

## **Sparx Systems Enterprise Architect Training for IATA Airline Industry Data Model (AIDM) for Data/XSD Modeler**

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Duration: 3 days Training in your premises

### **Target Audience**

This training will provide guidance and skills to companies involved in the development of Airline Industry Data Exchange standards, as well as organizations or individuals wanting to use the models in the AIDM for development of their IT systems.

### **Prerequisites**

Basic comprehension of software and system engineering modeling tools and their functionality as well as the fundamental knowledge concerning the concepts of UML and object-oriented programming techniques is highly recommended. For each participant his own PC with Installed Enterprise Architect software

### **Content**

- Technical Basics
  - Packages, Model vs Diagram, GUIDs, Baselines, Locking
- EA GUI
  - Project Browser, Menus, Toolboxes, Shortcuts, Finding elements, Customizability, etc
- Diagram Types
  - Process & Activity Diagram, Use Case Diag. & Scenarios
  - Usage & Artifacts as per UML
  - Classes, Attributes, Association types
- Diagramming Tools
  - Standard diagrams, Layered diagrams, List Views, Association visibility across diagrams, "Click through", Swimlanes, Diagram "Properties", Graphics (brush painter, alignment, etc.), Copy/Paste diagrams
- Relationship Matrix
- Traceability Window
- XML Schema & WSDL Models
- Import XSD files
- Using MDG (Model driven Generation)
  - XSD transform and generate
  - WSDL transform and generate
  - Schema Composer with UN/CEFACT schema set
  - Brief list of what other technologies EA can generate for
- Automated Development of Project Documentation
  - HTML pages
  - Word documents for model reviews
- XMI Export / Import
  - Possibilities and limits, Between EA Cloud and eap, with other vendors' tools
- Understanding & using Profiles
  - Principles: Toolbox, stereotypes, tagged values, etc.
  - ArchiMate profile brief overview
  - UN/CEFACT CC brief overview (focus on BIEs)