1-Day
Fundamentals of Supply Chain Information Systems

Description

This fast-paced survey course provides a basic understanding of supply chain applications software and how to plan for its rapid deployment. Case examples and discussion show how software can improve supply chain performance. You will also learn about key integration technologies and standards, and how to plan for systems integration with suppliers, customers, and carriers.

Essential learning for those who are new to supply chain software and systems integration.

Objectives

- To prepare for new supply chain software and systems integration.
- To learn from leading users of supply chain systems and software.
- To understand the role of technology and standards in trading partner integration.

Who Will Benefit

- Systems professionals supporting logistics & distribution
- Leaders of systems projects for ERP, WMS, TMS, APS, E-Commerce…
- Those seeking an update on supply chain systems & technologies

Timing

Duration:	1 day
(3-day version also available)	
Start:	8:00
AM Break:	10:30
Lunch:	12:00 – 1:00
PM Breaks:	2:15 & 3:45
Adjourn:	5:00

Course Outline

A. INTRODUCTION TO SUPPLY CHAIN SYSTEMS
- Overview of core information systems and their functions.
- Group exercise: Mapping material and information flows.

B. TRADING PARTNER INTEGRATION
- Why your systems must integrate with customers, suppliers, and carriers.
- Collaborative Planning, Forecasting & Replenishment (CPFR).
- Pipeline Inventory Tracking and Management.
- Pay on Consumption: E-Commerce & EDI.

C. SURVEY OF CORE SOFTWARE APPLICATIONS
- Customer Relationship Management (CRM).
- Warehouse Management Systems (WMS).
- Transportation Management Systems (TMS).

D. SURVEY OF CORE SOFTWARE APPLICATIONS
- Enterprise Resources Planning (ERP).
- Advanced Planning & Scheduling (APS).
- Supply Chain Execution Management (SCEM).

E. INTEGRATION TECHNOLOGIES & ARCHITECTURES
- Key technologies & standards.
- Typical approaches to systems integration.
- Messaging & interoperability tools.
- The importance of systems architecture.

F. HOW TO PLAN FOR SUPPLY CHAIN INFORMATION SYSTEMS
- Three examples of strategic systems plans.
- Four phases of systems & integration planning.
- Systematic planning procedures.
- Program & project management.