3-Day – Planning, Selecting & Implementing
Supply Chain Information Systems

Description

A step-by-step application of the MAXiT approach to supply chain systems integration. A carry-through case problem and teamwork assure your mastery of this powerful planning method. On Day One you will survey the full range of supply chain software applications, learning which ones could benefit your company the most. On Days Two and Three, you will learn popular methods of systems integration and prepare a supply chain systems plan.

Essential learning for those who are planning, selecting, or implementing supply chain information systems.

Objectives

- To improve cost, cycle time, and service with better information systems.
- To strengthen customer and supplier relationships with integrated systems.
- To organize and manage a successful supply chain integration program.

Who Will Benefit

- Leaders of systems projects in planning, and logistics.
- Systems professionals who support the supply chain.
- Sponsors, team members and managers of supply chain improvement projects.
- Managers looking for a better way to achieve supply chain integration and whose customers or suppliers expect a higher level of integration.

Timing

Duration: 3 days
(1-day version also available)

Start:	8:00
AM Break:	10:30
Lunch:	12:00 – 1:00
PM Breaks:	2:15 & 3:45
Adjourn Days 1 & 2:	5:00
Adjourn Day 3:	4:00

Course Outline

Day One – Learning About the Software

A. WELCOME AND INTRODUCTION
- Innovative practices and processes.
- Leading examples of supply chain integration.

B. CASE EXERCISE: MAPPING SUPPLY CHAIN SYSTEMS
- Mapping material and information flows.
- Identifying potential systems.

C. SOFTWARE FOR DEVELOPING AND SELLING PRODUCT
- Point of Sale (POS).
- Web Store Front.
- Sales Force Automation (SFA).
- Customer Relationship Management (CRM).
- Forecasting and Demand Management.
- Collaborative Planning, Forecasting, and Replenishment (CPFR).
- Product/Sales Configurator.
- Product Data Management (PDM).

D. SOFTWARE FOR DISTRIBUTING, PLANNING AND PRODUCING
- Warehouse Management System (WMS).
- Transportation Management System (TMS).
- Enterprise Resources Planning (ERP).
- Supply Chain Planning (SCP).
- Supply Chain Network Modeling and Design.
- Supply Chain Event Management (SCEM).
- Manufacturing Execution System (MES).

E. SOFTWARE FOR PROCUREMENT AND E-COMMERCE
- E-Procurement.
- Electronic Data Interchange & Electronic Commerce.
- Trading Exchange.

F. DISCUSSION EXERCISES: SUPPLY CHAIN SYSTEMS OPPORTUNITIES
- Mapping your supply chain objectives, processes, and systems.
- Identifying information systems opportunities.

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Course Outline continued

Day Two – How to Plan Processes, Systems, and Technologies

A. THE MAXiT APPROACH TO SUPPLY CHAIN SYSTEMS INTEGRATION
- Four phases of planning and integration.
- Three fundamentals of integration planning.
- Systematic planning procedures.

B. SETTING OBJECTIVES, ASSESSING NEEDS, AND CREATING A VISION
- Setting and weighting objectives.
- Assessing opportunities.
- Linking systems to strategy & process improvements.
- How to identify and agree on priorities.
- Defining the need for integration.
- The importance of fast-track improvements.

C. HOW TO DEFINE PROCESS AND SYSTEMS REQUIREMENTS
- Critical features and functions.
- Key sizing parameters.
- Alternative solutions.
- Technical choices and issues.
- Case exercise: Defining requirements.

D. INTEGRATION TECHNOLOGY, APPROACHES, AND ARCHITECTURES
- Key technologies and concepts.
- What is a systems architecture?
- Systems standards and development environment.
- Typical approaches to systems integration.
- Transaction planning and data management.
- Technical and risk management.

E. CASE EXERCISES: INTEGRATION PLANNING AND SYSTEMS ARCHITECTURE
- Identifying integration needs.
- Choosing a systems architecture.

F. CREATING A SUPPLY CHAIN SYSTEMS PLAN
- How to evaluate plans and technologies.
- Sequencing systems projects.
- Case exercise: Supply chain systems planning.

Day Three – Justification, Selection, and Implementation

A. JUSTIFICATION & MANAGEMENT APPROVAL
- Cost and benefit categories.
- Estimating project costs and benefits.
- Summarizing the program estimate.

B. SELECTING SUPPLY CHAIN SOFTWARE
- Potential goals of a software project.
- Typical approaches to software selection.
- Pros and cons of traditional package selection.
- The MAXiT Approach to software selection.
- MAXiT Quick Select and what makes it so quick.
- Pros and cons of RFIs and RFPs
- Scripted and managed demos.
- Twelve criteria for software vendor selection.
- Application of SLP to equipment layout.

C. CASE EXERCISE: SUPPLY CHAIN SOFTWARE SELECTION
- Application of the MAXiT Approach to a package selection problem.

D. PLANNING FOR A SUCCESSFUL IMPLEMENTATION
- How to create a sound implementation plan.
- Twelve critical success factors for implementation.
- Case exercise: Implementation planning.

E. MANAGING SUPPLY CHAIN INTEGRATION PROJECTS AND PROGRAMS
- Organizational and cultural change.
- Project and program management.
- Critical success factors.

NOTE ON DAY ONE SOFTWARE DISCUSSION

Day One includes a general survey of supply chain software. With advanced preparation, our instructor can substitute this generic material with a focused discussion of specific applications relevant to your situation.