

Module Ref
Module Title

SC02
Supply Chain Management
(Two day)

Course Introduction

To promote a more in depth understanding of the contribution of Supply Chain Management (SCM) to the achievement of organisational effectiveness and an awareness of current SCM best practice in oil and gas.

Course Objectives

Principles and Objectives of Supply Chain Management	This session will examine the basic objectives of SCM, in particular efficiency and responsiveness objectives.
Lean and Agile Supply Chain Strategies	Agile and Lean SCM strategies will be evaluated in the light of the oil and gas industry. The nature of Project Supply Chains in Oil and Gas will be examined.
Strategic Sourcing Analysis	This will examine the approach to segmenting the supply portfolio based on risk and value into: strategic, bottleneck, leverage and routine. Appropriate sourcing strategies for each segment will be explained.
The Red-Blue Management Game	This team-based game illustrates the concept of win-win in negotiation and customer-supplier relationships. The post-game evaluations analyses how win-win can be achieved.
Supply Chain Relationships	Obligational and Arms-length relationships will be contrasted. Approaches to partnership relationships will be examined including: long-term, risk-reward, objective alignment, technical/process innovation targets and role clarity.



Early Supplier Involvement (ESI) programmes and mechanisms

The benefits of Early Supplier Involvement, particularly within project-managed environments will be examined. The mechanisms for an ESI Programme will be explained.

Total Cost of Ownership (TCO) and Life Cycle

The rationale behind Life Cycle Costing will be explained. How to implement a TCO Programme and

Costing SC Design and Re- Engineering	disseminate these ideas within an organisation. Mapping approaches such as Industry Mapping, Provider Capability Mapping, Pipeline Mapping, Time-based Process Mapping and Value Stream Mapping are introduced as tools and their application for mapping and re-engineering the supply chain explained.
Strategic Lead Time Management	The benefits and approaches to Strategic Lead Time Management will be explained. Time compression approaches and the identification of non-value added time will be considered including the identification of 'pacing' items in a project environment.
SC Performance Measurement	Approaches to measuring SC Performance are introduced and evaluated, including Balanced Scorecard, SCOR Model and Gaps/False Alarms Analysis.
Review Course	Review and Action Plan

Learning Outcomes

On completion of this course candidates are expected to be able to:

1. Demonstrate a systematic knowledge and critical awareness of the concepts, principles and models related to Supply Chain Management.
2. Be aware of how to systematically examine the supply chain within organisations and measure performance improvement.
3. Be aware of how to use a range of advanced and specialised supply chain principles and techniques in order to be able to apply them to establish a supply chain improvement plan.

Who Should Attend?

Managers and staff who have an interaction with suppliers and management of the logistics of purchasing.

The Presenter

Dr Nisbet is a Senior Lecturer at Aberdeen Business School. He has an MSc in Logistics from Robert Gordon University and a PhD in Supply Chain Management from Cranfield University. He has experience of research, consultancy and training in the Oil and Gas Industry where he had a previous career as a Logistics Director of a major oil service company.

Certificates

Each delegate will receive a certificate of attendance on completion of the seminar.

Course Duration

2 days
9.30 am – 4.30pm each day