

# Supply Chain: An Introduction to Enterprise Planning

HIGHER NATIONAL DIPLOMA

## 物流企划概论


【英】苏格兰学历管理委员会 (SQA)

英文原版

Unit Student Guide

SUPPLY CHAIN



 中国时代经济出版社

  
SCOTTISH  
QUALIFICATIONS  
AUTHORITY



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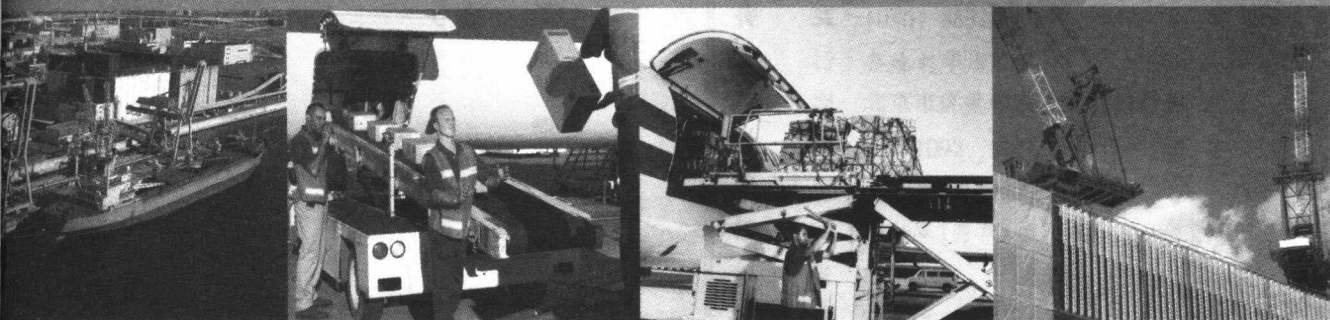
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物流企划概论

苏格兰学历管理委员会著

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# 1

## Introduction to the Scottish Qualifications Authority

This Unit, **Supply Chain: An Introduction to Enterprise Planning** has been devised and developed by the Scottish Qualifications Authority (SQA). Here is an explanation of the SQA and its work:

The SQA is the national body in Scotland responsible for the development, accreditation, assessment, and certification of qualifications other than degrees.

Its website can be viewed on: [www.sqa.org.uk](http://www.sqa.org.uk)

SQA's functions are to:

- devise, develop and validate qualifications, and keep them under review
- accredit qualifications
- approve education and training establishments as being suitable for entering people for these qualifications
- arrange for, assist in, and carry out, the assessment of people taking SQA qualifications

- quality assure education and training establishments which offer SQA qualifications
- issue certificates to candidates.

In order to pass SQA units, students must complete prescribed assessments. These assessments must meet certain standards.

The Unit Specification outlines the **four** Outcomes that students must complete in order to achieve this unit. The Specification also details the knowledge and/or skills required to achieve the outcome or outcomes. The Evidence Requirements prescribe the type, standard and amount of evidence required for each outcome or outcomes.

# 2

## Introduction to the Unit Student Guide

### 2.1

#### Introduction to the Unit

This unit has been developed to give you an introduction to Enterprise Resource Planning and is designed to give a flavour of the concept as a whole. All references to Enterprise Resource Planning and other planning systems are generic in nature and any references to proprietary systems will be for guidance only. The unit reviews the history and development of Management Planning Systems with particular reference to stock and inventory management and manufacturing planning.

This unit introduces you to the concept of Enterprise Planning as a fully integrated, organisation wide, harmonised planning and control system. You will understand that Enterprise Systems provide an 'Umbrella' approach to tie together the wide variety of specialised systems within an organisation delivering a complete solution to business-reporting on a local, national or global basis.

It is primarily intended for candidates who aspire to take up a management role in a supply chain environment with any manufacturing, service or logistics organisation. It is also appropriate for those involved in the various



functions associated with planning, procurement, distribution, marketing and finance.

Following on from this the unit considers the problem of a major system installation and the preparation that should be in place prior to proceeding.

## Outcomes

On completion of the unit you should be able to achieve:

- Outcome 1** To investigate the integrated systems aspects of Enterprise Planning information systems, identifying the co-ordination aspects of various organisation systems.
- Outcome 2** To understand that Enterprise Planning is a multi-phased discipline combining people, processes and technology in a collaborative and unified system spanning local, national & international information movements connecting organisation, customers and suppliers.
- Outcome 3** To prepare information flow diagrams illustrating business systems and the movement of data through the supply chain.

**Outcome 4** To identify the various business processes that will benefit from integration into an Enterprise Planning system and prepare a formal report indicating the advantages that an organisation should expect when adopting this approach.

## 2.2 Learning Material Required for this Unit

You will be expected to have access to at least one management planning system and be given the opportunity to discuss the installation and operation of such a system with the users. There is an emphasis on reading papers and reviews of various systems and, while a number of such reports are included in these notes, it is essential that you have access to the internet in order to review the latest thinking on the subject.

## 2.3 Using the Learning Resource Pack

The Learning Resource Pack is designed to lead you through a series of learning activities that will allow you to consolidate your understanding on the topic areas included in the pack **Enterprise Resource Planning Systems**.

The Learning Materials (Section 3) are designed to lead you through a series of activities that will allow you to consolidate your learning and check on your own progress.

It is likely that you will need to spend around 30 hours working your way through the learning materials in this Student Guide, 10 hours researching and investigation relevant to your Assessment and a further 4 hours preparing the assessment for submission.

You are encouraged to contribute fully from your own knowledge and experience. The activities are intended to focus ideas on your own workplace and local industry. When participating in a group activity you should give full and free rein to your imagination concerning different types of supply chain. Knowledge of the operating environment of the company you work for, or a business you have some experience of, will be useful when participating in some of the activities and discussions.

As you work through the Pack you will encounter the following symbol which indicates that you should carry out an Activity.

### Activity



Usually, activities are used to improve or consolidate your understanding of the subject in general or a particular feature of it. Where suggested responses to activities are provided in the Learning Resource Pack, **students are strongly discouraged from looking at these before attempting the activity.** The activities

throughout the Learning Resource Pack will help you to prepare yourself for the formal assessments, and to identify topic areas in which you will require clarification. The activities will not serve this purpose if you look at the answers before trying the activity!

## 2.4

What Do I  
Have to Do to  
Achieve this  
Unit?

Review of the contents of these notes and completing the Activities in a satisfactory manner will greatly assist you in preparing for the final assessment. Completion of the final assessment outcomes in a full and satisfactory manner is mandatory for awarding of the credit for this unit.

## Assessment

The assessment for this unit will be a fully integrative 3500–4000 word open book report that will also include appropriate diagrams, plus the flow diagram (s) in Outcome 3, and will cover all four learning outcomes. It will also include the description of the flow diagram (s) in Outcome 3 and the conclusions of the integrated formal report.

Where possible the report should be based on your own organisation, or one you have knowledge of, but where this is not possible the Centre will supply suitable case study material.

The assessment will ensure that you will be able to understand the generic concepts of how the system operates and is managed to ensure value for both the customer and the organisation. It will further ensure that you will be able to determine, critically review and recommend system integration thereby identifying the benefits for an organization at all levels from local to global operations.

In addition to the integrative report you will be assessed by a 15 to 20 minute presentation to their fellow candidates and course tutors. Time will be allowed for questioning. The presentation may be videoed.

The assessment will demonstrate that you are able to achieve all four learning outcomes.

## **Outcome 1**

Investigate the integrated systems aspects of Enterprise Planning information systems, identifying the co-ordination aspects of various organisation systems.

Using a suitable organisation, preferably your own organisation, identify and investigate all of the systems and sub-systems used to process information. Report on the sources of information, the method by which the information enters the organisations database, the users of the information and the ultimate output from

the system generated by the information.

### **Knowledge and Skills**

- Definition, structures and purpose of an organisation information system.
- Flow and usage of information within an organisation, locally, nationally and globally.

### **Evidence Requirements**

You will need evidence to demonstrate your knowledge and/or skills by showing that you can:

- identify all of the systems and sub-systems used to:
  - process information
  - planning systems
  - data entry systems
  - spreadsheets
  - accounting systems
  - shipping and despatch systems
- describe the information handling aspects of the organisation's database:
  - sales data input
  - information processing
  - financial data input
  - output from the system generated by the information



- planning data input

## **Outcome 2**

Understand that Enterprise Planning is a multi-phased discipline combining people, processes and technology in a collaborative and unified system spanning local, national & international information movements connecting organisation, customers and suppliers.

### **Knowledge and Skills**

- Usage of information within an organisation
- Sources and causes of data errors
- Effects of inaccurate information.

### **Evidence Requirements**

You will need evidence to demonstrate your knowledge and/or skills by showing that you can:

- Trace the flow of information into, through and out of the system
  - information from customers
  - information from suppliers

- information relevant to the organisations processes
- Trace and identify the source of erroneous data
  - stock record errors
  - sales order entry errors
  - order delivery promising errors
- Demonstrate the effect on the system of erroneous data
  - stock record errors
  - sales order entry errors
  - order delivery promising errors

### **Outcome 3**

Prepare a detailed flow diagram, or set of interlinked diagrams, showing the flow of information through the enterprise from customers and suppliers. Indicate on the diagram the various items of information generated by departments within the organisation and where this information is used.

## **Knowledge and Skills**

- Structure of a organisation information system
  - flow and usage of information within an organisation, locally, nationally and globally.
  - the relationship between customers, the organisation and suppliers.
  - use of standard flow diagrams to illustrate information flow.

## **Evidence Requirements**

You will need evidence to demonstrate your knowledge and/or skills by showing that you can:

- Prepare at least one flow diagram illustrating the movement and use of information through an enterprise organisation
  - sales order processing
  - stock management systems
  - purchase order processing
  - customer invoice processing
  - production planning systems