

## **LESSON 1 ASSIGNMENT SHEET**

Subcourse LM 0074

MATERIEL READINESS, PART I

Lesson 1

This lesson contains one unit of instruction, as follows:

Overview of Major Item Management

Credit Hours

23

Study Assignment

(See individual unit assignment sheets)

Learning Outcomes Desired

(See individual unit assignment sheets)

### **LESSON INTRODUCTION**

This lesson will assist you in gaining an appreciation of the functions of major item management. Provides an understanding of the various processes, databases, and procedures involved in managing major items.

## UNIT ASSIGNMENT SHEET

### LESSON 1, UOI 1

Subcourse LM 0074	MATERIEL READINESS, PART I
UOI 1	Overview of Major Item Management
Suggested Study Time	23 hours
Study Assignment	ALM-41-4301-C
Learning Outcomes Desired	<p>At the conclusion of this lesson, you should:</p> <ol style="list-style-type: none"><li>a. Know how an item is selected for major item management.</li><li>b. Understand the relationship of major item management to the Army's overall inventory management system.</li><li>c. Understand the various codes assigned to major items and their impacts on management decisions.</li><li>d. Understand the utilization of national stock numbers, line item numbers, and standard study numbers in the management of major items.</li><li>e. Know the function of the major item management system and who is responsible for these functions.</li><li>f. Know the relationships and impacts of the DoD planning, programming, and budgeting processes on major item management.</li><li>g. Be familiar with the Structure and Composition System (SACS) and its application in major item management.</li><li>h. Be better prepared to review extracted requirements from the SACS process and recommend changes as appropriate.</li><li>i. Utilize SACS data to more effectively review and implement major item distribution programs.</li><li>j. Understand the concepts and procedures for interchanging procurement appropriation major item data between Major Subordinate Commands (MSC's).</li><li>k. Understand the difference between component major items and associated support items of equipment.</li></ol>

- l. Know the definition, composition, and purpose of the AAO.
- m. Identify the individual elements of the AAO.
- n. Know the definition, composition, and purpose of distribution requirements.
- o. Understand how the Total Army Equipment Distribution Program, Requisition Validation System, Equipment Release Priority System, and Major Item Requisition Validation (MIRV) System are developed and utilized in the distribution of major items.
- p. Know the definition and purposes of depot maintenance requirements.
- q. Understand how products from both the AAO and distribution planning processes are utilized in major item depot level maintenance planning.

## **UOI INTRODUCTION**

This unit addresses the various codes and numbers assigned to major items that allow supply and logistics personnel throughout the Army to manage them. The unit also identifies the methodology for selecting major items for intensive centralized management and how these items must be managed in comparison to secondary items. This unit also covers the major functions of the major item management system, the responsibilities for each of these functions, and also illustrates the flow of data during the planning, programming, and budgeting process. This unit will provide you with a knowledge of how the organizational Unit Identification Codes (UIC's), allowance documents, and force structures are used to provide the Army with its initial issue quantities for major items. This unit also covers the data interchange process between two or more MSC's and/or Research Development Commands (RDC's) responsible for the development of new systems and discusses determination of requirements, planning, programming, and budgeting for new items and/or systems. This unit covers the Army procurement requirement process for major items, to include the definition of the AAO and its components. It also discusses the elements of the AAO, to include initial issue quantity, maintenance floats, special contingency, Army reserve operational projects, and post D-day consumption and covers the development and processing of the AMP is a supporting document for the Army budget. This unit covers the distribution requirements process for major items, to include the definition of distribution requirements and its components and the Army's major item priority system. It discusses the elements of distribution requirements, to include initial issue quantities, maintenance floats, operational projects, and war reserves. It covers the development, processing, and use of the Total Army Equipment Distribution Program, Requisition Validation System, Equipment Release Priority System, and MIRV System. This unit will also give you a knowledge of the definition of depot level maintenance requirements, DCSLOG's policy and guidance, relationship to the distribution requirements determination and planning processes, determination of depot level maintenance requirements, and development and use of depot maintenance programs.

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## LESSON 2 ASSIGNMENT SHEET

Subcourse LM 0074

MATERIEL READINESS, PART I

Lesson 2

This lesson contains four units of instruction as follows:

1. Wholesale Inventory Management of Secondary Items.
2. Introduction to Wholesale Requirements Determination.
3. Statistical Forecasting
4. Economic Order Quantity/Variable Safety Level

Credit Hours

20

Study Assignment

(See individual unit assignment sheets.)

Learning Outcomes Desired

(See individual unit assignment sheets.)

### LESSON INTRODUCTION

This lesson addresses secondary item management. It concerns policy and some of the techniques used to manage secondary items at the wholesale level

## UNIT ASSIGNMENT SHEET

### LESSON 2, UOI 2

Subcourse LM 0074	MATERIEL READINESS, PART I
UOI 2	Wholesale Inventory Management of Secondary Items
Suggested Study Time	4 hours
Study Assignment	ALM-41-5611-C
Learning Outcomes Desired	At the conclusion of this lesson, you should:  a. Know the composition, purpose, and function of inventories in DOD.  b. Understand wholesale stockage policy and what is used to determine the quantity of an item to be on hand or on order.  c. Understand the term selective item management, criteria used in selective item management, and why an item grouping would be upgraded/downgraded by an ICP.  d. Know how to determine when a buy is required and how much to buy.

### UOI INTRODUCTION

This unit will acquaint you with inventory policies and how such policies and concepts are implemented by DOD.

## UNIT ASSIGNMENT SHEET

### LESSON 2, UOI 3

Subcourse LM 0074	MATERIEL READINESS, PART I
UOI 3	Introduction to Wholesale Requirements Determination
Suggested Study Time	6 hours
Study Assignment	ALM-41-5503-C
Learning Outcomes Desired	<p>At the conclusion of this lesson, you should:</p> <ol style="list-style-type: none"><li>Be able to compute a Forecasted Average Monthly Demand (FAMD) given the historical average monthly demand and a Program Change Factor (PCF).</li><li>Know the definition of acquisition leadtime and how to compute the acquisition leadtime requirement given the administrative leadtime, production leadtime, and forecasted average monthly demand.</li><li>Know the definition of Economic Order Quantity (EOQ) cycle time and what EOQ cycle requirement is based on.</li><li>Know what basic decisions are made using the action points.</li><li>Know how to compute net forecasted average monthly demand given the forecasted average monthly demand, forecasted monthly unserviceable returns, condemnation rate, and washout rate.</li><li>Know the definition of repair cycle requirement and how it is computed given the repair admin time, repair leadtime, and net forecasted unserviceable returns.</li><li>Know what programmed requirements are used for and how they are computed given a major item repair schedule, secondary item replacement rate, and the forecast period.</li></ol>

### UOI INTRODUCTION

This unit will cover the wholesale requirements determination process to include analysis of management data, requirements computation, computation of assets, and development of procurement work directives.

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## UNIT ASSIGNMENT SHEET

### LESSON 2, UOI 4

Subcourse LM 0074	MATERIEL READINESS, PART I
UOI 4	Statistical Forecasting
Suggested Study Time	4 hours
Study Assignment	ALM-41-5485-C
Learning Outcomes Desired	At the conclusion of this lesson, you should:  a. Understand and be able to determine the three measures of central tendency: mean, median, and mode.  b. Understand and be able to apply two rounding techniques: conventional and always round up.  c. Be able to compute a moving average.

### UOI INTRODUCTION

This unit provides necessary background material to assist in later mathematical computations in requirements determination.

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## **UNIT ASSIGNMENT SHEET**

### **LESSON 2, UOI 5**

Subcourse LM 0074	MATERIEL READINESS, PART I
UOI 5	Economic Order Quantity/Variable Safety Level
Suggested Study Time	6 hours
Study Assignment	ALM-41-5484-C
Learning Outcomes Desired	At the conclusion of this lesson, you should: <ol style="list-style-type: none"><li>Be able to discuss the concepts of Economic Inventory Policy (EIP).</li><li>Know the objective of the Economic Order Quantity (EOQ).</li><li>Be able to compute Economic Order Quantity (EOQ).</li><li>Know the purpose of a Variable Safety Level (VSL).</li></ol>

### **UOI INTRODUCTION**

This unit will provide the basis for DOD economic inventory policy, background, purpose, methodology, application, and interface with other aspects of wholesale requirements determination and secondary item stockage policies.

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### **LESSON 3 ASSIGNMENT SHEET**

Subcourse LM 0074

MATERIEL READINESS, PART I

Lesson 3

This lesson contains two units of instruction as follows:

1. Executive Environmental Brief.
2. Orientation to the Defense Personal Property Reutilization and Marketing Program

Credit Hours

6

Study Assignment

(See individual unit assignment sheets.)

(See individual unit assignment sheets.)

#### **LESSON INTRODUCTION**

This lesson combines material on the environmental and disposal operations. Because of its increasing importance and impact on decisions, environmental overview training has been directed by higher headquarters. Although disposal is the last step in the life cycle of DOD inventory items, the item manager may employ the reutilization program run by the Defense Reutilization and Marketing Service as the “first source of supply.”

## UNIT ASSIGNMENT SHEET

### LESSON 3, UOI 6

Subcourse LM 0074	MATERIEL READINESS, PART I
UOI 6	Executive Environmental Brief
Suggested Study Time	2 hours
Study Assignment	ALM-49-5138-C
Learning Outcomes Desired	<p>At the conclusion of this lesson, you should:</p> <ol style="list-style-type: none"><li>Be able to comply with the policies of the Army Environmental Program in your planning and decisionmaking process.</li><li>Be able to recognize when ongoing or proposed logistics actions may not be in compliance with environmental laws, regulations, and policies.</li><li>Be able to comply with analytical and recordkeeping environmental documentation requirements under the National Environmental Policy Act.</li><li>Be able to comply with overall management requirements for storage, transportation, packaging, labeling, and disposal of hazardous materials and wastes in the logistics system.</li><li>Be able to identify at least one environmental problem associated with each of the following logistics activities: supply, transportation, maintenance, test and evaluation, and installation operations.</li></ol>

## UNIT ASSIGNMENT SHEET

### LESSON 3, UOI 7

Subcourse LM 0074	MATERIEL READINESS, PART I
UOI 7	Orientation to the Defense Personal Property Reutilization and Marketing Program
Suggested Study Time	4 hours
Study Assignment	ALM-44-0689-WB
Learning Outcomes Desired	<p>At the conclusion of this lesson, you should:</p> <ul style="list-style-type: none"><li>a. Be able to coordinate with the appropriate reutilization and marketing organization when disposing of excess personal property.</li><li>b. Be able to screen and obtain assets from DRMS activities to satisfy valid DOD requirements.</li><li>c. Be able to effectively participate in the DLA Hazardous Property and Precious Metals Recovery Programs in compliance with current directives requiring mandatory participation.</li><li>d. Be able to participate at your level in the DOD Demilitarization Program.</li></ul>

### UOI INTRODUCTION

Today you will start the material reutilization and marketing management phase of the life cycle. Normally, we think of this phase as being the end of the line for supplies, since they are either excess, obsolete, or uneconomically repairable when turned in to your local Defense Reutilization and Marketing Office (DRMO). This is not always the case. The program received over \$17 billion (acquisition costs) in inventory during FY00 through reutilization, donation, and sales. At the completion of this block of instruction, you should realize that the reutilization and marketing program can be and frequently is the beginning of a recycling system and a valuable source of supply for the DOD logistician.

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