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REQUIREMENTS PROCESS TO DIRECTORATE OF LOGISTICS
MANAGEMENT SYSTEM REQUIREMENTS(U) BATTELLE COLUMBUS
LABS OH C O COOGAN 28 MAY 82 F33600-81-C-0613

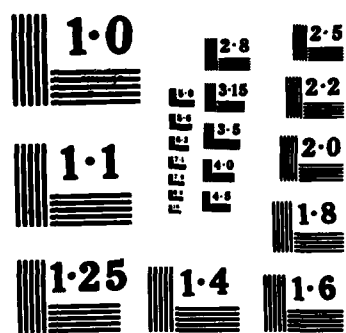
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INVENTORY

Requirements Process

Final, 28 May 82

DOCUMENT IDENTIFICATION

Contract F33600-81-C-0613

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REQUIREMENTS PROCESS

to

DIRECTORATE OF LOGISTICS MANAGEMENT
SYSTEM REQUIREMENTS (XRB)
DCS/PLANS AND PROGRAMS
AIR FORCE LOGISTICS COMMAND
WRIGHT-PATTERSON AFB, OHIO 45433

May 28, 1982

by

J. O. Coogan

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FINAL REPORT

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BATTELLE
Columbus Laboratories
505 King Avenue
Columbus, Ohio 43201

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

1a. REPORT SECURITY CLASSIFICATION UNCLASSIFIED		1b. RESTRICTIVE MARKINGS N/A	
2a. SECURITY CLASSIFICATION AUTHORITY N/A		3. DISTRIBUTION/AVAILABILITY OF REPORT APPROVED FOR PUBLIC RELEASE	
2b. DECLASSIFICATION/DOWNGRADING SCHEDULE N/A			
4. PERFORMING ORGANIZATION REPORT NUMBER(S) N/A		5. MONITORING ORGANIZATION REPORT NUMBER(S) N/A	
6a. NAME OF PERFORMING ORGANIZATION BATTELLE LABORATORIES		6b. OFFICE SYMBOL (If applicable)	
7a. NAME OF MONITORING ORGANIZATION HQ AFLC/XRQ		7b. ADDRESS (City, State and ZIP Code) WPAFB, OHIO 45433	
8a. NAME OF FUNDING/SPONSORING ORGANIZATION		8b. OFFICE SYMBOL (If applicable)	
9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER F33600-81-C-0613		10. SOURCE OF FUNDING NOS.	
11. TITLE (Include Security Classification) REQUIREMENTS PROCESS		PROGRAM ELEMENT NO.	
12. PERSONAL AUTHOR(S) C. O. Coogan		PROJECT NO.	
13a. TYPE OF REPORT FINAL		TASK NO.	
13b. TIME COVERED FROM _____ TO _____		WORK UNIT NO.	
14. DATE OF REPORT (Yr., Mo., Day) 1982, May 28		15. PAGE COUNT 51	
16. SUPPLEMENTARY NOTATION N/A			
17. COSATI CODES		18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)	
FIELD	GROUP	SUB. GR.	
15	05	Recoverable Item Requirements Planning Model	
19. ABSTRACT (Continue on reverse if necessary and identify by block number) This document provides a description of the Requirements Process as it pertains to recoverable items. The description is in terms of what must be done to effectively determine future requirements based on current and historical data. The necessary inputs and outputs are described as a means of defining the interfaces between this process and other processes. The details of how requirements are computed are intentionally excluded because of the many options for accomplishing the function.			
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT UNCLASSIFIED/UNLIMITED ☒ SAME AS RPT. ☐ DTIC USERS ☐		21. ABSTRACT SECURITY CLASSIFICATION UNCLASSIFIED	
22a. NAME OF RESPONSIBLE INDIVIDUAL GUST PAPALIOS		22b. TELEPHONE NUMBER (Include Area Code) 513 257-4147	
		22c. OFFICE SYMBOL HQ AFLC/XRQC	

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FINAL REPORT
on
REQUIREMENTS PROCESS
to
DIRECTORATE OF LOGISTICS MANAGEMENT
SYSTEM REQUIREMENTS (XRB)
from
BATTELLE
Columbus Laboratories

May 28, 1982

INTRODUCTION

This document provides a description of the Requirements Process as it pertains to recoverable items. The description is in terms of what must be done to effectively determine future requirements based on current and historical data. The necessary inputs and outputs are described as a means of defining the interfaces between this LAG and other LAGs. The details of how requirements are computed are intentionally excluded from this LAG description because there are many options for accomplishing the same function, and the LAG definition should be sufficiently robust to encompass all or most of those options. There are, however, basic functions that must be accomplished for all options. It is the intent of this description to address these basic functions.

This LAG description is in five parts as follows:

1. Purpose - A brief statement of purpose for the Recoverable Item LAG
2. System Description - A definition of the scope and functions of the Recoverable Item LAG
3. System Characteristics - A definition of the characteristics of this LAG that differentiate it from other LAGs.
4. System Interfaces - A definition of the inputs and outputs of the system at the critical interfaces
5. A set of data sheets for input to FCMS.

The effective use of this LAG as a management tool for LMS system evaluation requires that the interfaces be carefully defined and controlled using effective interface control methods. The details interior to the LAG should be provided wide latitude for change unless the interface criteria are breached. In those cases, the interface should be redefined and then controlled in the new configuration.

PURPOSE

The purpose of the Recoverable Item LAG is to provide a means of determining future requirements for recoverable items that meet the future needs of operational commands. An ancillary purpose is to provide an effective means of forecasting the materiel requirements of alternative force structure or operational scenarios under a variety of budget options. The output products must be rational, defensible statements of requirements that are time-phased to meet fiscal and operational needs.

SYSTEM DESCRIPTION

General

The Recoverable Item requirements process involves the use of approved weapon system utilization data developed by the Air Staff, end-item-peculiar historical data, and industry capacity information to define the time-phased requirements for each of the AFLC-managed recoverable items. The process requires the consideration of many historical data elements, some of which are outside the direct control of AFLC and depend upon worldwide systems for input. Virtually all levels of AFLC are involved in either input of data on evaluation of the results of computation.

Figure 1 provides a generalized description of the key elements of the Recoverable Item process and some of the interrelationships between the functions. An important note is that the scope of the requirements process as depicted in Figure 1 does not include the activities associated with deciding to buy, nor the evaluation of impacts of not buying a given requirement.

Functions of the System

In this section the major functions of Recoverable Item requirements determination are discussed. Figure 1 provides an overview of the major functions and could serve as a top level diagram of the Recoverable Item LAG. At this level of detail, the major inputs and outputs are defined. In order to differentiate between methods of accomplishing the function, a much greater amount of detail is required. In support of that objective, each of the major functions have been decomposed one level of detail. These are presented in Figures 2 through 6.

In order to determine the need to acquire recoverable items, there are five basic functions that must be performed regardless of how they are performed. The basic functions are:

1. Determine Future Usage. There must be a determination of how and how frequently the systems that contain the recoverable items will be used. This may be determined from formal planning documents such as published by the

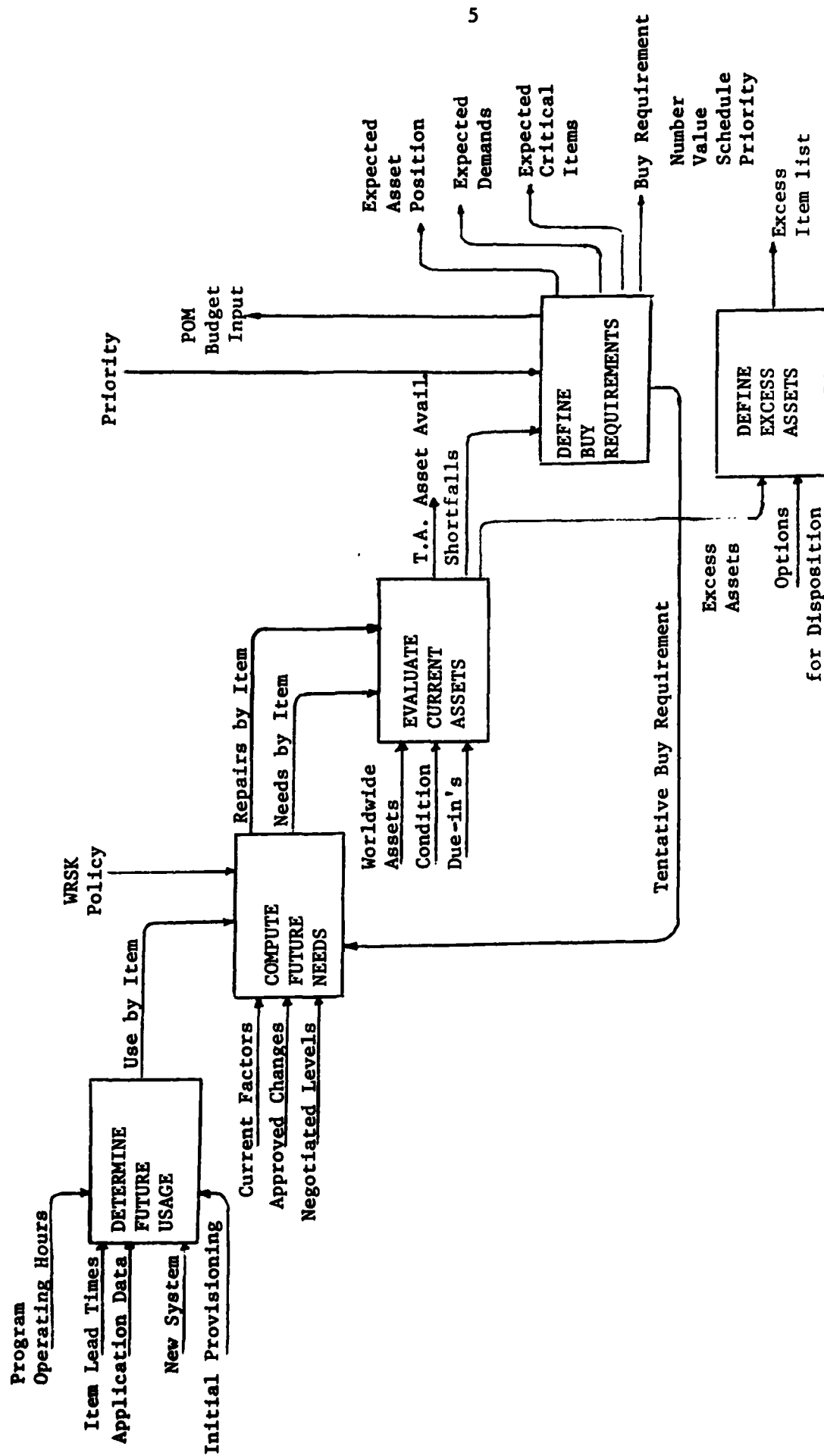


FIGURE 1. RECOVERABLE ITEMS REQUIREMENTS: LAG 14

Air Staff or could result from "What if" questions by senior AFLC staff members. In order to compute a defensible buy quantity, the source must be formal, approved documents such as the PD. The determination of future usage must include a definition of the items that make up a system and a definition of new systems and their recoverable components. The period of interest for future usage is the lead time for the items in the case of a buy computation and lead-time-plus-budget cycle for budgetary computation.

The major output of this function is use-by-item for all items based on the system use input. (See Figure 2 for details.)

2. Compute Future Needs. This function uses end item use and current factors (such as maintenance factor, base repair cycle time, depot repair cycle time, order and shipping time, not-reparable-this-station rates, condemnation rates, negotiated levels, safety level factors, and modification information) to compute the number of assets necessary to fill the requirement. This computation can be done independently of the current asset position if the output is considered a raw need. Instances of repair can also be computed in this function and, in fact, are a byproduct of the asset requirement computation. The actual method of computation is optional and could be different for buy computations and budget computations. The input data are the same regardless of the method of computation. Correctness of these inputs is a key determinant in the accuracy of the computation. Therefore, there must be an effective means of updating these inputs and carefully controlling the input values to preserve the credibility of the output. (See Figure 3 for details.)

3. Evaluate Current Assets. This function involves establishing a current assessment of the worldwide asset position for each recoverable item. The primary ingredients are the status of on-hand assets at each of the bases, the depots and in-transit, due-in assets from maintenance and as a result of previous buys, and the status of modification programs which produce assets of a new configuration while consuming the assets of a prior configuration. Modification programs frequently require turnaround assets which must be included in the overall asset assessment. The output is a current picture of the worldwide asset position for use in comparison to future needs. (See Figure 4 for details.)

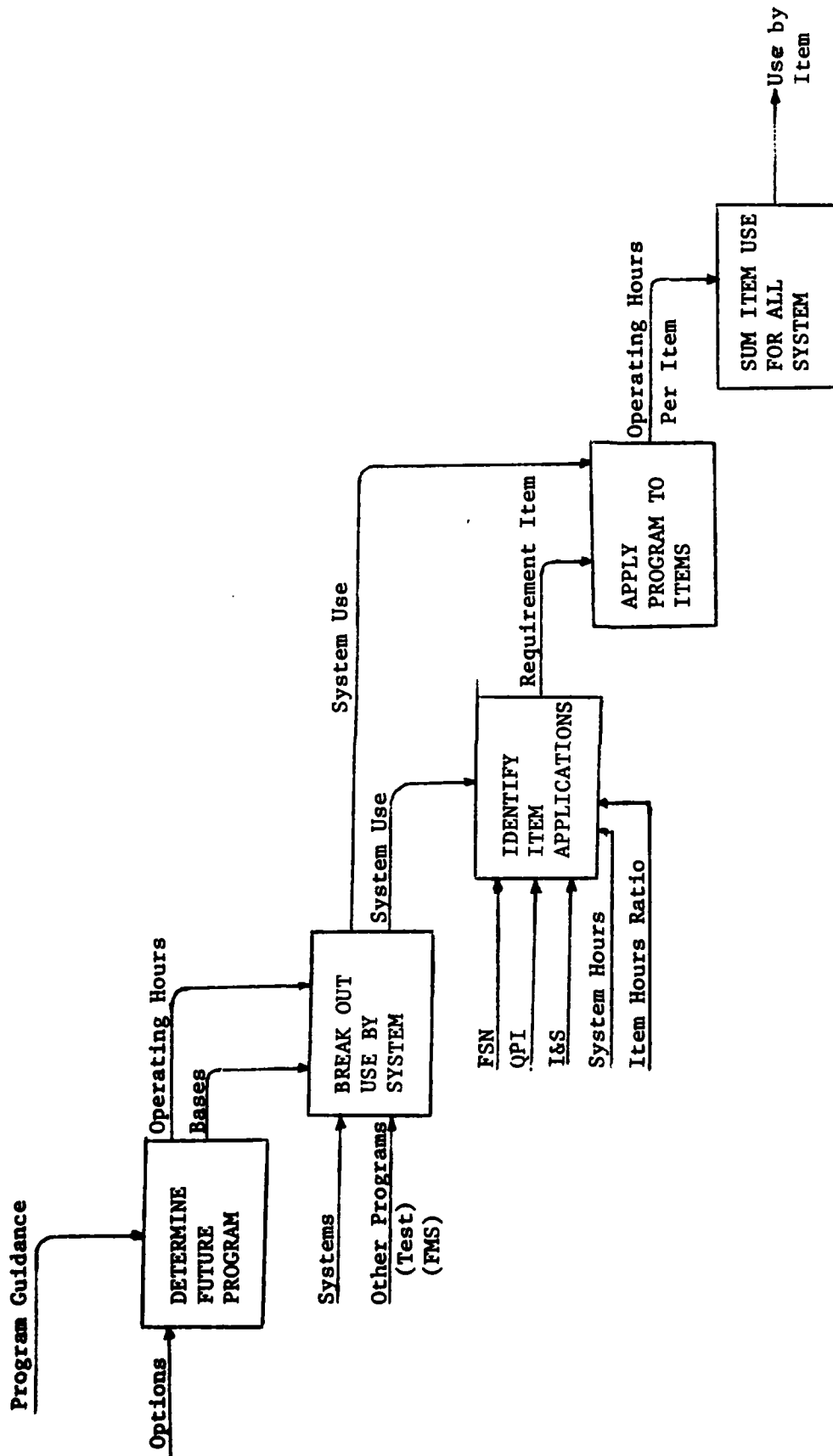


FIGURE 2. DETERMINE FUTURE USAGE

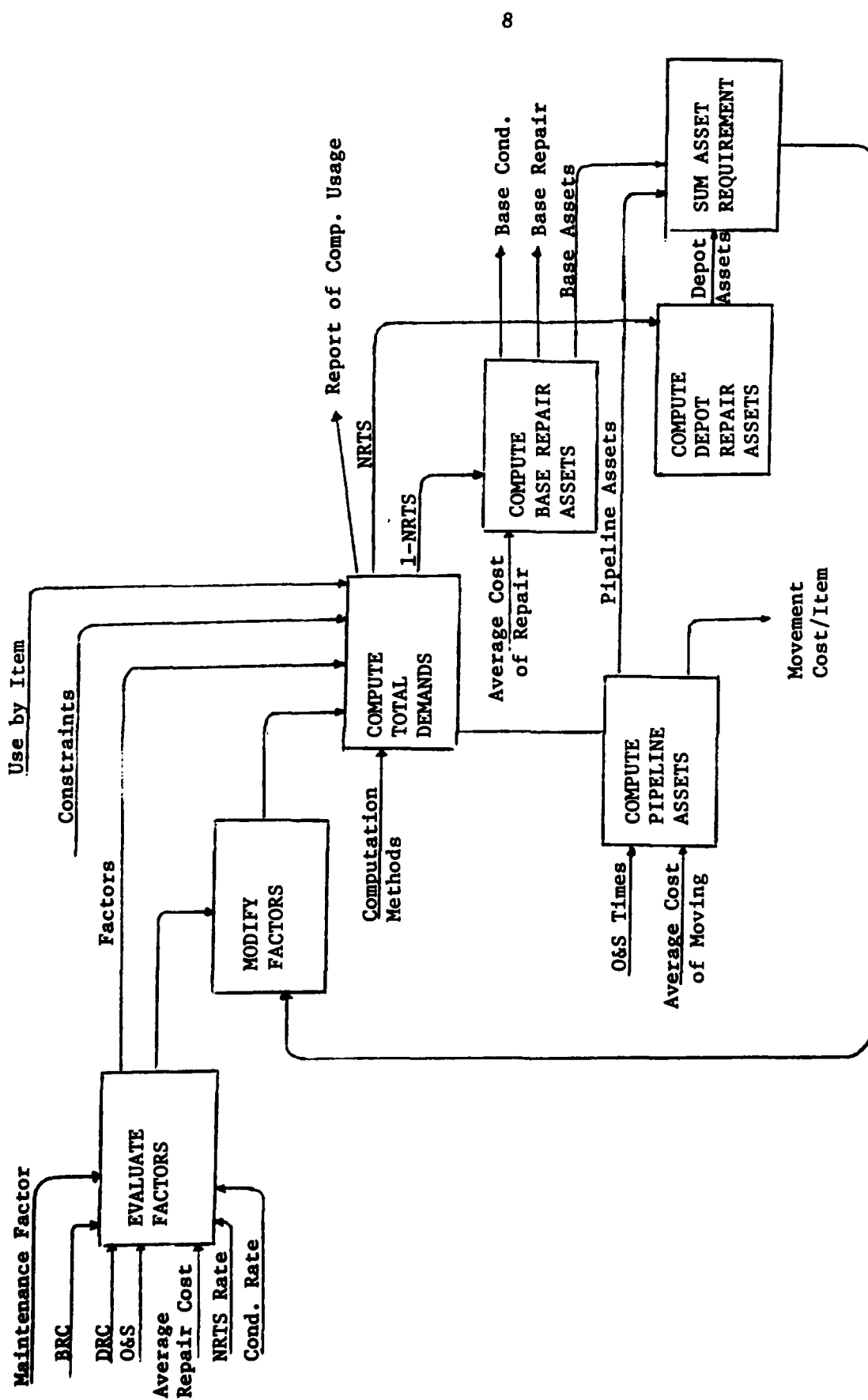


FIGURE 3. COMPUTE FUTURE NEEDS

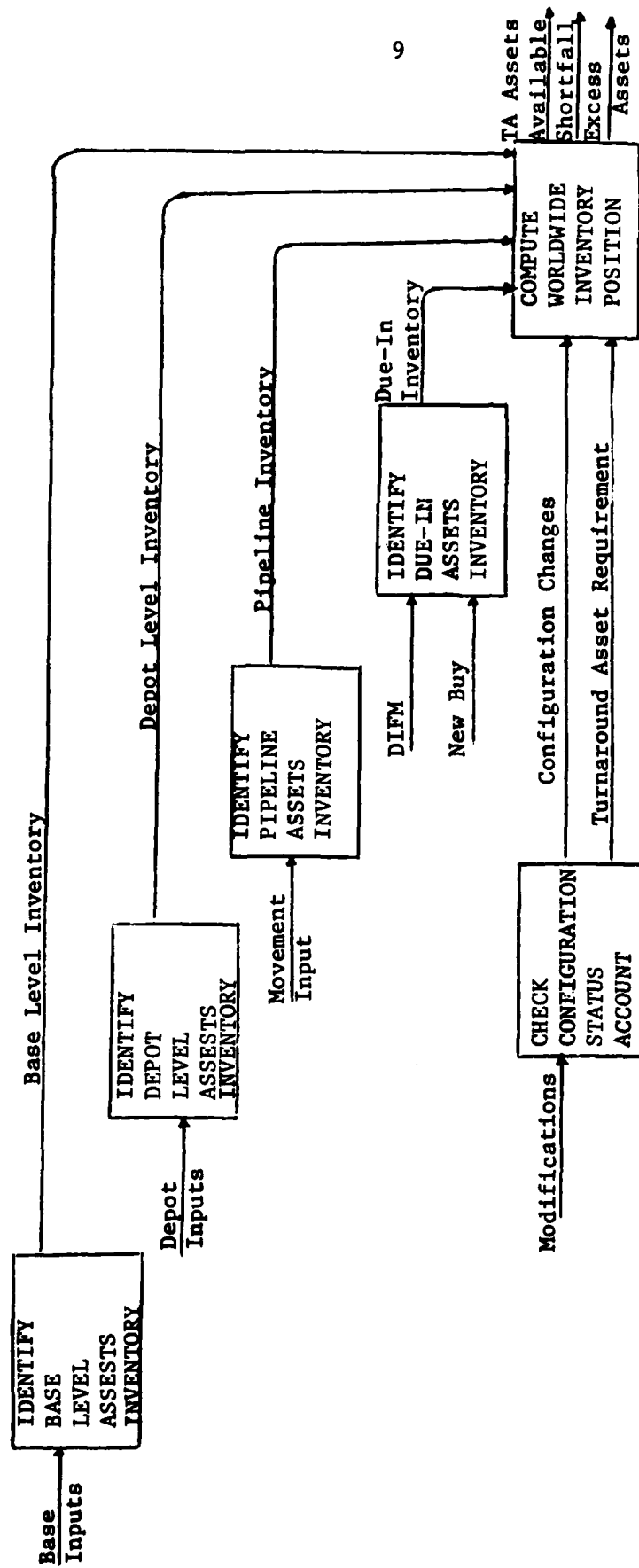


FIGURE 4. EVALUATE CURRENT ASSETS

4. Define Buy Requirements. Given a future need by end item by quarter and an asset position, it is possible to compute the shortfall by quarter and therefore the need to buy by quarter. The assets must be procured lead time away from actual need. Therefore, it is necessary to define the buy requirements at need date minus administrative and production lead time. The requirement, as output from this function, should be in terms of numbers of each item, delivery schedule, value, and priority. Since there are not always sufficient funds available to procure all required items, the priority and funding constraints must be input to this function as well as the cost of each item. (See Figure 5 for details.)

5. Define Excesses. In the process of determining shortfalls, some cases of excess will be identified. After verification of the factors used in computation, the excess assets must be identified to management for possible disposal. In a future system it may be possible to use excess assets as a resource to modify factors for shortfall items. For example, excess F-4 radar units might be used to realign the depot repair cycle at Warner Robins ALC so that priority is given to F-15 radar repairs, thus shortening F-15 radar depot repair cycle and increasing F-4 depot repair cycle times. In such a case the excess assets would be used as a pool to enable factor adjustments by the Equipment Specialists. (See Figure 6 for details.)

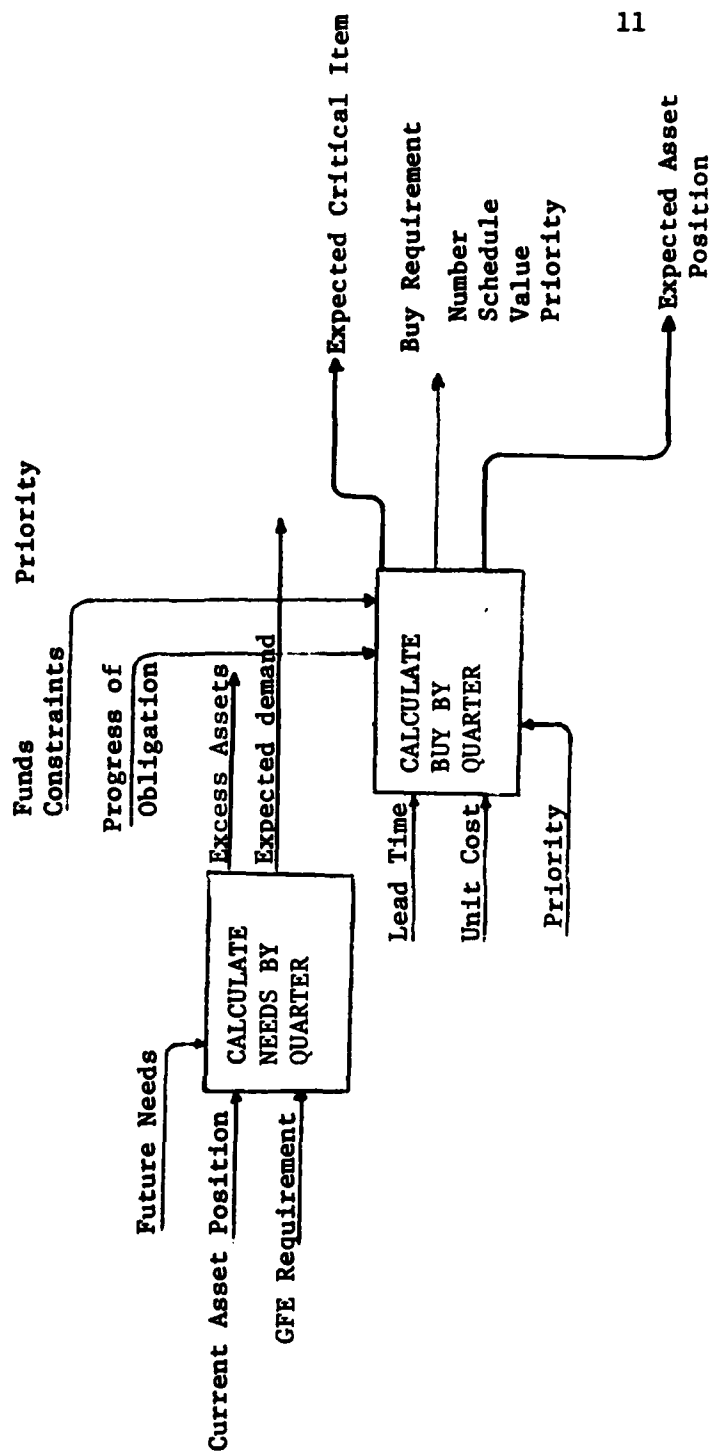


FIGURE 5. DEFINE BUY REQUIREMENT

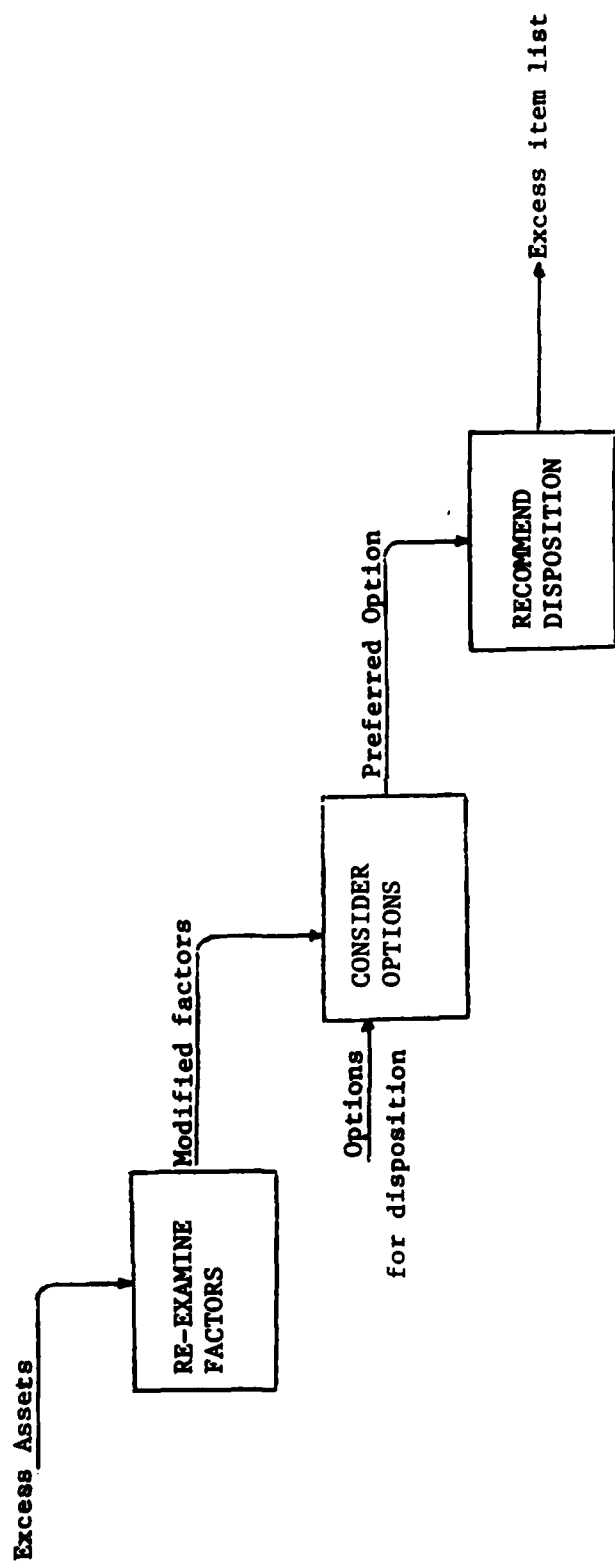


FIGURE 6. EXCESS ASSET DISPOSITION

SYSTEM CHARACTERISTICS

The Recoverable Item Requirements LAG represents one of the most critical aspects of AFLC's business. Because of the relatively high cost of recoverable items, the extended value of the recoverable item inventory exceeds the value of all other inventories except aircraft systems. Recoverable items also represent the major element of AFLC annual budget. Of the 12 to 15 billion dollar annual budget for AFLC, approximately one half is applied to the procurement or repair of recoverable items.

Each of the five Air Logistics Centers (ALCs) is involved in determining the basic requirement for recoverable items under an arrangement where item management for each item is assigned to an ALC. Headquarters AFLC is directly involved in the process from the standpoint of establishing policies, computational methods, and resolving fiscal shortages.

The Recoverable Item Requirements Process is not a single-pass system. Even if all input data were perfectly accurate, the reality that sufficient funds are seldom available to buy all requirements dictates recomputations.

Dependency on outside agencies for input data, such as failure rates and base repair cycle times, requires extensive interaction between AFLC and other agencies in the course of validating inputs. Contingency plans and the need to support higher levels of command in the Air Force with logistics planning data causes elements of the Recoverable Item process to be exercised, at least in part, for more than buy determinations.

Support for Foreign Military Sales (FMS) customers present special problems to the Recoverable Item Requirements Process. Legal prohibitions against buying in anticipation of a sale, combined with agreements to support FMS customers from jointly-owned or Air Force assets, causes the need for a flexible method of requirements computation that can adjust to rapidly changing political conditions.

Introduction of concepts such as Variable Safety Level, Missionization of Aircraft, and Mod Metric causes the need to accomplish requirements computations for groups of items under a variety of constraints and to meet a variety of output conditions. In some cases there is a need to exercise parts of the requirements process to determine the impact of implementing a contingency option given the existing set of resources.

SYSTEM INTERFACES

In this section the key interfaces of the Recoverable Item LAG are defined in terms of the inputs and outputs. For the purpose of this draft, the interfaces were kept relatively simple and stated in terms of the processes rather than each of the other LAGs. Ideally, the interface with each other LAG would be defined in this manner. Control of the LAG could then be exercised by control of the interface in a true systems engineering approach. Figure 7 shows a generalized view of the interfaces of recoverable items with other processes. The specifics of each interface are shown in the interface table (Table 1). An inspection of Table 1 compared to Figures 1 through 6 will show that outputs from the logic clusters of Figures 1 through 6 frequently go to more than one other LAG or process.

A proper interface specification for a LAG such as Requirements would define the level of detail, format, and frequency of each input/output that crosses the interface. The development of a proper interface cannot be done from the perspective of one LAG. It must result from interaction between LAGs in a systems engineering environment. Future efforts should be oriented to developing proper interfaces.

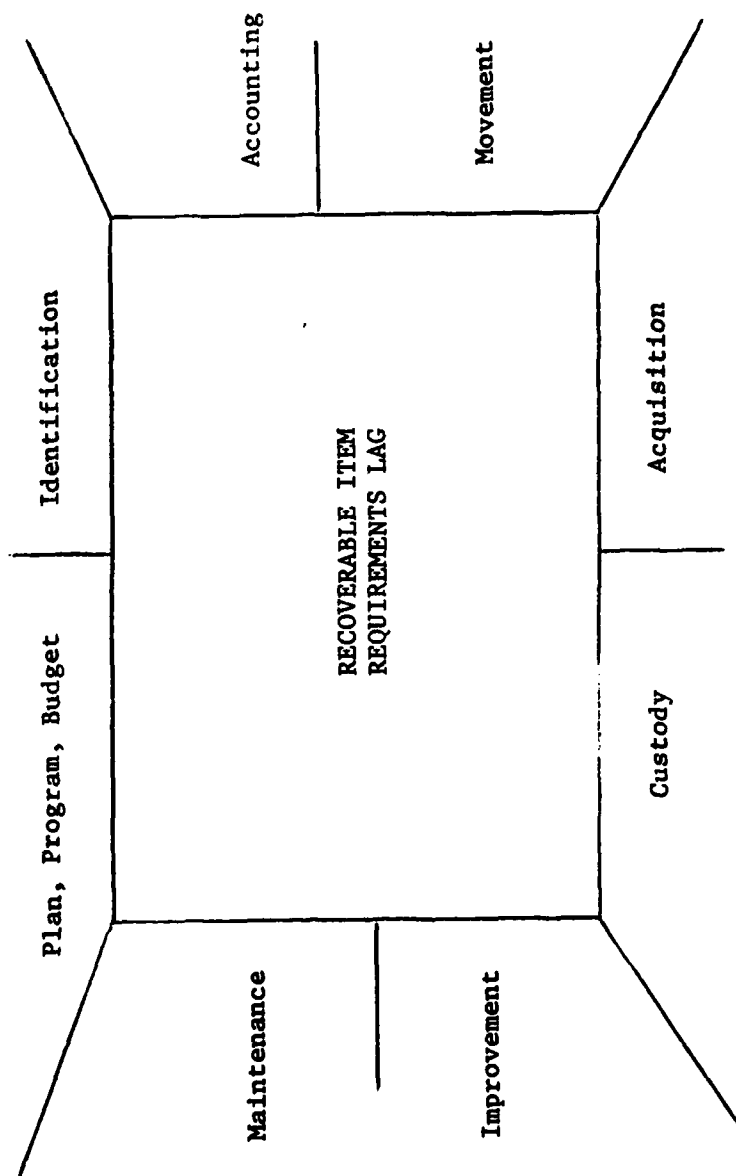


FIGURE 7. RECOVERABLE ITEM REQUIREMENTS INTERFACES

TABLE 1. RECOVERABLE ITEM LAG INTERFACES WITH
OTHER PROCESSES AND PERSPECTIVES

<u>PPB</u>		
From		To
Program Guidance	POM Requirements	
Planned Usage by System	Budget Requirements by:	System
Priority by System		Item
Base Assignments by System		Year
Constraints: War Plans	Shortfalls by:	System
Funds		Item
WRSK Policy		Quarter
<u>Identification</u>		
From		To
FSN		
Application (Use on) Systems	Deletions	
QPI		
Substitution		
Interchangeability		
New Information (Changes)		
<u>Maintenance</u>		
From		To
Source of Repair	Expected Repairs by:	Quarter
Depot Repair Cycle Time		Base/Depot
Depot Condemnation Rate	New Item for Repair	
Average Cost of Depot Repair		
Base Repair Cycle Time		
Base Condemnation Rate		
Not Repairable This Station (NRTS) Rate		
Dedicated Assets (not Mock-Ups)		
Due in from Maintenance (DIFM) Assets		
Repair Capacity		
New Information (Changes)		
Item Operating/Usage Ratio		
<u>Acquisition</u>		
From		To
Procurement Lead Time	Quantity of Buy	
Production Lead Time	Need Dates	
Expected Unit Cost	Funds Constraints	
Expected Loss of Source		
New Systems (Initial Provisioning)		
GFE Requirements		

TABLE 1. (Continued)

<u>Movement</u>	
From	To
Order and Ship Times	Number of Movements by Quarter
Cost of Movement	Locations for Movements
New Information (Changes	Expected Tonnage
	Airlift Requirements (Based on Critical Items)

<u>Accounting</u>	
From	To
Funds Constraints for Obligation	Need for Obligation Authority
Obligation Authority Available	Reports of Usage of Computation
Progress of Obligations	Capability
Computational Capability	Needs for Computational Capability
New Information (Changes)	

<u>Item Management</u>	
From	To
Computing Methodology	Item Buy Requirements: Number
Negotiated Levels	Schedule
Operating Hours by Item	Funds
New Information (Changes)	Repair Actions
Foreign Military Sales	Expected Excess
Other Programs	Expected Shortfalls
Alternative Solutions	

<u>Improvement</u>	
From	To
Approved Changes: Effectivity	Availability of Turnaround Assets
Schedule	
Interchangeability	
Need for Turnaround	
Assets	

<u>Custody</u>	
From	To
Assets on Hand: Serviceable	Expected Demands
Reparable	Expected Critical Items
Assets Due in from: New Buy	Expected Asset Position by Quarter
Maintenance	Expected Excess
Safety Level Criteria	

FCMS DATA SHEETS

The following section of this report contains sample data sheets which translate information in the text and figures to FCMS format.

The data sheets are at three levels. The first is at the LAG level and summarizes the entire LAG. The second set are at the process level, as defined by PSL/PSA conventions. The third set are at the entity level, as defined by PSL/PSA.

Each data sheet contains sufficient information to relate it to higher levels within FCMS, and other elements in the same level of FCMS. When this information has been entered into the FCMS data base it should be possible for the system to construct a diagram of the process. When the FCMS data base is complete for all LAGs, it should be possible to indicate any inconsistencies in interfaces as they are defined.

LAG LEVEL

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DATA SHEET

LAG LEVEL

Define Process: LMS LAG 14

Date of Last Change: 5/1/82

Synonyms Are: Requirements LAG, Recoverable Items

Description: The Recoverable Item Requirements LAG provides a means of
computing future requirements for recoverable items based on historical
data and future program operating hours.

Key Words Are: Recoverable items

Buy requirement

Repair requirements

Sub-Parts Are: Determine future usage - 14A

Compute future needs - 14B

Evaluate current assets - 14C

Define buy requirements - 14D

Define excess assets - 14E

Part of: AFLC LMS

PROCESS LEVEL

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DATA SHEET

PROCESS LEVEL

Define Process: 14 A

Date of Last Change: 5/1/82

Synonyms Are: Determine Future Usage

Description: This process uses approved program guidance and specific item
data to determine the future operating hours for each recoverable item.
The period of interest is lead time for acquiring additional quantities
of each item.

Key Words Are: Lead time
Program operating hours

Part of: LAG 14 (Recoverable Item Requirements LAG)

Derives: Use by item

Employs: Item lead times
Application data
OPT
New system
Initial provisioning

Inputs: Program operating hours

Outputs:

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DATA SHEET

PROCESS LEVEL

Define Process: 14B

Date of Last Change: 5/1/82

Synonyms Are: Compute Future Needs

Description: This process uses end item use and current factors to compute
the number of assets required to meet the future need. This process
also computes the number of each item that will be repaired.

Key Words Are: Lead times
Repair times

Part of: LAG 14 (Recoverable Item Requirements LAG)

Derives: Needs by item
Repair needs

Employs: Current factors
Negotiated levels
Approved changes

Inputs: _____

Outputs: _____

22
DATA SHEET

PROCESS LEVEL

Define Process: 14C

Date of Last Change: 5/1/82

Synonyms Are: Evaluate Current Assets

Description: This process provides a current assessment of the worldwide
asset position for each recoverable item. It uses current inventory and
due-in assets from both maintenance and previous buys to develop a
comprehensive, worldwide asset position.

Key Words Are: Lead times
Repair times

Part of: LAG 14 (Recoverable Item Requirements LAG)

Derives: Turnaround asset availability
Shortfalls
Excess assets

Employs: Condition
Worldwide assets
Due-ins

Inputs:

Outputs:

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DATA SHEET

PROCESS LEVEL

Define Process: 14D

Date of Last Change: 5/1/82

Synonyms Are: Define Buy Requirements

Description: This process uses the needs by item compared to the worldwide
asset position to compute the shortfall in assets expected lead time away.

Key Words Are: Asset position

Due-in assets

Part of: LAG 14 Recoverable Item Requirements LAG)

Derives: Expected asset position

Expected demands

Expected critical items

Buy requirement

POM Budget input

Employs: Shortfalls

Inputs: Priority

Outputs: _____

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DATA SHEET

PROCESS LEVEL

Define Process: 14E

Date of Last Change: 5/1/82

Synonyms Are: Define Excess Assets

Description: This process uses asset needs versus asset position to identify
items that are in excess position. This information is used to nominate
assets for disposal. Options for use of each item are considered prior
to disposal recommendation.

Key Words Are: Excess assets

Part of: LAG 14 (Recoverable Item Requirements LAG)

Derives: Excess item list

Employs: Options for disposition

Excess assets

Inputs: _____

Outputs: _____

ENTITY LEVEL

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DATA SHEET

ENTITY LEVEL

Define Entity: Use By Item

Date of Last Change: 5/1/82

Synonyms Are: Item Usage

Description: This data element gives the expected total operating hours
for each item by quarter over the lead time for the item.

Key Words: National Stock List (NSL)

Attributes: Item oriented

Combined usage by item

Sub-Parts Are: Data output for each item

Source is: LAG 14A

Use is: LAG 14B

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DATA SHEET

ENTITY LEVEL

Define Entity: Application Data

Date of Last Change: 5/1/82

Synonyms Are: Use on Code

Description: These data define the systems on which each item is used and
the quantity per installation (QPI) for each item.

Key Words: QPI

Use on

Attributes: National stock list oriented

Sub-Parts Are: Use on code

QPI

National stock list number

Substitutability

Source is: Provisioning data/SM requirements

Use is: LAG 14A

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DATA SHEET

ENTITY LEVEL

Define Entity: Item Lead Time

Date of Last Change: 5/1/82

Synonyms Are: Acquisition Lead Time

Description: The total lead time to order and receive an item given a
decision to order.

Key Words: Procurement

Administrative lead

Attributes: Calendar time in days

Sub-Parts Are: Administrative lead

Production lead

Source is: Acquisition LAG

Use is: LAG 14A

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DATA SHEET

ENTITY LEVEL

Define Entity: Program Operating Hours

Date of Last Change: 5/1/82

Synonyms Are: Program Guidance

Description: The official Air Force program of operating hours for each
system; contained in the P series documents.

Key Words: Flying hours

Operating hours

Attributes: Operating hours by system

Programmed equipment of AF units

Sub-Parts Are: Each weapon system

Source is: USAF PD

Use is: LAG 14A

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DATA SHEET

ENTITY LEVEL

Define Entity: Needs by Item

Date of Last Change: 5/1/82

Synonyms Are: Raw Requirements

Description: This entity provides a definition of the total pipeline and
safety level needs for recoverable items. Pipeline includes repair,
order, and ship asset requirements.

Key Words: Safety level
Order and ship

Attributes: Requirements by quarter

Sub-Parts Are: Order and ship quantity
Base repair cycle assets
Depot repair cycle assets
Safety levels
Negotiated levels

Source is: LAG 14B

Use is: LAG 14C

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DATA SHEET

ENTITY LEVEL

Define Entity: Repairs by Item

Date of Last Change: 5/1/82

Synonyms Are: Incidents of Repair

Description: This entity contains a projection of the quantity of each
item that will require repair in each quarter over the lead time and
the dollar value of those repairs.

Key Words: Labor standard

DMIF rate

Attributes:

Sub-Parts Are: List of repair by NSL items

Source is: LAG 14B

Use is: LAG 14C

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DATA SHEET

ENTITY LEVEL

Define Entity: Negotiated Levels

Date of Last Change: 5/1/82

Synonyms Are: Special Levels

Description: This entity conveys the approved special or negotiated levels
that must be honored over the lead time of each item.

Key Words: _____

Attributes: By NSL item

Sub-Parts Are: List by NSL item

Source is: IM specialist (1996s)

Use is: LAG 14B

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DATA SHEET

ENTITY LEVEL

Define Entity: Approved Changes

Date of Last Change: 5/1/82

Synonyms Are: Turnaround Assets; Modification Program

Description: This entity conveys the time-phasing and asset requirement to
to support modifications. It also defines the phase-out schedule of
replaced items.

Key Words: Configuration control
Interchangeability

Attributes: By NSL item

Sub-Parts Are: Class V modification schedules
Class IV modification schedules

Source is: Improvement LAG

Use is: LAG 14B

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DATA SHEET

ENTITY LEVEL

Define Entity: Current Factors

Date of Last Change: 5/1/82

Synonyms Are: D041 Factors

Description: This entity provides the approved values for all factors
used in the requirements computation.

Key Words: _____

Attributes: Data by NSL item

Sub-Parts Are: Maintenance factor
Base repair cycle time
Depot repair cycle time
Order and ship time
Not-reparable-this-station rate
Condemnation rate

Source is: Equipment specialist (IM)

Use is: LAG 14B

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DATA SHEET

ENTITY LEVEL

Define Entity: Turnaround Asset Availability

Date of Last Change: 5/1/82

Synonyms Are: _____

Description: This entity identifies the assets that could be made available
to support modifications. The list is generated for each item programmed
for modification.

Key Words: Modification

Attributes: Number of assets available

Sub-Parts Are: List by NSL item

Source is: LAG 14C

Use is: Improvement LAG

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DATA SHEET

ENTITY LEVEL

Define Entity: Shortfalls

Date of Last Change: 5/1/82

Synonyms Are: Buy Option Quantity

Description: This entity conveys the total number of each item that must be
acquired to meet the projected operating hours.

Key Words: Buy quantity

Dollar requirement

Attributes: List by NSL item

Sub-Parts Are: List of all items that are short

Source is: LAG 14C

Use is: LAG 14D

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DATA SHEET

ENTITY LEVEL

Define Entity: Excess Assets

Date of Last Change: 5/1/82

Synonyms Are: Overage

Description: This entity conveys a list of all items that are in long
supply with the number of each asset that is excess.

Key Words: Excess assets

Long supply

Attributes: By item

Sub-Parts Are: List by NSL item

Source is: LAG 14C

Use is: LAG 14E

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DATA SHEET

ENTITY LEVEL

Define Entity: Worldwide Assets

Date of Last Change: 5/1/82

Synonyms Are: Inventory, Worldwide

Description: This entity conveys the current worldwide asset position for
each recoverable item. It defines the number, location, and condition
of each asset.

Key Words: On-hand

Reparable

Serviceable

Attributes: By item

Sub-Parts Are: Serviceable

Reparable

Depot stock

Base stock

Source is: IM specialist, item records

Use is: LAG 14C

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DATA SHEET

ENTITY LEVEL

Define Entity: Due-In's

Date of Last Change: 5/1/82

Synonyms Are: Expected Assets

Description: This entity conveys the quantity and schedule for the arrival
of assets that are "due in" from all sources.

Key Words: DIFM
Delivery schedule

Attributes: By NSL item

Sub-Parts Are: Due in from maintenance
Due in from previous buys
Return of turnaround assets

Source is: IM specialist/Acquisition

Use is: LAG 14C

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DATA SHEET

ENTITY LEVEL

Define Entity: Expected Asset Position

Date of Last Change: 5/1/82

Synonyms Are: Projected Asset Position

Description: This entity portrays the asset position for each item for
each quarter over the lead time of the asset.

Key Words: Asset

Attributes: By item

Sub-Parts Are:

Source is: LAG 14D

Use is: IM specialist

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DATA SHEET

ENTITY LEVEL

Define Entity: Expected Demands

Date of Last Change: 5/1/82

Synonyms Are: _____

Description: This entity conveys the worldwide demand pattern for each
item over the lead time for the item.

Key Words: Demand rate
Fill rate

Attributes: _____

Sub-Parts Are: _____

Source is: LAG 14D

Use is: Movement LAG ____
Custody LAG ____

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DATA SHEET

ENTITY LEVEL

Define Entity: Expected Critical Items

Date of Last Change: 5/1/82

Synonyms Are: Critical Item Projection

Description: This entity conveys the expected number of unfilled back orders
to be expected over the item lead time.

Key Words: Fill rate

Back orders

Attributes: Computed by quarter

Sub-Parts Are: List by Federal Stock Number (FSN)

Source is: LAG 14D

Use is: IM specialist

SM

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DATA SHEET

ENTITY LEVEL

Define Entity: Buy Requirement

Date of Last Change: 5/1/82

Synonyms Are: Item Requirements

Description: This entity is a list by FSN of each item that is to be procured
within the approved budget.

Key Words: By option
Budget constraint

Attributes: Modified by priority

Sub-Parts Are: _____

Source is: LAG 14D

Use is: Acquisition LAG _____

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DATA SHEET

ENTITY LEVEL

Define Entity: POM Budget Input

Date of Last Change: 5/1/82

Synonyms Are: Program Objective Memorandum Input

Description: This entity projects AFLC's future dollar requirements for
recoverable items and the impacts of not satisfying them.

Key Words: Impacts

Budget

Attributes: By item

Extended value

Sub-Parts Are: Dollars by fiscal year

Impacts by system

Source is: LAG 14D

Use is: PPBS LAG

SM LAG

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DATA SHEET

ENTITY LEVEL

Define Entity: Priority

Date of Last Change: 5/1/82

Synonyms Are: Air Force Priority

Description: This entity defines the priority of each weapon system in the
Air Force and is used to apportion critical Air Force resources.

Key Words: Force activity designator

Mission essentiality

Attributes: A numerical value by system

Sub-Parts Are: System priority

Force activity designator

Essentiality code

Source is: PD series documents

Use is: LAG 14D

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DATA SHEET

ENTITY LEVEL

Define Entity: Options for Disposition

Date of Last Change: 5/1/82

Synonyms Are: Other Requirements

Description: This entity defines the alternative uses for items subject to
disposal. Examples are: foreign country needs, training organizations, etc.

Key Words: Excess assets

Disposal lists

Attributes: Policy developed by DoD

Sub-Parts Are: Foreign country needs

State institutions

Schools

Clubs

Source is: DoD policy

Use is: LAG 14E

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DATA SHEET

ENTITY LEVEL

Define Entity: Excess Item List

Date of Last Change: 5/1/82

Synonyms Are: Long Supply Items List

Description: This entity defines the quantity of each item that is in long supply and provides recommended disposition of those items.

Key Words: _____

Attributes: _____

Sub-Parts Are: Items to be retained

Items to be disposed of

Source is: LAG 14E

Use is: Custody LAG

CONCLUSIONS

The use of data sheets as demonstrated here should greatly facilitate the translation of descriptions developed by functional planners into FCMS format. Further, the use of data sheets will standardize output and increase consistency in describing the functional areas.

A suggested addition to these data sheets is the development of a simple narrative description of each of the data elements required. This would allow functional planners to complete the sheets with a minimal amount of orientation.

GLOSSARY OF ABBREVIATIONS

BRC	Base Repair Cycle
DRC	Depot Repair Cycle
DIFM	Due in from Maintenance
FCMS	Functional Configuration Management System
FMS	Foreign Military Sales
FSN	Federal Stock Number
GFE	Government Furnished Equipment
I&S	Interchangeability & Substitutability
LAG	Logical Application Group
LMS	Logistics Management System
NRTS	Not Repairable this Station
O&S	Order and Ship
PD	Program Document
PSL/PSA	Problem Statement Language/Problem Statement Analyzer
QPI	Quantity Per Installation
TA	Turnaround