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STRUCTURED ANALYSIS
ILS REVIEW ELEMENT E15
COST ANALYSIS AND FUNDING

APJ 966-211

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AMERICAN POWER JET CO. RIDGEFIELD N.J.

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ABSTRACT (Continue on reverse if necessary and identify by block number)

This report is one of a series presenting the Structured Analysis for the Logistic Support Analysis (LSA) Task and the Integrated Logistic Support (ILS) Element. Included in this report is the System Analysis for the LSA Task and the ILS Element E15, "Cost Analysis and Funding", with the corresponding description of the processes, data flows, data stores, and external entities involved on each DFD. An overview of the Cost Analysis and Funding review process, as well as a brief working description of the Structured Systems Analysis Fundamentals.

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STRUCTURED ANALYSIS

**ILS REVIEW ELEMENT E15
COST ANALYSIS AND FUNDING**

under

CONTRACT DAAA21-86-D-0025

for

**HQ US AMCCOM
INTEGRATED LOGISTIC SUPPORT OFFICE
AMSMC-LSP
ROCK ISLAND, IL**

by

AMERICAN POWER JET COMPANY	
RIDGEFIELD, NJ	FALLS CHURCH, VA
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June 1989

FOREWORD

APJ, under contract to HQs, AMCCOM, has initiated the automation of the LSA Tasks (MIL-STD-1388-1) and the assessment of the ILS elements (AR 700-127). A major goal is to unify military and contractor approach to the performance of ILS and LSA.

Detailed to meet all requirements of ILS and LSA, the automated process will continue to provide the flexibility in selecting tasks and elements to be addressed at each life cycle stage. A major advantage of this approach is to insure that application of each task element is consistent with prescribed Army policies and procedures.

This report is one of a series presenting the Structured Analysis of each LSA Task and ILS Element. Structured Analysis comprises a description of the process being automated in terms which facilitate system design and subsequent programming. It is increasingly the preferred approach in both industry and Government.

This report contains the Data Flow Diagrams (DFDs) of ILS Element E15, "Cost Analysis and Funding", and provides definitions of the processes, data flows, data stores, and external entities involved on each DFD (Annexes A and B). The report provides an overview of the ILS Element analysis procedures and a guide to the overall cost analysis and funding review process.

To view this work in context. Annex C provides a brief working description of the Structured Systems Analysis fundamentals. The overview and certain portions of the introductory text are repeated verbatim in every report in this series so that each one can stand alone.

We gratefully acknowledge comments made by LEA representatives on the draft edition of this final submission.

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INTRODUCTION

PURPOSE

The purpose of this report series is to present the results of the APJ efforts under Contract DAAA21-86-D-0025 for coordination with the AMCCOM Program Manager prior to in-depth structured design of ILS and LSA functions and processes. "Cost Analysis and Funding", (ILS Review Element E15) is addressed in this report.

BACKGROUND

The Department of the Army has a requirement for management control over contractor and Government agency response to the requirements of AR 700-127, "Integrated Logistic Support", and MIL-STD-1388-1A, "Logistic Support Analysis". HQs AMCCOM has initiated action to structure each of the LSA tasks, the assessment of each ILS element, the form of the results, and the detailed processes to insure consistency with current Army policies, procedures, and techniques.

This approach (undertaken by AMCCOM and APJ) will insure uniformity in efforts and products, reproducibility of analyses, and a well-defined structure which can be coordinated among all participants in the logistic process to arrive at common understanding and procedures.

SCOPE

This report summarizes the results of the Structured Systems Analysis for Cost Analysis and Funding, ILS Review Element E15 and presents the associated Data Flow Diagrams (DFDs) developed from the Structured Analysis. The portions of the Data Dictionary relating to labels, names, descriptions, processes data flows, data stores, and external entities are included in their present degree of completeness. (The Data Dictionary is a "living document" that evolves through the analysis and design process).

ILS Review Element E15 Description

ILS Review Element E15 concerns the review of the Government or Contractors Cost Analysis and Funding projections for the developmental or product improvement program. There are no specific areas in the Integrated Logistic Support Plan in which all the cost and funding data are consolidated as with many of the other ILS elements.

However, neither is there any major portion of the overall logistics system, logistics planning, or logistics support which does not require consideration of cost analysis and funding requirements, either as initial investment, sustaining support or overall life cycle.

It is recognized that eventually the requirement for a separate cost analysis and funding review may be absorbed by the cost/funding data that are developed for each of the major ILS areas. However, for the present, the cost/funding areas of contractor review have been set forth in four (4) major categories:

1. ILS/LSA Management and Planning
2. Logistic-related Investments
3. Logistic-related Operations and Support
4. Cost Analysis Documentation

Each of these categories are further defined to address:

1. ILS/LSA Management
2. ILS/LSA Funding
3. Logistic Demonstrations
4. System Support Package
 - a. Technical Data Development
 - b. Training Services and Equipment
 - c. Support and Test Equipment
 - d. Test Program Sets
 - e. Repair Parts
5. Initial Provisioning
6. Special Support Services
7. Technical Assistance
8. Procurement
9. Facility Activation
10. Transportation - 1st and 2nd Destination
11. Replenishment Spares
12. POL
13. Training Ammunition
14. Post-Deployment Software Support
15. Depot Maintenance
16. Contract Maintenance
17. Facilities Maintenance and Utilities
18. Military Personnel
19. Personnel Replacements
20. Materiel System Requirements Specification
21. Baseline Cost Estimate
22. COEA/CTEA Cost and Operation/Training Effectiveness
23. Independent Parametric Analyses
24. Army Cost Analysis Paper

To the degree feasible, each of these cost/funding parameters have been addressed within the context of the overall ILS review system, assuming that the development Government is responsible for the initial preparation of the costing and funds requirements documents to support their program.

The ILS Review Element E15, "Cost Analysis and Funding" definitions from AR 700-127 are included as Annex A.

APPROACH

The APJ approach to structured design of an ILS review element is:

1. Scope the process defined in AR 700-127 in the context of the other ILS elements.
2. Review the guidance provided in MIL-STD-1369, "Integrated Logistic Support Program Requirements" and DA PAM 700-55, "Instructions for Preparing the Integrated Logistic Support Plan".
3. Review the applicable Data Item Descriptions (DIDs) from the Acquisition Management Systems and Data Requirements Control List (AMSDL) published by the Department of Defense.
4. Review all source documents referenced in the AMSDL as applicable to the referenced DIDs of interest.
5. Apply staff experience in logistics support analysis to assure that the intent of the task has been addressed.
6. Validate results in discussions with Army activities and personnel directly involved in the applicable or related ILS review elements and/or LSA tasks.

Structured Analysis and preparation of Data Flow Diagrams (DFDs) was further assisted by the application of Structured Analysis software. Licensed by Index Technology Corporation, Excelerator provides for automated tracking of names, labels, descriptions, multiple levels of detail in the data flow diagrams, and industry standards in symbols and diagramming practices.

Following completion of the draft DFDs, the diagrams and data dictionary were made available to LEA whose mission relates to Logistic Assessments of Army Programs. Comments were solicited relative to the logic of the processes described, the scope and details of the indicated approaches, and the outputs implied by the assessment requirements.

Draft products were well received by the external reviewers, and requests have been made for copies of the DFDs for in-house use in organizing ILS and LSA efforts. Comments were also received that the DFDs will be a useful training tool for apprentice logisticians, since they provide an overall picture of the total task and a uniform approach to its fulfillment.

ILS REVIEW ELEMENT E15 - COST ANALYSIS AND FUNDING- DATA FLOW DIAGRAMS

The Data Flow Diagram is a tool that shows flow of data, i.e., data flows from sources and is processed by activities to produce intermediate or final products.

The DFD provides a useful and meaningful partitioning of a system from the viewpoint of identification and separation of all functions, actions, or processes so that each can be introduced, changed, added, or deleted with minimal disruption of the overall program, i.e., it emphasizes the underlying concept of modularity and identifiable transformations of data into actionable products.

A series of nine (9) DFDs have been developed to structure the ILS E15 subtasks:

1. E15 Cost Analysis and Funds Overview
2. E15.1A ILS/LSA Management & Funding
3. E15.1A3B System Support Package Requirements
4. E15.2A Logistic-Related Investments
5. E15.2A7B Procurement Funding Data
6. E15.3A Logistic-Related Operations and Support
7. E15.3A1B Logistic-Related Operations
8. E15.3A2B Logistic-Related Support - Personnel
9. E15.4A Cost Analysis Documentation

Each DFD is keyed to the specific task (ILS Element in this case) through the identification number assigned in the lower right hand box. The Alpha codes indicate the level of indenture or explosion below the top level, i.e.,:

Top Level.....ILS DFD E15
First Indenture.....ILS DFD E15.2A
Second Indenture....ILS DFD E15.2A7B

Each DFD makes reference to the basic ILS element it addresses, as well as the level of indenture (explosion) of the DFD. For example, the first or top level DFD, "E15", refers to the section in AR 700-127 which describes the review items. One of the processes (bubbles) on the top level diagram (E15.2) is expanded and identified as "E15.2A", a second level of E15 (Alpha "A" indicates the second level).

In turn, DFD E15.2A has a process (bubble) E15.2A7, "Procurement", which is further exploded on DFD E15.2A7B, a third level explosion of the basic DFD E15 (Alpha "B" indicates the third level explosion).

Four standard symbols are used in the DFD drawing (see Annex C - Figure 1).

A copy of each DFD is presented in Annex B, accompanied by the Data Dictionary process elements. Each entry made in the DFDs has a corresponding entry in the Data Dictionary.

This presents only those Data Dictionary entries necessary for the coordination of the overall concept and details of the processes. To facilitate review of the diagrams, data flow identifications, process, and data store descriptions are provided. As noted above, they will continue to evolve and be expanded in the System Design phase.

ANNEX A

ILS ELEMENT E15 -
COST ANALYSIS AND FUNDING

ANNEX A

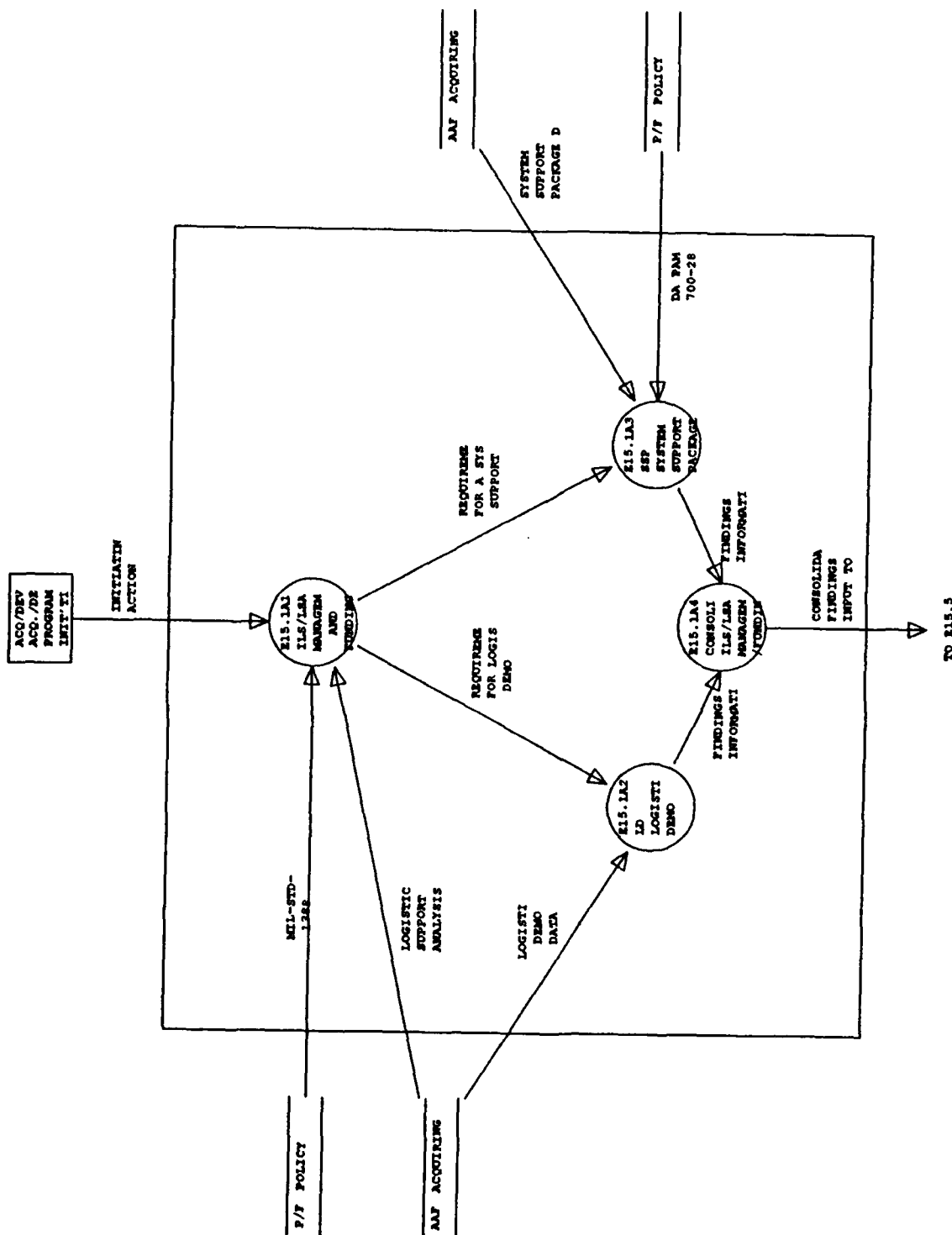
ILS ELEMENT E15 - COST ANALYSIS AND FUNDING

- a. Operations & support cost (DA PAM 11-4)
- b. Initial provisioning costs.
- c. Acquisition TMDE/calibration
- d. Tools and support equipment costs
- e. Publications preparation
- f. Printing costs
- g. First and second destination transportation costs
- h. Special support services (warranty)
- i. Depot and contract maintenance cost
- j. Technical assistance (contract/military/civilian)
- k. Test training, training equipment/materiels/devices
- l. Logistic support analysis (contractor)
- m. Secondary/stock fund parts support cost
- n. Expendable supplies support cost
- o. Maintenance expenditure limits
- p. Facility costs
- q. Test program set development and acquisition costs
- r. PDSS costs
- s. Resources
- t. ILS cost elements
- u. ILS management resources
- v. Adequacy, availability, and timeliness
- w. COEA
- x. Baseline cost estimate
- y. Total package fielding
- z. Work breakdown structure

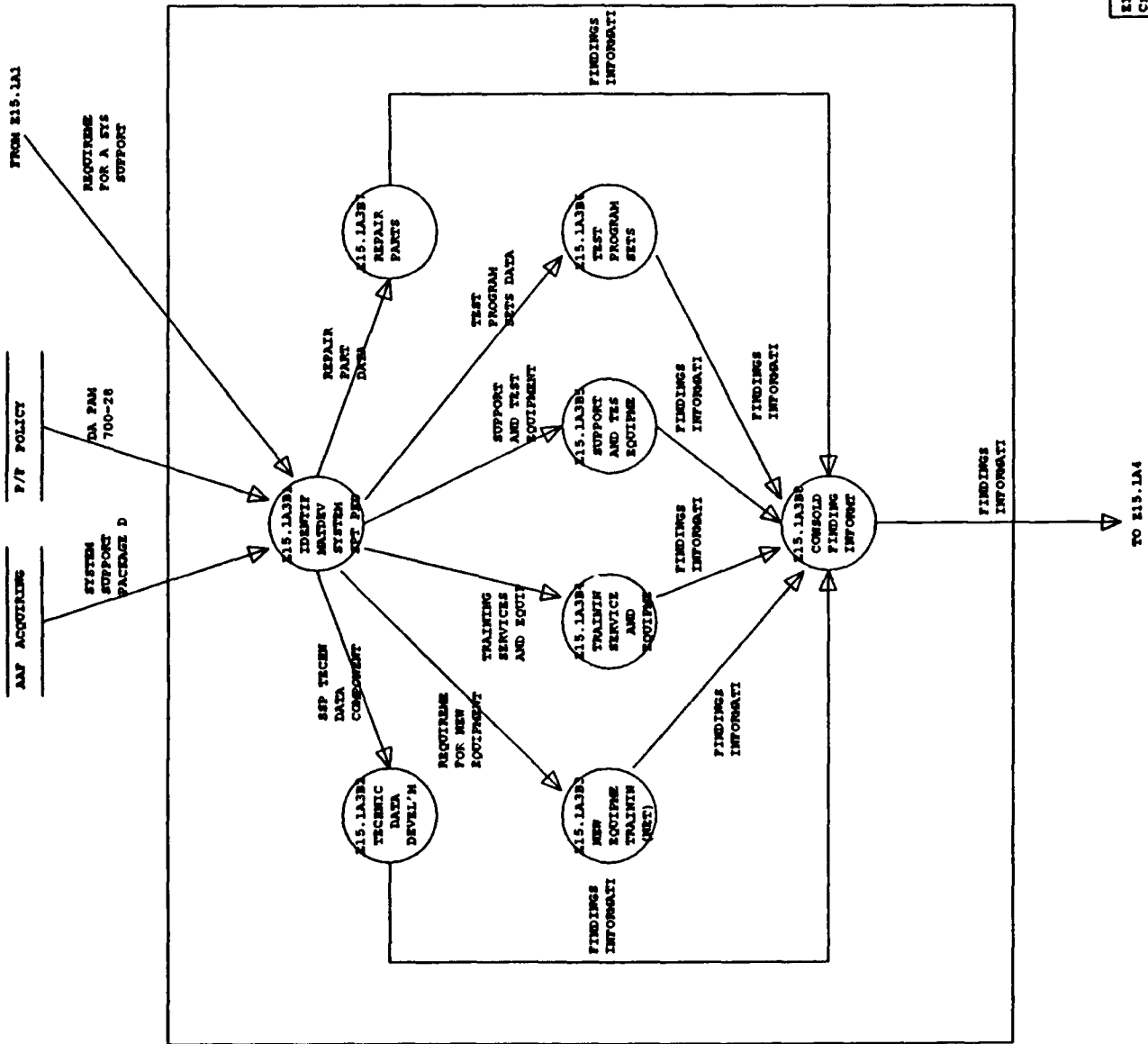
1/ Abstracted verbatim from AR 700-127, March 17, 1988

ANNEX B

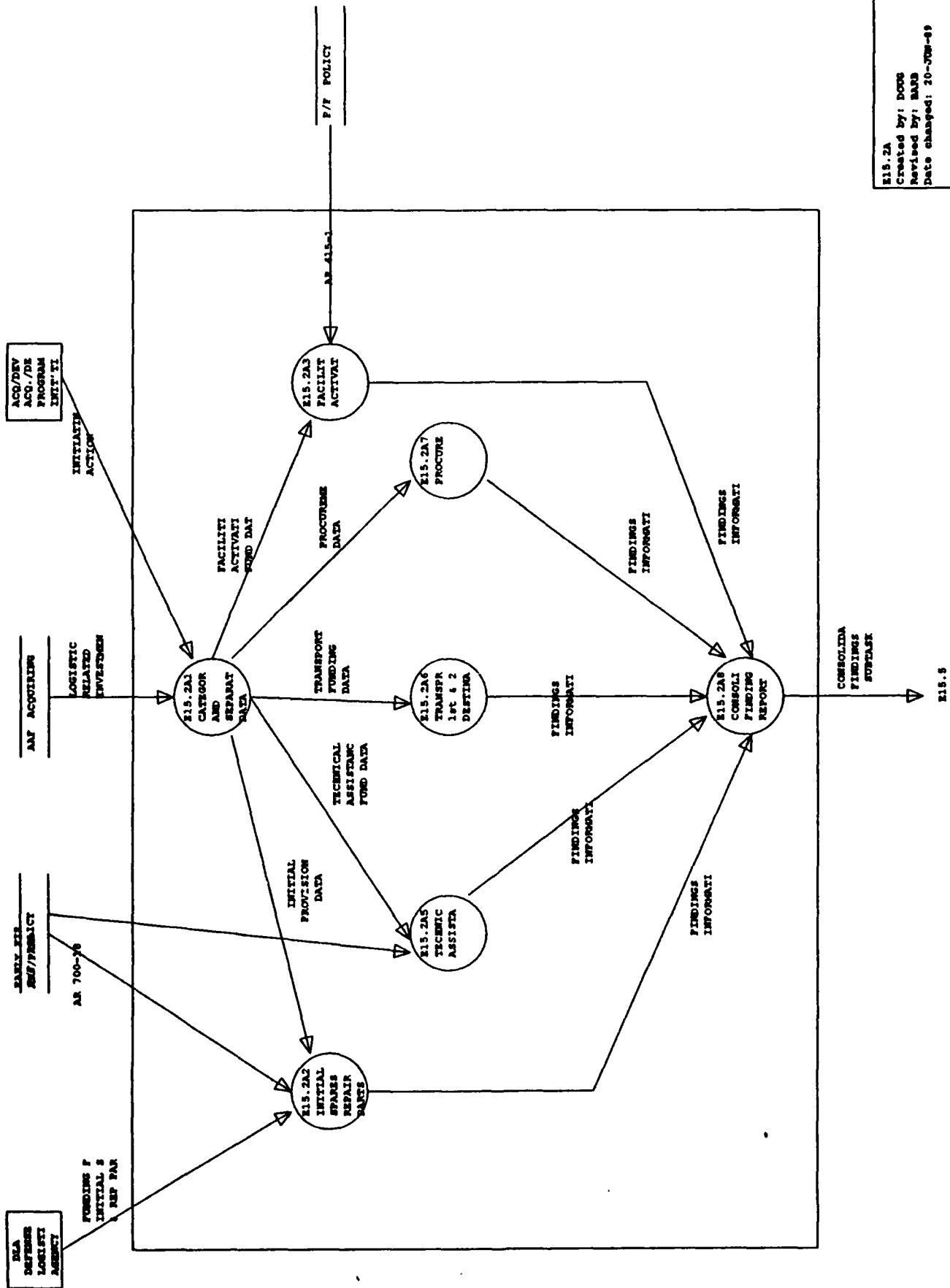
ILS REVIEW ELEMENT E15
DATA FLOW DIAGRAMS AND DATA DICTIONARY



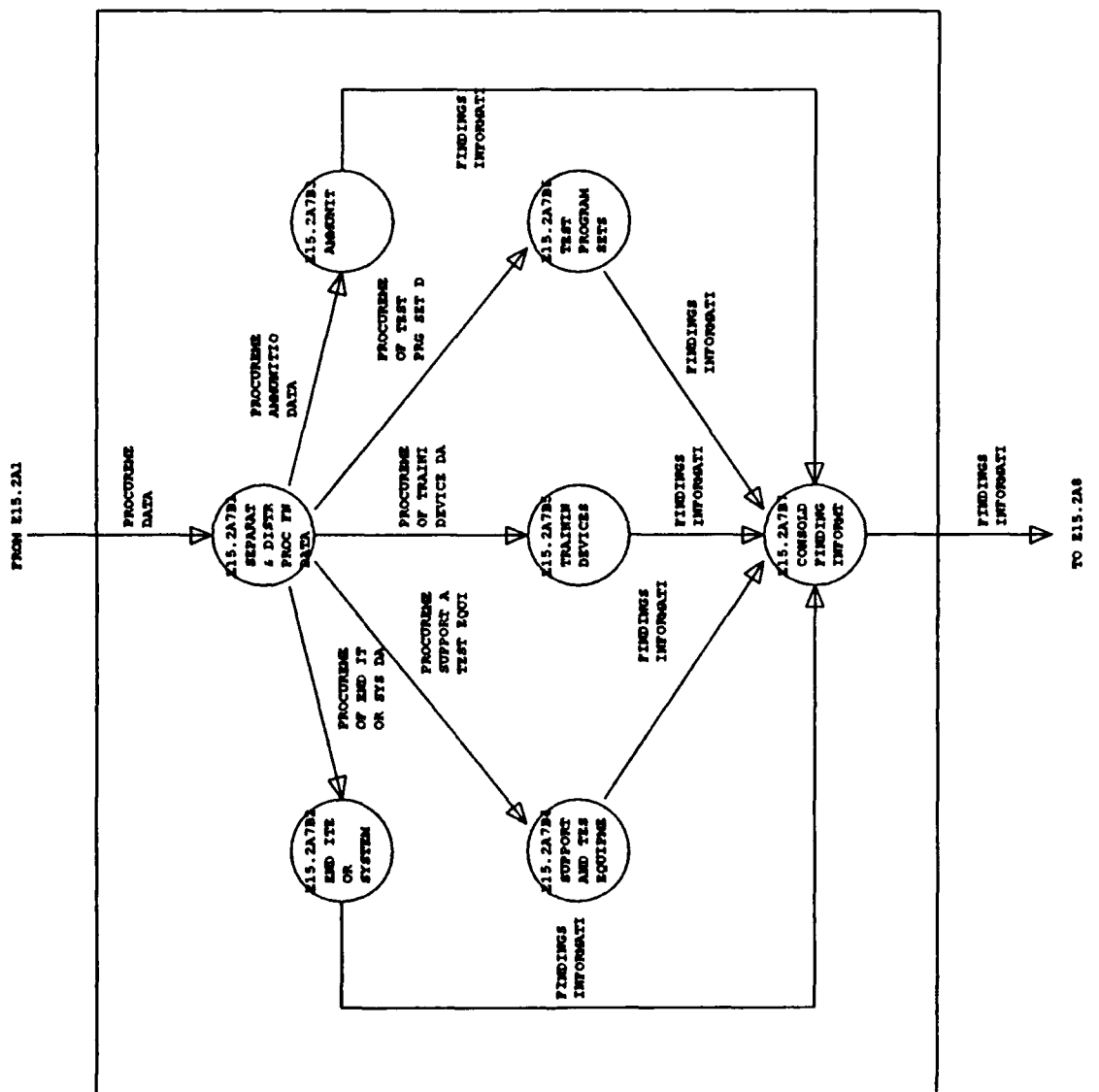
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Date changed: 09-AUG-88



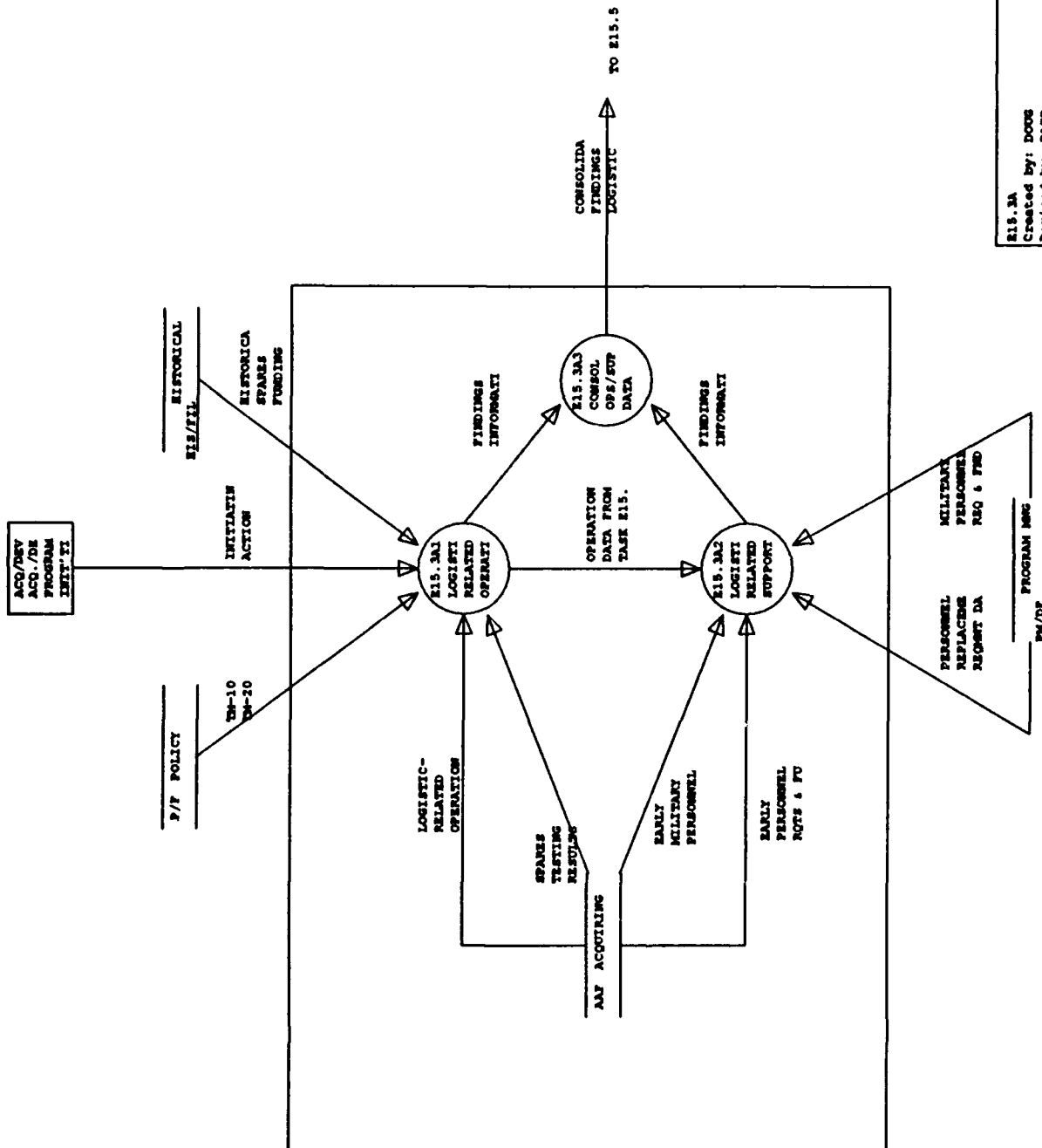
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Date changed: 09-AUG-88



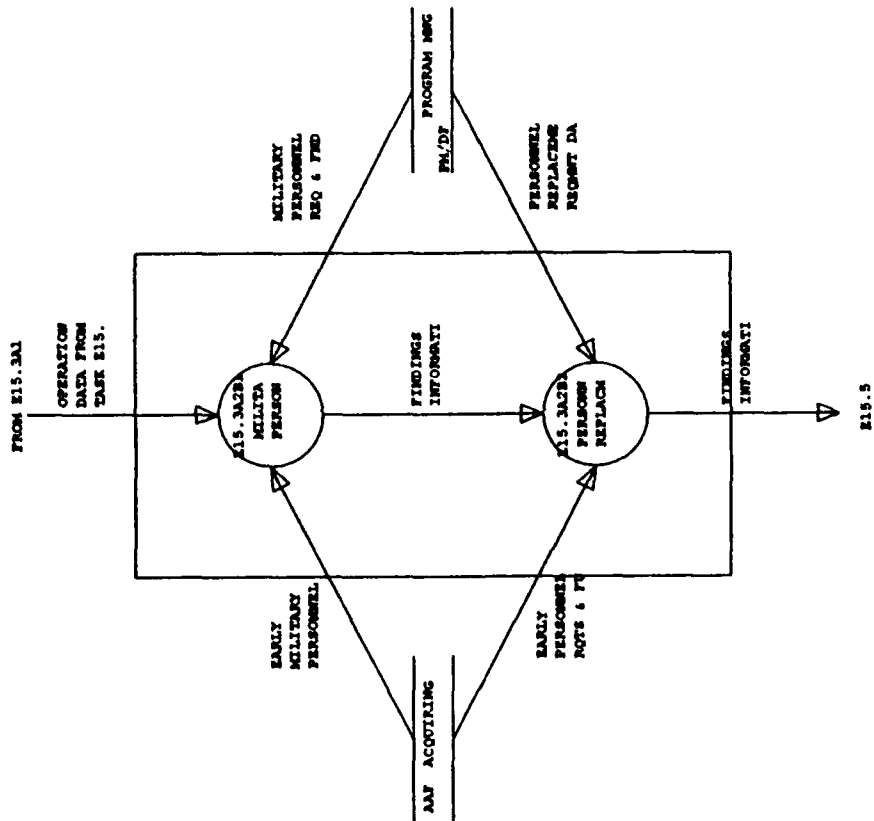
E15.2A
Created by: DOWS
Revised by: MAXB
Date changed: 20-JUN-89



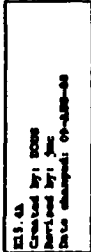
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Created by: DODS
Revised by: jac
Date changed: 09-AUG-88



E15.3A
Created by: DOOS
Revised by: BARS
Date changed: 20-JUN-89



E15.3A2B
 Created by: D006
 Revised by: Jmc
 Date changed: 09-10-88



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E15 PROCESS DEFINITION

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
E15.1	ILS/LSA MANAGEMENT	ACRONYMS: & PLANNING PROCESS: ENSURE THAT ADEQUATE FUNDING HAS BEEN PROGRAMMED FOR ILS AND LSA MANAGEMENT AND PLANNING FOR SUCH AREAS AS MANAGEMENT, DEMONSTRATIONS, AND SYSTEM SUPPORT PACKAGES. THESE TASKS ARE FURTHER DESCRIBED WITHIN THE EXPLOSION OF THIS PROCESS. DATA SOURCE: DA PAM 700-28
E15.1a1	ILS/LSA MANAGEMENT AND FUNDING	ACRONYMS: ILS - INTEGRATED LOGISTIC SUPPORT LSA - LOGISTIC SUPPORT ANALYSIS LSAR - LOGISTIC SUPPORT ANALYSIS RECORD PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED TO ACCOMPLISH APPLICABLE PHASE ILS AND LSA TASKS. MIL-STD-1388 AND AR-700-127 CONTAIN COMPLETE PROCEDURES FOR DEVELOPING ASSOCIATED TASKS AND THE TASK LISTING. PRIOR TO MILESTONE I, FUNDS MUST BE PROGRAMMED FOR THE DEMONSTRATION AND VALIDATION PHASE LSA TASK; PRIOR TO MILESTONE II MUST PROGRAM FUNDS FOR FULL SCALE DEVELOPMENT PHASE LSA TASKS; AND MILESTONE III MUST PROGRAM FUNDS FOR PRODUCTION PHASE LSA TASKS. FUNDING FOR THE LSA MUST BE PROGRAMMED TO ACCOMPLISH TASKS REFERENCED IN AMC-R 700-15, CHAPTER 3, SECTION II; DARCOM-P 700-10, PARAGRAPH 7-2; AND AR 700-18, CHAPTER 2-2. IF A TAILORED LSAR IS REQUIRED, IT SHALL BE CONSISTENT WITH AND COMPLETED AS DESCRIBED IN AR 1388-2. REQUIREMENTS FOR INDIVIDUAL CONTRACTS WILL BE SPECIFIED ON DD FORM 1423 AND LISTED ON DD FORM 1949-1 IN ACCORDANCE WITH MIL-STD-1552. THE PROVISIONING PARTS LIST INDEX (DI-V-7193) MAY BE USEFUL FOR CROSS-REFERENCING THE MANUFACTURER'S REFERENCE NUMBERS TO EACH ITEM'S PROVISIONING LIST ITEM SEQUENCE NUMBER. DATA SOURCE: DA PAM 700-28, MIL-STD-1561, AMC-R 700-15, AR 700-127, AR 700-18, DI-V-7193, MIL-STD 1369
E15.1a1B1	LSA LOGISTIC SUPPORT ANALYSIS	ACRONYM: PURPOSE OF PROCESS: TO ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED TO ACCOMPLISH APPLICABLE DEMONSTRATION AND VALIDATION PHASE LSA TASKS. MIL-STD-1388-1A SHALL BE REFERENCED FOR TASK LISTINGS. SOURCE OF PROCESS: DA PAM 700-28
E15.1a1B2	SYSTEM SUPPORT PACKAGE	ACRONYMS: PROCESS:

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Name	Label	Description
E15.1A2	LD LOGISTIC DEMO	ACRONYMS: LD - LOGISTIC DEMONSTRATION PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED TO FABRICATE A PROTOTYPE AND PROVIDE THE RESOURCES TO CONDUCT AN LD FOR THE SYSTEM AND ANY PECULIAR SUPPORT AND TEST EQUIPMENT REQUIRING TYPE CLASSIFICATION. THE ANALYST MUST ENSURE THAT AN LD PLAN HAS BEEN PREPARED AND PROVISIONS ESTABLISHED TO ACCOMPLISH OBJECTIVES AS STATED IN AR 700-127, SECTION III, AND AMC-R 700-15. THE PROVISIONING PARTS LIST (DI-V-7002) MAY BE USEFUL. DATA SOURCE: DA PAM 700-28, AR 700-18, MIL-STD-1561, AMC-R 700-15, DI-V-7002
E15.1A3	SSP SYSTEM SUPPORT PACKAGE	ACRONYMS: SSP - SYSTEM SUPPORT PROGRAM PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR THE FOLLOWING: (1) TECHNICAL DATA (2) TRAINING SERVICES, DEVICES AND EQUIPMENT (3) TOOLS, SUPPORT AND TEST EQUIPMENT (4) TEST PROGRAM SETS (5) REPAIR PARTS. THESE ELEMENTS WILL ADDRESS SUPPORT AND TEST EQUIPMENT ELEMENTS FOR TECHNICAL TEST I&II/INITIAL OPERATIONAL TEST AND EVALUATION IN MILESTONES I AND II, AND ARE ADDRESSED FURTHER IN THE EXPLOSION OF THIS PROCESS. MILESTONE III WILL ADDRESS ONLY THOSE SSP ELEMENTS NOT PREVIOUSLY VERIFIED. ALL PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561 AND AR 700-18. DATA SOURCE: DA PAM 700-28, DA PAM 700-127, MIL-STD-1561 AR 700-18, MIL-STD-001379, MIL-T-81821 MIL-STD-2077, DI-V-7000, DI-F-6125, DI-ILSS-80076 DARCOM-P 700-10, AR 300-3, AR 310-3, MIL-M-63001 DI-V-1955, DI-V-7002, DI-V-7005, DI-V-7001, DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7007, DI-V-7009, DI-V-7011, DI-V-7197, DI-V-7200
E15.1A3B1	IDENTIFY MATDEV SYSTEM SPT PKG REQMNTS	ACRONYMS: SSP - SYSTEM SUPPORT PACKAGE MATDEV - MATERIEL DEVELOPER PROCESS: IDENTIFY SSP COMPONENTS LIST REQUIRED BY MATDEV INTO FIVE CATEGORIES: 1. TECHNICAL DATA 2. TRAINING SERVICES DEVICES AND EQUIPMENT 3. SUPPORT AND TEST EQUIPMENT 4. TEST PROGRAM SET 5. REPAIR PARTS WHEN SEPARATED, SORTED COMPONENTS SHALL BE SENT TO THE APPROPRIATE PROCESS FOR FURTHER ANALYSIS. DATA SOURCE: DA PAM 700-127

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Name	Label	Description
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E15.1A3B2	TECHNICAL DATA DEVEL'MENT	ACRONYMS: SSP - SYSTEM SUPPORT PACKAGE TT - TECHNICAL TESTING IOT&E - INITIAL OPERATIONAL TEST AND EVALUATION EUT&E - EARLY USER TEST AND EXPERIMENTATION PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR THE FOLLOWING: 1. PREPARATION OF PRELIMINARY DRAFT EQUIPMENT PUBLICATIONS FOR TT I/EUT&E BY MILESTONE I 2. DEVELOPMENT/PREPARATION OF TECHNICAL DATA ELEMENTS FOR TT II/IOT&E BY MILESTONE II. TO COMPLETE TECHNICAL DATA TASKS DESCRIBED IN DA PAM 700-28, SECTION VII, FUNDING MUST BE PLANNED. THE MAJOR FIELD TO BE ADDRESSED IS THE TECHNICAL PUBLICATIONS. FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS SET FORTH IN AR 700-18. MIL-STD-1561 AND AR 310-3 PROVIDES GUIDANCE ON TERMS AND CONDITIONS, RESPONSIBILITIES, AND SCHEDULE AND DOCUMENTATION REQUIREMENTS. THE FOLLOWING DIDS MAY PROVE USEFUL: 1. DI-V-7000 - SUPPLEMENTARY PROVISIONING TECHNICAL DOCUMENTATION 2. DI-V-7009 - DESIGN CHANGES NOTICES DATA SOURCE: DA PAM 700-28, DA PAM 700-127, MIL-STD-1561, AR 310-3, AND AR 700-18
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Name	Label	Description
E15.1A3B3	NEW	ACRONYMS: NET - NEW EQUIPMENT TRAINING
	EQUIPMENT	TT - TECHNICAL TESTING
	TRAINING	UT - USER TEST
	(NET)	IOT&E - INITIAL OPERATIONAL TEST & EVALUATION
		NETP - NEW EQUIPMENT TRAINING PLAN

PROCESS:

DETERMINE IF NEW EQUIPMENT TRAINING IS REQUIRED AND ADEQUATELY FUNDED FOR THE DEVELOPMENTAL ITEM/EQUIPMENT/SYSTEM IN ACCORDANCE WITH THE GUIDANCE PROVIDED BY AR 350-35. IF SO, SUMMARIZE NET PLAN (NETP) ACTIONS REQUIRED AND IDENTIFY ORGANIZATIONS/INDIVIDUALS PARTICIPATING IN THE NETP DEVELOPMENT/EXECUTION. THE APPLICABLE NETP NUMBER WILL BE IDENTIFIED.

ENSURE THAT CRITERIA HAVE BEEN MET AS SHOWN IN THE CATEGORIES BELOW:

A. TT II/UT PERSONNEL.

NET HAS BEEN COMPLETED PRIOR TO AND FOR TT II AND IOT&E OPERATOR AND SUPPORT (UNIT THROUGH IGS LEVEL) PERSONNEL.

B. INSTITUTIONAL INSTRUCTORS.

ALL NECESSARY TRAINING OF INSTITUTIONAL INSTRUCTORS FOR SYSTEM OPERATOR AND SUPPORT PERSONNEL MOS HAS BEEN COMPLETED.

C. DEPOT MAINTENANCE PERSONNEL.

1. DEPOT MAINTENANCE PERSONNEL TRAINING REQUIREMENTS (WHO, WHAT, WHEN, AND HOW) HAVE BEEN DETERMINED.
2. SUFFICIENT RESOURCES (PERSONNEL, FACILITIES, SUPPORT MATERIEL, AND SO FORTH) HAVE BEEN PROGRAMMED TO BE AVAILABLE TO MEET DEPOT MAINTENANCE PERSONNEL NET REQUIREMENTS.

D. USING AND SUPPORT UNIT PERSONNEL

1. THERE ARE PLANS TO PROVIDE APPROPRIATE NET TO RESERVE COMPONENT PERSONNEL.
2. NET REQUIREMENTS (WHO, WHAT, WHEN, AND HOW) HAVE BEEN DETERMINED FOR USING AND SUPPORT PERSONNEL OF EACH GAINING COMMAND.
3. SUFFICIENT RESOURCES (PERSONNEL, FACILITIES, SUPPORT MATERIEL) HAVE BEEN PROGRAMMED TO BE AVAILABLE TO MEET NET REQUIREMENTS OF EACH GAINING COMMAND.

SOURCES:

1. AR 700-127
2. MIL-STD-1369
3. DA PAM 700-55
4. DA PAM 700-28

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E15.1A3B4	TRAINING SERVICES AND EQUIPMENT	ACRONYMS: TT - TECHNICAL TESTING SSP - SYSTEM SUPPORT PACKAGE IOT&E - INITIAL OPERATIONAL TEST AND EVALUATION EUT&E - EARLY USER TEST AND EXPERIMENTATION PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR THE FOLLOWING: 1. DEVELOPMENT, FABRICATION AND PREPARATION OF PRELIMINARY SSP TRAINING AND TRAINING DEVICE ELEMENTS FOR TT I/EUT&E BY MILESTONE I. 2. DEVELOPMENT/PREPARATION OF TRAINING SERVICE AND EQUIPMENT ELEMENTS FOR DELIVERY AT TT II AND IOT&E IN MILESTONE II. FUNDING MUST BE PLANNED TO COMPLETE TRAINING AND TRAINING DEVICE TASKS AS DESCRIBED IN DA PAM 700-28 AND MIL-STD-1388. AREAS TO BE ADRESSED INCLUDE THE FOLLOWING: 1. TRAINED PERSONNEL W/REPRESENTATIVE SKILLS AND APTITUDES 2. TRAINING DEVICES FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS SET FORTH IN DI-ILSS-80076 (TRAINING PROGRAM AND TRAINING EQUIPMENT PLAN) AND MIL-STD-001379 (MILITARY TRAINING PROGRAMS). MAINTENANCE TRAINING EQUIPMENT FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS SET FORTH IN DI-F-6125 (REPORT, COST, MAINTENANCE TRAINING EQUIPMENT) AND MIL-T-81821 (TRAINERS, MAINTENANCE EQUIPMENT AND SERVICES, GENERAL SPECIFICATIONS FOR). PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND DARCOM-P 700-10. THE FOLLOWING DIDS MAY PROVE USEFUL: 1. DI-V-7001 - MANUFACTURER COMMERCIAL MANUAL 2. DI-V-7003 - SHORT FORM PROVISIONING PARTS LIST 3. DI-V-7004 - LONG LEAD TIME ITEMS LIST 4. DI-V-7006 - INTERIM SUPPORT ITEMS LIST 5. DI-V-7009 - DESIGN CHANGES NOTICE DATA SOURCE: DA PAM 700-28, DA PAM 700-127, DI-ILSS-80076, DI-F-6125, MIL-STD-001379, MIL-T-81821, AR 700-18, MIL-STD-1561, DI-V-7001, DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7009

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E15.1A3B5	SUPPORT AND TEST EQUIPMENT	ACRONYMS: SSP - SYSTEM SUPPORT PACKAGE TT - TECHNICAL TESTING EUT&E - EARLY USER TEST AND EXPERIMENTATION IOT&E - INITIAL OPERATIONAL TEST AND EVALUATION TMDE - TEST, MEASUREMENT & DIAGNOSTIC EQUIPMENT PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR THE FOLLOWING: 1. FABRICATION AND DELIVERY OF PRELIMINARY SSP SUPPORT AND TEST EQUIPMENT ELEMENTS FOR TT I/EUT&E 2. DEVELOPMENT/PREPARATION OF SUPPORT AND TEST EQUIPMENT ELEMENTS FOR DELIVERY AT TT II AND IOT&E BY MILESTONE II. FUNDING MUST BE PLANNED TO COMPLETE SUPPORT EQUIPMENT AND TMDE TASKS AS DESCRIBED IN DA PAM 700-28, MIL-STD 1388 AND STATEMENT OF WORK (SOW). AREAS TO BE ADDRESSED INCLUDE THE FOLLOWING: 1. OTHER SUPPORT EQUIPMENT 2. CALIBRATION PROCEDURES AND EQUIPMENT 3. TRANSPORTATION AND MATERIAL HANDLING EQUIPMENT 4. MOBILE SUPPORT FACILITIES 5. SPECIAL AND COMMON TOOLS THE DELIVERY AND ORDERING OF SUPPORT ITEMS SHALL BE AS DESCRIBED IN MIL-STD-1561, CHAPTERS 5.8 AND 5.7, RESPECTIVELY. FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS ESTABLISHED BY DARCOM-P 700-10, CHAPTER 9, WHICH SHALL BE IN ACCORDANCE WITH MIL-STD-1561 AND AR 700-18. THE FOLLOWING DIDS MAY PROVE BENEFICIAL: 1. DI-V-7001 - MANUFACTURER COMMERCIAL MANUAL 2. DI-V-7003 - SHORT FORM PROVISIONING PARTS LIST 3. DI-V-7004 - LONG LEAD TIME ITEMS LIST 4. DI-V-7006 - INTERMEDIATE SUPPORT ITEMS LIST 5. DI-V-7007 - TOOLS AND TEST EQUIPMENT LIST 6. DI-V-7009 - DESIGN CHANGES NOTICE 7. DI-V-7011 - POST CONFERENCE LIST DATA SOURCE: DA PAM 700-28, DARCOM-P 700-10, AR 700-18, MIL-STD-1561, MIL-STD-1552, DI-V-7001, DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7007, DI-V-7009, DI-V-7011

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E15.1A3B6	TEST PROGRAM SETS	ACRONYMS: SSP - SYSTEM SUPPORT PACKAGE TT - TECHNICAL TESTING IOT&E - INITIAL OPERATIONAL TESTING AND EVALUATION PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED BY THE INDICATED MILESTONE FOR THE FOLLOWING: 1. DEVELOPMENT/PREPARATION OF APPROPRIATE TEST PROGRAM SETS ELEMENTS FOR DELIVERY AT TT II AND IOT&E BY MILESTONE II. 2. DEVELOPMENT OF THE REMAINING TEST PROGRAM SETS ELEMENTS REQUIRED TO MAINTAIN THE SYSTEM BY MILESTONE III. FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS WITHIN MIL-STD-2077 (TEST PROGRAM SETS, GENERAL REQUIREMENTS FOR). PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561 AND AR 700-18. A TEST PROGRAM SET CONSISTS OF THOSE ITEMS NECESSARY TO TEST A UNIT-UNDER TEST ON AUTOMATIC TEST EQUIPMENT. THE FOLLOWING DID: MAY PROVE BENEFICIAL: 1. DI-V-7001 - MANUFACTURER COMMERCIAL MANUAL 2. DI-V-7003 - SHORT FORM PROVISIONING PARTS LIST 3. DI-V-7004 - LONG LEAD TIME ITEMS LIST 4. DI-V-7006 - INTERMEDIATE SUPPORT ITEMS LIST 5. DI-V-7007 - TOOLS AND TEST EQUIPMENT LIST 6. DI-V-7009 - DESIGN CHANGE NOTICES 7. DI-V-7011 - POST CONFERENCE LIST DATA SOURCE: DA PAM 700-28, MIL-STD-1561, MIL-STD-2077, AR 700-18, DI-V-7001, DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7007, DI-V-7009, DI-V-7011 TPS PROCEDURES GUIDES ON TPS DEVELOPMENT PROCESS

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E15.1A3B7	REPAIR PARTS	ACRONYMS: SSP - SYSTEM SUPPORT PROGRAM TT - TECHNICAL TESTING EUT&E - EARLY USER TEST AND EXPERIMENTATION IOT&E - INITIAL OPERATIONAL TEST AND EVALUATION SAIP - SPARES ACQUISITION INTEGRATED WITH PRODUCTION PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR THE FOLLOWING: 1. TO IDENTIFY AND PROVIDE THE PRELIMINARY SSP REPAIR PARTS AND SPARES ELEMENTS FOR TT I/EUT&E BY MILESTONE I. 2. DEVELOPMENT/PREPARATION OF SSP REPAIR PARTS AND SPARES ELEMENTS FOR DELIVERY AT TT II AND IOT&E BY MILESTONE II. FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS WITHIN DI-V-1955 (REPAIR PARTS AND SUPPORT PLAN), AND AR 700-18, PARAGRAPH 8-2. THE PREPARATION OF REPAIR PARTS AND SPECIAL TOOLS LIST WILL BE IN ACCORDANCE WITH AR 310-3 AND MIL-M-63001, AND SUBJECT TO RESTRICTIONS IMPOSED BY AR 310-3 AND NATIONAL SECURITY REGULATIONS. PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, SUPPLYING REQUIREMENTS WITHIN DI-V-7002 (PROVISIONING PARTS LIST) AND DI-V-7005 (REPAIRABLE ITEMS LIST). OTHER APPLICABLE DIDs ARE AS FOLLOWS: 1. DI-V-7001 - MANUFACTURER COMMERCIAL MANUAL 2. DI-V-7004 - LONG LEAD TIME ITEMS LIST 3. DI-V-7009 - DESIGN CHANGE NOTICES 4. DI-V-7011 - POST CONFERENCE LIST 5. DI-V-7197 - RECOMMENDED SPARE PARTS LIST FOR SAIP 6. DI-V-7200 - CONTRACTOR PROCUREMENT SCHEDULE FOR SAIP DATA SOURCE: DA PAM 700-28, DI-V-1955, DI-V-7002, DI-V-7005, AR 700-18, DARCOM-P 700-10, AR 310-3, MIL-M-63001, AR 310-3, MIL-STD-1561, DI-V-7001, DI-V-7004, DI-V-7009, DI-V-7011, DI-V-7197, DI-V-7200
E15.1A3B8	CONSOLDTE FINDINGS INFORMTN	ACRONYMS: PROCESS: ASSEMBLE PROCESS FINDINGS AND CONSOLIDATE INTO A LEGIBLE REPORT. DATA SOURCE:
E15.1A4	CONSOLIDAT ILS/LSA MANAGEMENT /FUNDING FINDINGS	CONSOLIDATE THE FINDINGS OF THE ANALYSES OF ILS/LSA MANAGEMENT/FUNDING, LOGISTIC DEMONSTRATION REQUIREMENTS, AND SYSTEM SUPPORT PACKAGE REQUIREMENTS FOR INCORPORATION INTO THE FINAL REVIEW AND FINDINGS REPORT IN TASK E15.5.
E15.2	LOGISTIC- RELATED INVESTMT	ACRONYMS: PROCESS: ENSURE THAT ADEQUATE FUNDING HAS BEEN PROGRAMMED FOR LOGISTIC RELATED INVESTMENT. THESE TASKS ARE FURTHER DESCRIBED WITHIN THE EXPLOSION OF THIS PROCESS. DATA SOURCE: DA PAM 700-28

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E15.2A1	CATEGORIZE AND SEPARATE DATA	ACRONYMS: PROCESS: CATEGORIZE AND SEPARATE THE LOGISTIC-RELATED INVESTMENT DATA INTO THE APPROPRIATE LOGISTIC ELEMENTS AND PROCESSES ASSOCIATED WITH THE SYSTEM/EQUIPMENT. DATA SOURCE:
E15.2A2	INITIAL SPARES & REPAIR PARTS	ACRONYMS: DLA - DEFENSE LOGISTIC AGENCY SAIP - SPARES ACQUISITION INTEGRATED WITH PRODUCTION PROCESS: ENSURE ADEQUATE FUNDS HAVE BEEN PROGRAMMED BY AFFECTED MAJOR SUBORDINATE COMMANDS AND DLA FOR PROVISIONING OF INITIAL SPARES AND REPAIR PARTS ACCORDING TO AR 700-18. THIS PROCESS MUST ASSESS BOTH NEW AND DISPLACED SYSTEMS, AND NEED BE ACCOMPLISHED PRIOR TO MILESTONE III. FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS WITHIN DI-V-1955 (REPAIR PARTS AND SUPPORT PLAN), AND AR 700-18, PARAGRAPH 8-2. PREPARATION OF REPAIR PARTS AND SPECIAL TOOLS LIST WILL BE IN ACCORDANCE WITH AR 310-3 AND MIL-M-63001 AND SUBJECT TO RESTRICTIONS IMPOSED BY AR 310-3 AND NATIONAL SECURITY REGULATIONS. PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, SUPPLYING REQUIREMENTS IN DI-V-7002 (PROVISIONING PARTS LIST) DI-V-7005 (REPAIRABLE ITEMS LIST), DI-V-7200 (CONTRACTOR'S PROCUREMENT SCHEDULE FOR SAIP), AND DI-V-7197 (RECOMMENDED SPARE PARTS LIST FOR SAIP). OTHER DIDS WHICH MAY BE BENEFICIAL ARE: 1. DI-V-7001 - MANUFACTURER COMMERCIAL MANUAL 2. DI-V-7004 - LONG LEAD TIME ITEMS 3. DI-V-7009 - DESIGN CHANGE NOTICES 4. DI-V-7011 - POST CONFERENCE LIST DATA SOURCE: DA PAM 700-28, DI-V-1955, AR 700-18, AR 310-3, MIL-M-63001, MIL-STD-1561, DI-V-7002, DI-V-7005, DARCOM-P 700-10, DI-V-7200, DI-V-7197, DI-V-7001, DI-V-7004, DI-V-7009, DI-V-7011
E15.2A3	FACILITY ACTIVATION	ACRONYMS: LSA - LOGISTIC SUPPORT ANALYSIS FYDP - FIVE-YEAR DEFENSE PROGRAM PROCESS: ENSURE BUDGET ESTIMATES HAVE BEEN PREPARED FOR CONSTRUCTION OF NEW OR MODIFIED FACILITIES, AS DETERMINED BY LSA AND COORDINATED WITH GAINING COMMANDS, (ACCORDING TO AR 415-17, COST ESTIMATING PROCEDURES FOR FAMILY HOUSING) AND INCLUDED IN THE FYDP. THIS APPLIES TO BOTH NEW AND DISPLACED SYSTEMS. THE PROCESS MUST BE ACCOMPLISHED PRIOR TO THE MILESTONE III TIMEFRAME TO PROVIDE ADEQUATE TIME FOR IMPLEMENTATION OF THE FIVE-YEAR DEFENSE PROGRAM. DATA SOURCE: DA PAM 700-28, AR 415-17, MIL-STD-1561, AR 700-18, DARCOM-P 700-10, DI-V-7004

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E15.2A4	SPECIAL SUPPORT SERVICES	ACRONYMS: SSS - SYSTEM SUPPORT SERVICES MFP - MATERIEL FIELDING PLAN MTP - MATERIEL TRANSFER PLAN PROCESS: IF THE SYSTEM IS EXPECTED TO POSE AN EXCEPTIONAL OPERATIONAL OR LOGISTIC BURDEN ON THE USER, THE ANALYST MUST ENSURE THAT FUNDS HAVE BEEN PROGRAMMED TO ACCOMPLISH THE SSS AS DEFINED IN THE MFP OR MTP. THIS APPLIES TO BOTH THE NEW AND DISPLACED SYSTEMS. THE PROCESS NEED BE ACCOMPLISHED ONLY FOR THE MILESTONE III TIMEFRAME. PROVISIONING SHALL BE AS DESCRIBED IN MIL-STD-1561, AR 700-18 AND DARCOM-P 700-10. THE FOLLOWING DIDS MAY PROVE BENEFICIAL: 1. DI-V-7001 - MANUFACTURER COMMERCIAL MANUAL 2. DI-V-7003 - SHORT FORM PROVISIONING PARTS LIST 3. DI-V-7004 - LONG LEAD TIME ITEMS LIST 4. DI-V-7006 - INTERMEDIATE SUPPORT ITEMS LIST 5. DI-V-7007 - TOOLS AND TEST EQUIPMENT LIST 6. DI-V-7009 - DESIGN CHANGE NOTICES 7. DI-V-7011 - POST CONFERENCE LIST DATA SOURCE: DA PAM 700-28, AR 700-18, MIL-STD-1561, DI-V-7001, DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7007, DI-V-7009, DI-V-7011 DARCOM-P 700-10
E15.2A5	TECHNICAL ASSISTANCE	ACRONYMS: PROCESS: ENSURE ADEQUATE FUNDS HAVE BEEN PROGRAMMED AS NECESSARY TO PROVIDE TECHNICAL ASSISTANCE TO THE GAINING COMMAND FOR INITIAL FIELDING AND POST DEPLOYMENT, ACCORDING TO AR 700-4 AND AR 750-4. THIS APPLIES TO BOTH THE NEW AND DISPLACED SYSTEMS. THE PROCESS NEEDS TO BE COMPLETED ONLY FOR THE MILESTONE III TIMEFRAME. DATA SOURCE: DA PAM 700-28, MIL-STD-1561, AR 700-18, DARCOM-P 700-10, AR 700-4, AR 750-4, DI-V-7000 DI-V-7009

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E15.2A6	TRANSPRTN- 1st & 2nd DESTINAT'N	ACRONYMS: CONUS - CONTINENTAL UNITED STATES TARDF - TOTAL ARMY EQUIPMENT DISTRIBUTION PLAN PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR 1st AND 2nd DESTINATION TRANSPORTATION COSTS OF MOVING THE SYSTEM AND ASSOCIATED EQUIPMENT AND SUPPLIES TO A CONUS DEPOT, OR OTHER POINT OF GOVERNMENT ACCEPTANCE, IF EITHER A NEW OR DISPLACED SYSTEM. FOR A DISPLACED SYSTEM, THE ANALYST MUST ENSURE FUNDS HAVE BEEN PROGRAMMED FOR TRANSPORTING IT TO ITS NEW USING UNIT. DISTRIBUTION FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS ESTABLISHED IN DARCOM-P 700-10, CHAPTER 3.8 (DISTRIBUTION PLANNING). THE BASIS OF ISSUE PLAN, ADDRESSED IN AR 71-2 AND THE TOTAL ARMY EQUIPMENT DISTRIBUTION PLAN (TARDF) PROVIDE INITIAL ESTIMATES CONCERNING THE PLANNED PLACEMENT. DELIVERY SCHEDULES SHALL BE AS DESCRIBED IN MIL-STD-1561. DI-L-6149 (TRANSPORTATION PLAN) AND DI-L-6148 (TRANSPORTABILITY EVALUATION PLAN/REPORT) MAY BE BENEFICIAL. DATA SOURCE: DA PAM 700-28, AR 71-2, DARCOM-P 700-10, AR 700-18 MIL-STD-1561, AR 70-44, AR 70-47, DI-L-6148, DI-L-6149
E15.2A6B1	END ITEM OR SYSTEM	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PDSS - POST-DEVELOPMENT SOFTWARE SUPPORT PROCESS: ENSURE THAT FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF ITEMS TO MEET END ITEM AAO (E.G., UNIT EQUIPMENT, TRAINING EQUIPMENT, MAINTENANCE FLOAT, PDSS EQUIPMENT, AND WAR RESERVES). THIS PROCESS SHOULD BE ACCOMPLISHED IN MILESTONE III AND MILESTONE II FOR LONG LEAD TIME ITEMS. IN MILESTONE II, THE ANALYST MUST ENSURE THAT PLANS HAVE BEEN ESTABLISHED TO OBTAIN NECESSARY FUND APPROVAL PRIOR TO OBLIGATION FOR LONG LEAD TIME ITEMS MENTIONED ABOVE. PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND DARCOM 700-10. THE FOLLOWING DIDS MAY PROVE USEFUL: 1. DI-V-7001 - MANUFACTURER'S COMMERCIAL MANUAL 2. DI-V-7002 - PROVISIONING PARTS LIST 3. DI-V-7004 - LONG LEAD TIME ITEMS 4. DI-V-7009 - DESIGN CHANGE NOTICES DATA SOURCE: DA PAM 700-28, DARCOM-P 700-10, MIL-STD-1561, AR 700-18, DI-V-7001, DI-V-7002, DI-V-7004, DI-V-7009

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Name	Label	Description
E15.2A6B2	AMMUNITION	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PROCESS: ENSURE THAT FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF SUFFICIENT AMMUNITION TO MEET THE AAO (E.G., BASIC LOAD AND WAR RESERVES). THIS PROCESS SHALL BE ACCOMPLISHED IN MILESTONE III. THE ANALYST MUST ALSO MAKE CERTAIN THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF LONG LEAD TIME ITEMS FOR AMMUNITION. PLANS MUST BE ESTABLISHED TO OBTAIN NECESSARY FUND APPROVAL PRIOR TO OBLIGATION FOR THE LONG LEAD TIME ITEMS WITHIN MILESTONE II. SUPPORT ITEMS WILL BE PROCURED FOR WAR RESERVE OR MOBILIZATION STOCKS IN ACCORDANCE WITH DOD INSTRUCTION 4140.42, AR 11-11 AR 710-1 AND DI-MISC-80060. PROVISIONING WILL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND DARCOM-P 700-10. DI-V-7008 (COMMON AND BULK ITEM LIST) MAY BE BENEFICIAL. DATA SOURCE: DA PAM 700-28, MIL-STD-1561, DARCOM-P 700-10, AR 700-18, AR 11-11, AR 710-1, DI-MISC-80060 DOD INSTRUCTION 4140.42, DI-V-7008
E15.2A6B3	SUPPORT AND TEST EQUIPMENT	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PDSS - POST-DEPLOYMENT SOFTWARE SUPPORT PROCESS: ENSURE THAT FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF ENOUGH COMMON AND SYSTEM-PECULIAR SUPPORT AND TEST EQUIPMENT TO MEET THE AAO (E.G., UNIT, TRAINING, AND PDSS EQUIPMENT) FOR SYSTEM OPERATION AND SUPPORT WITHIN MILESTONE III. IN MILESTONE II, THE ANALYST MUST MAKE CERTAIN THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF LONG LEAD TIME ITEMS FOR SUPPORT AND TEST EQUIPMENT. PLANS MUST ALSO HAVE BEEN ESTABLISHED TO OBTAIN FUND APPROVAL PRIOR TO OBLIGATION FOR THESE ITEMS. PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND DARCOM-P 700-10. THE FOLLOWING DIDS MAY PROVE USEFUL: 1. DI-V-7001 - MANUFACTURER'S COMMERCIAL MANUAL 2. DI-V-7002 - PROVISIONING PARTS LIST 3. DI-V-7003 - SHORT FORM PROVISIONING PARTS LIST 4. DI-V-7004 - LONG LEAD TIME ITEMS LIST 5. DI-V-7006 - INTERIM SUPPORT ITEMS LIST 6. DI-V-7007 - TOOLS AND TEST EQUIPMENT 7. DI-V-7009 - DESIGN CHANGE NOTICES DATA SOURCE: DA PAM 700-28, MIL-STD-1552, MIL-STD-1561, AR 700-18, DARCOM-P 700-10, DI-V-7001, DI-V-7002, DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7007, DI-V-7009

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E15.2A6B4	TRAINING DEVICES	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PROCESS: ENSURE THAT FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF ENOUGH COMMON AND SYSTEM-PECULIAR TRAINING DEVICES TO MEET THE AAO (THAT IS, INITIAL AND SUSTAINMENT INSTITUTIONAL AND UNIT TRAINING OF OPERATOR AND SUPPORT PERSONNEL) WITHIN MILESTONE III. IN MILESTONE II, ADEQUATE FUNDS MUST BE PROGRAMMED FOR PROCUREMENT OF LONG LEAD TIME ITEMS FOR TRAINING DEVICES. ESTABLISH PLANS TO OBTAIN NECESSARY FUND APPROVAL PRIOR TO OBLIGATION FOR LONG LEAD TIME ITEMS. FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS SET FORTH IN DI-ILSS-80076 (TRAINING PROGRAM AND TRAINING EQUIPMENT PLAN) AND MIL-STD-001379 (MILITARY TRAINING PROGRAMS.) MAINTENANCE TRAINING EQUIPMENT FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS SET FORTH IN DI-F-6125 (REPORT, COST, MAINTENANCE TRAINING EQUIPMENT) AND MIL-T-81821 (TRAINERS, MAINTENANCE EQUIPMENT AND SERVICES, GENERAL SPECIFICATIONS FOR). PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND DARCOM-P 700-10. THE FOLLOWING DIDS MAY BE USEFUL: 1. DI-V-7001 - MANUFACTURER'S COMMERCIAL MANUAL 2. DI-V-7003 - SHORT FORM PROVISIONING PARTS LIST 3. DI-V-7004 - LONG LEAD TIME ITEMS LIST 4. DI-V-7006 - INTERIM SUPPORT ITEMS LIST 5. DI-V-7007 - TOOLS AND TEST EQUIPMENT LIST 6. DI-V-7009 - DESIGN CHANGE NOTICES 7. DI-V-7011 - POST CONFERENCE LIST DATA SOURCE: DA FAM 700-28, MIL-STD-1561, DARCOM-P 700-10, AR 700-18, DI-ILSS-80076, MIL-STD-001379, DI-F-6125, MIL-T-81821, DI-V-7001, DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7007, DI-V-7009, DI-V-7011

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E15.2A6B5	TECHNICAL PROGRAM SETS	ACRONYMS: TPS - TEST PROGRAM SETS ATE - AUTOMATIC TEST EQUIPMENT PDSS - POST-DEPLOYMENT SOFTWARE SUPPORT PROCESS: ENSURE THAT FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF ENOUGH TPS, ATE INTERCONNECTION DEVICES, LOAD MODULES (TAPE AND PROGRAM), AND EQUIPMENT PUBLICATIONS TO SATISFY SUPPORT UNIT (INCLUDING PDSS SITE) AND TRAINER REQUIREMENTS. THIS PROCESS NEED ONLY BE ACCOMPLISHED WITHIN MILESTONE III. REQUIREMENTS ESTABLISHED IN MIL-STD-2077 SHALL BE FOLLOWED. PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND DARCOM-P 700-10. A TEST PROGRAM CONSISTS OF THOSE ITEMS NECESSARY TO TEST A UNIT-UNDER-TEST ON ATE. THE FOLLOWING DIDS MAY PROVE USEFUL: 1. DI-V-7001 - MANUFACTURER'S COMMERCIAL MANUAL 2. DI-V-7003 - SHORT FORM PROVISIONING PARTS LIST 3. DI-V-7004 - LONG LEAD TIME ITEMS LIST 4. DI-V-7006 - INTERIM SUPPORT ITEMS LIST 5. DI-V-7007 - TOOLS AND TEST EQUIPMENT LIST 6. DI-V-7009 - DESIGN CHANGE NOTICES 7. DI-V-7011 - POST CONFERENCE LIST DATA SOURCE: DA PAM 700-28, MIL-STD-1561, DARCOM-P 700-10, AR 700-18, MIL-STD-2077, DI-V-7001, DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7007, DI-V-7009, DI-V-7011
E15.2A6B6	SEPARATE & DISTRBT PROC FNDG DATA	ACRONYMS: PROCESS: THE ANALYST SHALL RECEIVE THE PROCUREMENT FUNDING DATA, SEPARATE IT INTO THE APPROPRIATE CATEGORIES AND DISTRIBUTE IT TO THE APPROPRIATE TASKS FOR FURTHER EVALUATION. DATA SOURCE:
E15.2A6B7	CONSOLDTE FINDINGS INFORMTN	ACRONYMS: PROCESS: ASSEMBLE FINDINGS OF THE OTHER PROCESSES INTO ONE LEGIBLE REPORT FOR SUBMITTAL. DATA SOURCE:
E15.2A7	PROCUREMENT	ACRONYMS: PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR THE PROCUREMENT OF MATERIEL IN SUPPORT OF THE ARMY'S ACQUISITION OBJECTIVE. FUNDS MUST BE PROGRAMMED EARLY FOR ITEMS WITH LONG LEAD TIMES. THIS PROCESS IS DETAILED FURTHER IN THE EXPLOSION GRAPH. DATA SOURCE: DA PAM 700-28, MIL-STD-1561, AR 700-18, AR 11-11, AR 710-1, DARCOM-P 700-10, MIL-STD-1552, MIL-STD-2077, MIL-STD-001379, MIL-T-81821, DI-F-6125, DI-ILSS-80076, DOD INSTRUCTION 4140.42, DI-V-7000, DI-V-7001, DI-V-7002, DI-V-7004, DI-V-7006, DI-V-7007, DI-V-7009

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E15.2A7B1	SEPARATE & DISTRBT PROC FNDG DATA	ACRONYMS: PROCESS: SEPARATE THE PROCUREMENT FUNDING DATA INTO THE APPROPRIATE CATEGORIES AND DISTRIBUTE IT TO THE APPROPRIATE TASKS FOR FURTHER EVALUATION. DATA SOURCE:
E15.2A7B2	END ITEM OR SYSTEM	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PDSS - POST-DEVELOPMENT SOFTWARE SUPPORT PROCESS: ENSURE THAT FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF ITEMS TO MEET END ITEM AAO (E.G., UNIT EQUIPMENT, TRAINING EQUIPMENT, MAINTENANCE FLOAT, PDSS EQUIPMENT, AND WAR RESERVES). THIS PROCESS SHOULD BE ACCOMPLISHED BY MILESTONE III AND MILESTONE II FOR LONG LEAD TIME ITEMS. FOR MILESTONE II, THE ANALYST MUST ENSURE THAT PLANS HAVE BEEN ESTABLISHED TO OBTAIN NECESSARY FUND APPROVAL PRIOR TO OBLIGATION FOR LONG LEAD TIME ITEMS MENTIONED ABOVE. PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND DARCOM 700-10. THE FOLLOWING DIDS MAY PROVE USEFUL: 1. DI-V-7001 - MANUFACTURER'S COMMERCIAL MANUAL 2. DI-V-7002 - PROVISIONING PARTS LIST 3. DI-V-7004 - LONG LEAD TIME ITEMS 4. DI-V-7009 - DESIGN CHANGE NOTICES DATA SOURCE: DA FAM 700-28, DARCOM-P 700-10, MIL-STD-1561, AR 700-18, DI-V-7001, DI-V-7002, DI-V-7004, DI-V-7009
E15.2A7B3	AMMUNITION	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PROCESS: ENSURE THAT FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF SUFFICIENT AMMUNITION TO SATISFY THE OBJECTIVES OF THE AAO (E.G., BASIC LOAD AND WAR RESERVES). THIS PROCESS SHALL BE ACCOMPLISHED BY MILESTONE III. THE ANALYST MUST ALSO MAKE CERTAIN THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF LONG LEAD TIME ITEMS FOR AMMUNITION. PLANS MUST BE ESTABLISHED TO OBTAIN NECESSARY FUND APPROVAL PRIOR TO OBLIGATION FOR THE LONG LEAD TIME ITEMS WITHIN MILESTONE II. SUPPORT ITEMS WILL BE PROCURED FOR WAR RESERVE OR MOBILIZATION STOCKS IN ACCORDANCE WITH DOD INSTRUCTION 4140.42, AR 11-11 AR 710-1 AND DI-MISC-80060. PROVISIONING WILL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND DARCOM-P 700-10. DI-V-7008 (COMMON AND BULK ITEM LIST) MAY BE BENEFICIAL. DATA SOURCE: DA FAM 700-28, MIL-STD-1561, DARCOM-P 700-10, AR 700-18, AR 11-11, AR 710-1, DI-MISC-80060 DOD INSTRUCTION 4140.42, DI-V-7008

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E15.2A7B4	SUPPORT AND TEST EQUIPMENT	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PDSS - POST-DEPLOYMENT SOFTWARE SUPPORT
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PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR
PROCUREMENT OF ENOUGH COMMON AND SYSTEM-PECULIAR SUPPORT AND TEST
EQUIPMENT TO MEET THE AAO (E.G., UNIT, TRAINING, AND PDSS EQUIPMENT)
FOR SYSTEM OPERATION AND SUPPORT BY MILESTONE III.
FOR MILESTONE II, THE ANALYST MUST MAKE CERTAIN THAT ADEQUATE FUNDS HAVE
BEEN PROGRAMMED FOR PROCUREMENT OF LONG LEAD TIME ITEMS FOR SUPPORT AND
TEST EQUIPMENT. PLANS MUST ALSO HAVE BEEN ESTABLISHED TO OBTAIN FUND
APPROVAL PRIOR TO OBLIGATION FOR THESE ITEMS.
PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND
DARCOM-P 700-10. THE FOLLOWING DIDS MAY PROVE USEFUL:

1. DI-V-7001 - MANUFACTURER'S COMMERCIAL MANUAL
2. DI-V-7002 - PROVISIONING PARTS LIST
3. DI-V-7003 - SHORT FORM PROVISIONING PARTS LIST
4. DI-V-7004 - LONG LEAD TIME ITEMS LIST
5. DI-V-7006 - INTERIM SUPPORT ITEMS LIST
6. DI-V-7007 - TOOLS AND TEST EQUIPMENT
7. DI-V-7009 - DESIGN CHANGE NOTICES

DATA SOURCE: DA PAM 700-28, MIL-STD-1552, MIL-STD-1561,
AR 700-18, DARCOM-P 700-10, DI-V-7001, DI-V-7002,
DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7007,
DI-V-7009

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Name	Label	Description
E15.2A7B5	TRAINING DEVICES	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF ENOUGH COMMON AND SYSTEM-PECULIAR TRAINING DEVICES TO MEET THE AAO (THAT IS, INITIAL AND SUSTAINMENT INSTITUTIONAL AND UNIT TRAINING OF OPERATOR AND SUPPORT PERSONNEL) BY MILESTONE III. FOR MILESTONE II, ADEQUATE FUNDS MUST BE PROGRAMMED FOR PROCUREMENT OF LONG LEAD TIME ITEMS FOR TRAINING DEVICES. ESTABLISH PLANS TO OBTAIN NECESSARY FUND APPROVAL PRIOR TO OBLIGATION FOR LONG LEAD TIME ITEMS. FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS SET FORTH IN DI-ILSS-80076 (TRAINING PROGRAM AND TRAINING EQUIPMENT PLAN) AND MIL-STD-001379 (MILITARY TRAINING PROGRAMS.) MAINTENANCE TRAINING EQUIPMENT FUNDING SHALL BE PROGRAMMED TO MEET REQUIREMENTS SET FORTH IN DI-F-6125 (REPORT, COST, MAINTENANCE TRAINING EQUIPMENT) AND MIL-T-81821 (TRAINERS, MAINTENANCE EQUIPMENT AND SERVICES, GENERAL SPECIFICATIONS FOR). PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND DARCOM-P 700-10. THE FOLLOWING DIDS MAY BE USEFUL: 1. DI-V-7001 - MANUFACTURER'S COMMERCIAL MANUAL 2. DI-V-7003 - SHORT FORM PROVISIONING PARTS LIST 3. DI-V-7004 - LONG LEAD TIME ITEMS LIST 4. DI-V-7006 - INTERIM SUPPORT ITEMS LIST 5. DI-V-7007 - TOOLS AND TEST EQUIPMENT LIST 6. DI-V-7009 - DESIGN CHANGE NOTICES 7. DI-V-7011 - POST CONFERENCE LIST DATA SOURCE: DA PAM 700-28, MIL-STD-1561, DARCOM-P 700-10, AR 700-18, DI-ILSS-80076, MIL-STD-001379, DI-F-6125, MIL-T-81821, DI-V-7001, DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7007, DI-V-7009, DI-V-7011

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Name	Label	Description
E15.2A7B6	TEST PROGRAM SETS	ACRONYMS: TPS - TEST PROGRAM SETS ATE - AUTOMATIC TEST EQUIPMENT PDSS - POST-DEPLOYMENT SOFTWARE SUPPORT PROCESS: ENSURE THAT FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF ENOUGH TPS, ATE INTERCONNECTION DEVICES, LOAD MODULES (TAPE AND PROGRAM), AND EQUIPMENT PUBLICATIONS TO SATISFY SUPPORT UNIT (INCLUDING PDSS SITE) AND TRAINER REQUIREMENTS. THIS PROCESS SHOULD BE ACCOMPLISHED PRIOR TO MILESTONE III. REQUIREMENTS ESTABLISHED IN MIL-STD-2077 SHALL BE FOLLOWED. PROVISIONING SHALL BE IN ACCORDANCE WITH MIL-STD-1561, AR 700-18, AND DARCOM-P 700-10. A TEST PROGRAM CONSISTS OF THOSE ITEMS NECESSARY TO TEST A UNIT-UNDER-TEST ON ATE. THE FOLLOWING DIDS MAY PROVE USEFUL: 1. DI-V-7001 - MANUFACTURER'S COMMERCIAL MANUAL 2. DI-V-7003 - SHORT FORM PROVISIONING PARTS LIST 3. DI-V-7004 - LONG LEAD TIME ITEMS LIST 4. DI-V-7006 - INTERIM SUPPORT ITEMS LIST 5. DI-V-7007 - TOOLS AND TEST EQUIPMENT LIST 6. DI-V-7009 - DESIGN CHANGE NOTICES 7. DI-V-7011 - POST CONFERENCE LIST DATA SOURCE: DA PAM 700-28, MIL-STD-1561, DARCOM-P 700-10, AR 700-18, MIL-STD-2077, DI-V-7001, DI-V-7003, DI-V-7004, DI-V-7006, DI-V-7007, DI-V-7009, DI-V-7011
E15.2A7B7	CONSOLDTE FINDINGS INFORMTN	ACRONYMS: PROCESS: ASSEMBLE FINDINGS OF THE OTHER PROCESSES INTO ONE LEGIBLE REPORT FOR SUBMITTAL. DATA SOURCE:
E15.2A8	CONSOLIDTE FINDINGS REPORT	ACRONYMS: PROCESS: ASSEMBLE FINDINGS DATA INTO A LEGIBLE FINAL REPORT. DATA SOURCE:
E15.3	LOGISTIC- RELATED OPERATION & SUPPORT	ACRONYMS: PROCESS: ENSURE THAT ADEQUATE FUNDING HAS BEEN PROGRAMMED FOR LOGISTIC-RELATED OPERATIONS AND SUPPORT. THESE TASKS ARE FURTHER DESCRIBED WITHIN THE EXPLOSION OF THIS PROCESS. DATA SOURCE: DA PAM 700-28

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E15.3A1	LOGISTIC-RELATED OPERATION	ACRONYMS: PROCESS: ENSURE THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR THE PROCUREMENT OF LOGISTIC-RELATED OPERATIONS ITEMS. THE FOLLOWING ARE CATEGORIES OF POSSIBLE LOGISTIC-RELATED ITEMS REQUIRED FOR SYSTEM OPERATION: - REPLENISHMENT SPARES - PETROLEUM OILS AND LUBRICANTS - TRAINING AMMUNITION - POST-DEPLOYMENT SOFTWARE SUPPORT - DEPOT MAINTENANCE - CONTRACT MAINTENANCE - FACILITIES MAINTENANCE & UTILITIES THESE CATEGORIES ARE FURTHER EXPLAINED IN THE EXPLOSION OF THIS PROCESS. DATA SOURCE: DA PAM 700-28
E15.3A1B1	SEPARATE DISTRIBUT OPERATION PROC DATA	ACRONYMS: MATDEV - MATERIEL DEVELOPER CBTDEV - COMBAT DEVELOPER PROCESS: SEPARATE AND DISTRIBUTE OPERATION PROCUREMENT DATA OBTAINED FROM THE ACQUIRING ACTIVITY FILE INTO THE APROPRIATE PROCESS FOR FURTHER ANALYSIS. DATA SOURCE: ACQUIRING ACTIVITY FILE
E15.3A1B2	REPLNSHMT SPARES	ACRONYMS: IPT - INITIAL PRODUCTION TESTING FOT&E - FOLLOW-ON OPERATIONAL TEST AND EVALUATION LSA - LOGISTIC SUPPORT ANALYSIS TT - TECHNICAL TEST IOT&E - INITIAL OPERATION TEST AND EVALUATION PROCESS: ENSURE THAT, FOR MILESTONE III, ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF ENOUGH REPLENISHMENT SPARES CONSISTENT WITH THE RESULTS OF LSA, TT II, AND IOT&E, AS WELL AS EXPECTED GROWTH/FIXES AND "GET WELL PLANS". THE ANALYST MUST MAKE SURE THAT PROGRAMMED FUNDS FOR REPLENISHMENT SPARES HAVE BEEN ADJUSTED, AS NECESSARY, CONSISTENT WITH THE RESULTS OF IPT (AND FOT&E, IF SCHEDULED) WITHIN THE FIRST UNIT EQUIPPED TIMEFRAME. DATA SOURCE: DA PAM 700-28
E15.3A1B3	PETROLEUM OILS AND LUBRICANT	ACRONYMS: POL - PETROLEUM. OILS AND LUBRICANTS PROCESS: ENSURE THAT THERE ARE ENOUGH FUNDS PROGRAMMED BY MILESTONE III FOR THE PROCUREMENT OF POL REQUIRED FOR OPERATION OF THE SYSTEM AND ASSOCIATED SUPPORT AND TEST EQUIPMENT, INCLUDING INITIAL DEPLOYMENT, TRAINING, AND WAR RESERVE. THE ANALYST MUST ALSO MAKE CERTAIN THAT ADEQUATE FUNDS HAVE BEEN PROGRAMMED FOR PROCUREMENT OF POL REQUIREMENTS MENTIONED ABOVE, EXCLUDING INITIAL DEPLOYMENT, FOR THE FIRST UNIT EQUIPPED TIME FRAME. DATA SOURCE: DA PAM 700-28

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Name	Label	Description
E15.3A1B4	TRAINING AMMUNITN	ACRONYMS: PROCESS: ENSURE THAT THERE ARE ENOUGH FUNDS PROGRAMMED FOR PROCUREMENT OF AMMUNITION AND MISSILES TO BE CONSUMED DURING UNIT TRAINING EXERCISES DURING THE FIRST UNIT EQUIPPED AND MILESTONE III TIME FRAMES. DATA SOURCE: DA PAM 700-28
E15.3A1B5	POST DEPLOYMENT SOFTWARE SUPPORT	ACRONYMS: PROCESS: ENSURE THAT THERE ARE ENOUGH FUNDS PROGRAMMED FOR PERSONNEL AND OTHER COSTS ASSOCIATED WITH MAINTENANCE OF COMPUTER SOFTWARE REQUIRED FOR SYSTEM OPERATION AND MAINTENANCE WITHIN THE FIRST UNIT EQUIPPED AND MILESTONE III TIME FRAMES. DATA SOURCE: DA PAM 700-28
E15.3A1B6	DEPOT MAINTENCE	ACRONYMS: MACOM - MAJOR ARMY COMMAND PROCESS: ENSURE THAT, BY MILESTONE III, ENOUGH FUNDS ARE PROGRAMMED FOR THE ANTICIPATED LABOR, MATERIEL AND TRANSPORTATION COSTS ASSOCIATED WITH DEPOT LEVEL MAINTENANCE FOR THE SYSTEM; ALSO, IF APPROPRIATE, ENSURE THAT FUNDS HAVE BEEN PROGRAMMED TO PERFORM DEPOT LEVEL REFURBISHMENT FOR ACHIEVING TM-10/TM-20 MATERIEL CONDITION TRANSFER STANDARDS OF THE DISPLACED SYSTEM PRIOR TO ISSUE TO THE GAINING MACOM. DATA SOURCE: DA PAM 700-28
E15.3A1B7	CONTRACT MAINTENCE	ACRONYMS: PROCESS: ENSURE THAT, BY MILESTONE III, THERE ARE ENOUGH FUNDS PROGRAMMED FOR THE ANTICIPATED LABOR, MATERIEL, AND TRANSPORTATION COSTS ASSOCIATED WITH INTERIM OR LIFE CYCLE CONTRACTOR SUPPORT, IF APPLICABLE. DATA SOURCE: DA PAM 700-28
E15.3A1B8	FACILITIES MAINTENCE AND UTILITIES	ACRONYMS: PROCESS: ENSURE THAT ENOUGH FUNDS HAVE BEEN PROGRAMMED FOR THE COST OF MAINTENANCE AND UTILITIES ASSOCIATED WITH THE NEW OR MODIFIED FACILITIES WITHIN THE FIRST UNIT EQUIPPED OR MILESTONE III TIME FRAMES. DATA SOURCE: DA PAM 700-28
E15.3A1B9	ASSEMBLE LIST OF OPERATION PROC DISC	ACRONYMS: PROCESS: ASSEMBLE LISTING OF LOGISTICS-RELATED OPERATIONS PROCUREMENT DATA FROM EACH OF THE ABOVE ANALYSES FOR INPUT TO PROCESS E15.3A2.

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Name	Label	Description
E15.3A2	LOGISTIC- RELATED SUPPORT	ACRONYMS: PROCESS: ENSURE THAT ADEQUATE FUNDING HAS BEEN PROGRAMMED FOR THE COSTS OF LOGISTIC-RELATED ITEMS FOR SYSTEM SUPPORT MAINTENANCE. THE FOLLOWING ARE AREAS OF CONSIDERATION: - MILITARY PERSONNEL - PERSONNEL REPLACEMENTS - REPLENISHMENT SPARES - POST-DEPLOYMENT SOFTWARE SUPPORT - DEPOT MAINTENANCE - CONTRACT MAINTENANCE - FACILITIES MAINTENANCE & UTILITIES - CONSUMABLES THESE CATEGORIES ARE FURTHER EXPLAINED IN THE EXPLOSION FOR THIS PROCESS. DATA SOURCE: DA PAM 700-28, CPR 950-11
E15.3A2B1	MILITARY PERSONNEL	ACRONYMS: PROCESS: ENSURE THAT, WHEN APPLICABLE, SUFFICIENT FUNDS ARE AVAILABLE FOR PAY AND ALLOWANCES FOR THE ADDITIONAL OR HIGHER GRADE CREW AND SUPPORT PERSONNEL REQUIRED FOR OPERATION AND SUPPORT OF THE SYSTEM AND ASSOCIATED ITEMS. THIS PROCESS MUST BE ACCOMPLISHED WITHIN THE FIRST UNIT EQUIPPED AND MILESTONE III TIMEFRAMES. DATA SOURCE: DA PAM 700-28
E15.3A2B2	PERSONNEL REPLACMNTS	ACRONYMS: PROCESS: IF APPLICABLE, ENSURE SUFFICIENT FUNDS PROGRAMMED FOR TRAINING REPLACEMENTS FOR THE ADDITIONAL PERSONNEL REQUIRED FOR OPERATION AND SUPPORT OF THE SYSTEM AND ASSOCIATED ITEMS. THIS PROCESS NEED ONLY BE COMPLETED FOR THE FIRST UNIT EQUIPPED AND MILESTONE III TIMEFRAMES. DATA SOURCE: DA PAM 700-28
E15.3A3	CONSOL OPS/SUP'RT DATA	CONSOLIDATE THE FINDINGS OF THE LOGISTICS-RELATED OPERATIONS AND THE SUBSEQUENT SUPPORT REQUIREMENTS. FORWARD CONSOLIDATION TO AN OVERALL CONSOLIDATION OF THE TASK FINDING FOR E15.5
E15.4	COST ANALYSIS DOCMNTTN	ACRONYMS: PROCESS: ENSURE THAT THE NECESARRY PAPERS HAVE BEEN PREPARED IN ACCORDANCE WITH THE APPROPRIATE DOCUMENTATION. THESE TASKS ARE FURTHER DESCRIBED WITHIN THE EXPLOSIONS OF THIS PROCESS. DATA SOURCE: DA PAM 700-28

Name	Label	Description
E15.4A1	MATERIEL SYSTEM REQUIREMENT SPECIFCTN	ACRONYMS: MSRS - MATERIEL SYSTEM REQUIREMENT SPECIFICATION MDR - MILESTONE DECISION REVIEW D&V - DEMONSTRATION AND VALIDATION IPCE - INDEPENDENT PARAMETRIC COST ESTIMATES BCE - BASELINE COST ESTIMATE TT - TECHNICAL TEST IOT&E - INITIAL OPERATIONAL TEST AND EVALUATION PROCESS: ENSURE THAT AN MSRS HAS BEEN PREPARED ACCORDING TO AR 11-18 AND AR 71-9 TO PROVIDE DATA TO SUPPORT THE IPCE AND BCE. THE ANALYST MUST ASCERTAIN THAT MILESTONES HAVE BEEN ESTABLISHED TO UPDATE THE MSRS IN A TIMELY MANNER PRIOR TO MDR II AND TO PROVIDE THE UPDATED DOCUMENT TO THE ORGANIZATION RESPONSIBLE FOR THE IPCE. THESE TASKS MUST BE ACCOMPLISHED IN MILESTONE I. MILESTONES II AND III REQUIRE THAT THE MSRS BE UPDATED WITH THE RESULTS OF D&V PHASE ACTIVITIES, TT II/IOT&E, AND THE LATEST PROGRAM REQUIREMENTS, RESPECTIVELY. MILESTONE II ALSO REQUIRES THAT MILESTONES HAVE BEEN ESTABLISHED TO UPDATE THE MSRS IN A TIMELY MANNER PRIOR TO MDR III AND TO PROVIDE THE UPDATED DOCUMENT TO THE ORGANIZATION RESPONSIBLE FOR THE IPCE. THE PURPOSE OF THE MSRS IS TO RECORD IN ONE PLACE THE MINIMUM INFORMATION REQUIRED BEFORE COST ESTIMATING AND COST ANALYSIS CAN TAKE PLACE. THE MSRS SHALL BE ACCOMPLISHED IN THE FORMAT SPECIFIED IN AR 11-18, "THE COST ANALYSIS PROGRAM", APPENDIX A, UNLESS OTHERWISE INSTRUCTED, AND SHALL BE PROVIDED IN A TIMELY MANNER AS DESCRIBED IN AR 71-9, CHAPTER 3-26. DATA SOURCE: DA PAM 700-28, AR 11-18, AR 71-9

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E15.4A2	COEA/CTEA COST AND OP/TRNG EFFNS ANA	ACRONYMS: COEA - COST AND OPERATIONAL EFFECTIVENESS ANALYSIS CTEA - COST AND TRAINING EFFECTIVENESS ANALYSIS DAP - DESIGNATED ACQUISITION PROGRAM IPR - IN-PROCESS REVIEW O&O - OPERATIONAL AND ORGANIZATIONAL TT - TECHNICAL TEST EUT&E - EARLY USER TEST AND EXPERIMENTATION IOT&E - INITIAL OPERATIONAL TEST AND EVALUATION HQDA - HEADQUARTERS, DEPARTMENT OF THE ARMY PROCESS: ENSURE THAT A COEA/CTEA HAS BEEN PREPARED (MAJOR AND DAP SYSTEMS ONLY) TO DOCUMENT EVALUATION OF ALTERNATIVE SYSTEM AND TRAINING CONCEPTS AS DESCRIBED IN AR 71-9, CHAPTER 10. THIS ARMY REGULATION PROVIDES A MILESTONE-BY-MILESTONE DESCRIPTION OF WHAT SHALL BE ADDRESSED. THE ANALYST MUST MAKE CERTAIN THAT A COST-BENEFIT ANALYSIS IS CONDUCTED (FOR IPR PROGRAMS) ACCORDING TO AR 71-9 FOR MILESTONE I. MILESTONE II REQUIRES THAT THE ANALYST MAKE SURE THE COEA/CTEA IS UPDATED, AS REQUIRED, TO REFLECT THE CURRENT O&O PLAN, THREAT, TT I/EUT&E RESULTS, AND OTHER PROGRAM CHANGES SINCE INITIAL COEA/CTEA WAS PREPARED. THE COST-BENEFIT ANALYSIS (FOR IPR SYSTEMS) MUST HAVE BEEN UPDATED TO REFLECT THE CURRENT O&O PLAN, THREAT, TT I/EUT&E RESULTS ETC. MILESTONE III REQUIRES THE ANALYST TO ASCERTAIN THAT THE COEA/CTEA HAS BEEN UPDATED, IF REQUESTED BY HQDA, TO REFLECT CONSIDERATIONS, SUCH AS THE CURRENT O&O PLAN, THREAT AND TT II/IOT&E RESULTS. FURTHER GUIDANCE ON THE COEA MAY BE FOUND IN AR 11-18, "THE COST ANALYSIS PROGRAM", CHAPTER 2-2 (8). DATA SOURCE: DA PAM 700-28, AR 11-18, AR 71-9
E15.4A3	BCE BASELINE COST ESTIMATE	ACRONYMS: BCE - BASELINE COST ESTIMATES ILS - INTEGRATED LOGISTIC SUPPORT D&V - DEMONSTRATION AND VALIDATION FSD - FULL SCALE DEVELOPMENT PROCESS: ENSURE THAT A BCE (PLANNING ESTIMATE) HAS BEEN PREPARED ACCORDING TO DA PAMS 11-2, 11-3, AND 11-4 TO ESTIMATE SYSTEM LIFE CYCLE COSTS. ENSURE BCE COVERAGE OF THE ILS PROGRAM FUNDING HAS ALSO BEEN INCLUDED IN MILESTONE I. IN MILESTONES II AND III, THE ANALYST MUST MAKE CERTAIN THE BCE HAS BEEN UPDATED AND ILS PROGRAM FUNDING REQUIREMENTS HAVE BEEN INCLUDED. THE UPDATE IN MILESTONE II SHALL BE CONSISTENT WITH RESULTS OF THE D&V PHASE ACTIVITIES. THE MILESTONE III UPDATE SHALL BE CONSISTENT WITH RESULTS OF FSD PHASE ACTIVITIES AND TESTING. FURTHER GUIDANCE ON THE BCE MAY BE FOUND IN AR 11-18, CHAPTER 2-2 (1). DATA SOURCE: DA PAM 700-28, AR 11-18, DA PAMS 11-2, -3, & -4

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Name	Label	Description
E15.4A4	INDEPENDNT COST ESTIMATE	ACRONYMS: ICE - INDEPENDENT COST ESTIMATE COA - COMPTROLLER OF THE ARMY AMC - U.S. ARMY MATERIEL COMMAND BCE - BASELINE COST ESTIMATE PROCESS: ENSURE THAT AN ICE HAS BEEN PREPARED BY THE COA OR AMC TO TEST THE REASONABLENESS OF THE BCE AT MILESTONE I. FOR MILESTONES II AND III, THE ANALYST MUST MAKE CERTAIN THAT THE ICE HAS BEEN UPDATED TO TEST THE REASONABLENESS OF THE UPDATED BCE. GUIDANCE FOR THE ICE MAY BE FOUND IN AR 11-18, "THE COST ANALYSIS PROGRAM", CHAPTER 2-2 (2). DATA SOURCE: DA PAM 700-28, AR 11-18, DCA-P-92(R).
E15.4A5	ARMY COST POSITION	ACRONYMS: ACP - ARMY COST POSITION COA - COMPTROLLER OF THE ARMY BCE - BASELINE COST ESTIMATES ICE - INDEPENDENT COST ESTIMATES PROCESS: ENSURE THAT AN ACP HAS BEEN PREPARED BY THE COA TO COMPARE THE BCE AND ICE, INCLUDING ANY RECOMMENDED CHANGES TO THE BCE FOR MILESTONE I. FOR MILESTONES II AND III, THE ANALYST MUST ENSURE THAT THE ACP HAS BEEN UPDATED TO COMPARE THE LATEST BCE AND ICE, INCLUDING ANY RECOMMENDED CHANGES TO THE BCE. GUIDANCE FOR THE ACP MAY BE FOUND IN AR 11-18, "THE COST ANALYSIS PROGRAM", CHAPTER 2-2 (4). DEPARTMENT OF THE ARMY USES THE ACP IN ITS PRELIMINARY REVIEW. THE ANALYST MUST MAKE SURE THE ACAP IS ACCOMPLISHED IN A TIMELY MANNER FOR THIS REVIEW. DATA SOURCE: DA PAM 700-28, AR 11-18
E15.4A6	ASSEMBLE COST ANAL DOCUMENTTN FINDINGS	ACRONYMS: PROCESS: THE ANALYST SHALL ASSEMBLE FINDINGS FROM THE OTHER COST ANALYSIS DOCUMENTATION PROCESSES AND ENTER THEM INTO ONE REPORT. DATA SOURCE:
E15.5	CONSOLIDT FINDINGS INTO FINAL RPT	ACRONYMS: PROCESS: SUMMARIZE ALL FINDINGS DETERMINED WITHIN THE COST ANALYSIS AND FUNDING TASKS INTO ONE FINAL REPORT AND SUBMIT TO PROGRAM MANAGER FOR FURTHER CONSIDERATION. DATA SOURCE:
E15PPP	ASSEMBLE LIST OF OPERATION PROC DISC	ACRONYMS: PROCESS: ASSEMBLE A LIST OF DISCREPENCIES FOUND THROUGH ANALYSIS. DATA SOURCE:

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E15.4a1	MATERIEL SYSTEM ⁷ REQUIREMENT SPECIFCTN	ACRONYMS: MSRS - MATERIEL SYSTEM REQUIREMENT SPECIFICATION MDR - MILESTONE DECISION REVIEW D&V - DEMONSTRATION AND VALIDATION IPCE - INDEPENDENT PARAMETRIC COST ESTIMATES BCE - BASELINE COST ESTIMATE TT - TECHNICAL TEST IOT&E - INITIAL OPERATIONAL TEST AND EVALUATION
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PROCESS: ENSURE THAT AN MSRS HAS BEEN PREPARED ACCORDING TO AR 11-18 AND AR 71-9 TO PROVIDE DATA TO SUPPORT THE ICE AND BCE. THE ANALYST MUST ASCERTAIN THAT MILESTONES HAVE BEEN ESTABLISHED TO UPDATE THE MSRS IN A TIMELY MANNER PRIOR TO MDR II AND TO PROVIDE THE UPDATED DOCUMENT TO THE ORGANIZATION RESPONSIBLE FOR THE ICE. THESE TASKS MUST BE ACCOMPLISHED BY MILESTONE I.

MILESTONES II AND III REQUIRE THAT THE MSRS BE UPDATED WITH THE RESULTS OF D&V PHASE ACTIVITIES, TT II/IOT&E, AND THE LATEST PROGRAM REQUIREMENTS, RESPECTIVELY. MILESTONE II ALSO REQUIRES THAT MILESTONES HAVE BEEN ESTABLISHED TO UPDATE THE MSRS IN A TIMELY MANNER PRIOR TO MDR III AND TO PROVIDE THE UPDATED DOCUMENT TO THE ORGANIZATION RESPONSIBLE FOR THE IPCE.

THE PURPOSE OF THE MSRS IS TO RECORD IN ONE PLACE THE MINIMUM INFORMATION REQUIRED BEFORE COST ESTIMATING AND COST ANALYSIS CAN TAKE PLACE. THE MSRS SHALL BE ACCOMPLISHED IN THE FORMAT SPECIFIED IN AR 11-18, "THE COST ANALYSIS PROGRAM", APPENDIX A, UNLESS OTHERWISE INSTRUCTED, AND SHALL BE PROVIDED IN A TIMELY MANNER AS DESCRIBED IN AR 71-9, CHAPTER 3-26.

DATA SOURCE: DA PAM 700-26, AR 11-18, AR 71-9

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E15.4A2	COEA/CTEA COST AND OP/TRNG EFFNS ANA	ACRONYMS: COEA - COST AND OPERATIONAL EFFECTIVENESS ANALYSIS CTEA - COST AND TRAINING EFFECTIVENESS ANALYSIS DAP - DESIGNATED ACQUISITION PROGRAM IPR - IN-PROCESS REVIEW O&O - OPERATIONAL AND ORGANIZATIONAL TT - TECHNICAL TEST EUT&E - EARLY USER TEST AND EXPERIMENTATION IOT&E - INITIAL OPERATIONAL TEST AND EVALUATION HQDA - HEADQUARTERS, DEPARTMENT OF THE ARMY PROCESS: ENSURE THAT A COEA/CTEA HAS BEEN PREPARED (MAJOR AND DAP SYSTEMS ONLY) TO DOCUMENT EVALUATION OF ALTERNATIVE SYSTEM AND TRAINING CONCEPTS AS DESCRIBED IN AR 71-9, CHAPTER 10. THIS ARMY REGULATION PROVIDES A MILESTONE-BY-MILESTONE DESCRIPTION OF WHAT SHALL BE ADDRESSED. THE ANALYST MUST MAKE CERTAIN THAT A COST-BENEFIT ANALYSIS IS CONDUCTED (FOR IPR PROGRAMS) ACCORDING TO AR 71-9 FOR MILESTONE I. MILESTONE II REQUIRES THAT THE ANALYST MAKE SURE THE COEA/CTEA IS UPDATED, AS REQUIRED, TO REFLECT THE CURRENT O&O PLAN, THREAT, TT I/EUT&E RESULTS, AND OTHER PROGRAM CHANGES SINCE INITIAL COEA/CTEA WAS PREPARED. THE COST-BENEFIT ANALYSIS (FOR IPR SYSTEMS) MUST HAVE BEEN UPDATED TO REFLECT THE CURRENT O&O PLAN, THREAT, TT I/EUT&E RESULTS ETC. MILESTONE III REQUIRES THE ANALYST TO ASCERTAIN THAT THE COEA/CTEA HAS BEEN UPDATED, IF REQUESTED BY HQDA, TO REFLECT CONSIDERATIONS, SUCH AS THE CURRENT O&O PLAN, THREAT AND TT II/IOT&E RESULTS. FURTHER GUIDANCE ON THE COEA MAY BE FOUND IN AR 11-18, " THE COST ANALYSIS PROGRAM", CHAPTER 2-2 (8). DATA SOURCE: DA PAM 700-28, AR 11-18, AR 71-9
E15.4A3	BCE BASELINE COST ESTIMATE	ACRONYMS: BCE - BASELINE COST ESTIMATES ILS - INTEGRATED LOGISTIC SUPPORT D&V - DEMONSTRATION AND VALIDATION FSD - FULL SCALE DEVELOPMENT PROCESS: ENSURE THAT A BCE (PLANNING ESTIMATE) HAS BEEN PREPARED ACCORDING TO DA PAMS 11-2, 11-3, AND 11-4 TO ESTIMATE SYSTEM LIFE CYCLE COSTS. ENSURE BCE COVERAGE OF THE ILS PROGRAM FUNDING HAS ALSO BEEN INCLUDED IN MILESTONE I. IN MILESTONES II AND III, THE ANALYST MUST MAKE CERTAIN THE BCE HAS BEEN UPDATED AND ILS PROGRAM FUNDING REQUIREMENTS HAVE BEEN INCLUDED. THE UPDATE IN MILESTONE II SHALL BE CONSISTENT WITH RESULTS OF THE D&V PHASE ACTIVITIES. THE MILESTONE III UPDATE SHALL BE CONSISTENT WITH RESULTS OF FSD PHASE ACTIVITIES AND TESTING. FURTHER GUIDANCE ON THE BCE MAY BE FOUND IN AR 11-18, CHAPTER 2-2 (1). DATA SOURCE: DA PAM 700-28, AR 11-18, DA PAMS 11-2, -3, & -4, DCA-P-92(R).

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Name	Label	Description
ACAP	DATA FOR ACP INVEST	ACRONYMS: ACP - ARMY COST POSITION COA - COMPTROLLER OF THE ARMY AMC - ARMY MATERIEL COMMAND PROCESS: DATA RELATING TO INVESTIGATION OF THE ARMY COST POSITION (ACP) FOR EVALUATION OF THE SYSTEM UNDER QUESTION. DATA SHALL INCLUDE, AS A MINIMUM, A COPY OF THE ACTUAL COMPLETED ARMY COST POSITION. DATA SOURCE: COA/AMC
AR 11-18	AR 11-18	ACRONYMS: PROCESS: PROCEDURES/POLICIES FOR THE COST ANALYSIS PROGRAM AS SET FORTH IN AR 11-18. DATA SOURCE: AR 11-18 FROM POLICY FILES
AR 415-17	AR 415-17	ACRONYMS: PROCESS: POLICIES AND PROCEDURES FOR COST ESTIMATING OF FAMILY HOUSING. DATA SOURCE: AR 415.17 FROM POLICY FILES
AR 700-18	AR 700-18	ACRONYMS: PROCESS: POLICIES AND PROCEDURES FOR THE PROVISIONING U.S. ARMY EQUIPMENT. DATA SOURCE: AR 700-18 FROM POLICY FILES
AR 700-4/AR 750-4	EARLY FIELD ARs/PAMs	ACRONYMS: PROCESS: POLICIES AND PROCEDURES FOR INITIAL FIELDING AND POST DEPLOYMENT. DATA SOURCE: AR 700-4, AR 700-142, AR 750-4 AND DA PAM 7100-142 FROM POLICY FILES
AR 71-9	AR 71-9, AR 11-18	ACRONYMS: PROCESS: PROCEDURES/POLICIES REGARDING MATERIEL OBJECTIVES AND REQUIREMENTS FOUND WITHIN ARMY REGULATIONS 11-18 AND 71-9. DATA SOURCE: AR 71-9 AND AR 11-18 FROM POLICY FILES
BCE	DATA FOR BCE INVESTGTN	ACRONYMS: BCE - BASELINE COST ESTIMATE PROCESS: DATA RELATING TO THE INVESTIGATION OF BASELINE COST ESTIMATE (BCE) DATA FOR THE SYSTEM UNDER INVESTIGATION. DATA SHALL CONTAIN, AS A MINIMUM, AN UPDATED COPY OF THE BCE. DATA SOURCE: PROJECT MANAGER DATA FILES/MS
COEA/CTEA	DATA FOR COEA/CTEA INVESTGTN	ACRONYMS: PROCESS: DATA RELATING TO THE INVESTIGATION OF THE COST AND OPERATIONAL EFFECTIVENESS ANALYSIS/COST AND TRAINING EFFECTIVENESS ANALYSIS FOR THE SYSTEM UNDER INVESTIGATION. THE DATA SHALL CONTAIN, AS A MINIMUM, A COPY OF THE UPDATED COST AND OPERATIONAL EFFECTIVENESS ANALYSIS/COST AND TRAINING EFFECTIVENESS ANALYSIS. DATA SOURCE: TRADOC, RE: AR 71-9

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CON/FIND	CONSOLIDATED ACRONYMS: FINDINGS OF LOGISTIC RELATED OPS & SUPPORT	PROCESS: THE CONSOLIDATED FINDING OF THE ANALYSIS OF LOGISTIC RELATED OPERATIONS AND LOGISTIC RELATED SUPPORT FUNDING ADEQUACY (TASKS E15.3A1 AND E15.3A2) THAT WILL BE PROVIDED TO TASK E15.5 FOR THE FINAL CONSOLIDATED REPORT FOR THE TASK REVIEW.
CON/FIND/COST	CONSOLIDATED ACRONYMS: FINDING FROM SUBTASK E15.4	DESCRIPTION: CONSOLIDATION OF THE FINDING OF THE SUBTASKS OF E15.4, COST ANALYSIS DOCUMENTATION FOR FINAL REPORT IN TASK E15.5
CON/FIND/INVEST	CONSOLIDATED ACRONYMS: FINDINGS OF SUBTASK E15.2	DESCRIPTION: CONSOLIDATED FINDINGS OF SUBTASK E15.2 FOR INCORPORATION INTO FINAL REPORT PREPARED IN SUBTASK E15.5
CON/MNT/DTA	CONTRACT MAINTENANCE DATA	ACRONYMS: PROCESS: DATA RELEVANT TO PROPOSED CONTRACT MAINTENANCE FUNDING NECESSARY TO THE SYSTEM UNDER INVESTIGATION. DATA SOURCE:
CONSOL/EDGS	CONSOLIDATED FINDINGS FOR INPUT TO FINAL REPORT	CONSOLIDATED REVIEW AND FINDING OF THE ILS/LSA MANAGEMENT AND FUNDING FINDINGS FOR AREA FOR INCORPORATION INTO TASK E15.5 FINAL REPORT.
DA PAM 11-2,11-3,11-4 AR 11-18	DA PAMS 11-2 11-3, 11-4 & AR 11-18	ACRONYMS: BCE - BASELINE COST ESTIMATE PROCESS: ESTABLISH PROCEDURES/POLICIES FOR THE BCE. THE FILES INCLUDE AR 11-18, DA PAMS 11-2, 11-3 AND 11-4 AND DCA-P-92(R). DATA SOURCE: AR 11-18, DA PAMS 11-2, 11-3 AND 11-4, AND DCA-P-92(R) FROM THE POLICY FILES
DA PAM 700-28	DA PAM 700-28	ACRONYMS: SSP - SYSTEM SUPPORT PACKAGE PROCESS: LISTING OF ALL THE TASKS REQUIRED FOR THE SYSTEM SUPPORT PACKAGE (SSP), CATEGORIZED INTO FIVE (5) CATEGORIES: 1. TECHNICAL DATA 2. TRAINING SERVICES AND EQUIPMENT 3. SUPPORT AND TEST EQUIPMENT 4. TEST PROGRAM SET 5. REPAIR PARTS DATA SOURCE: DA PAM 700-28 FROM THE POLICY FILES

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Name	Label	Description
DEP/MNT/DTA	DEPOT MAINTENANCE DATA	ACRONYMS: PROCESS: DATA RELEVANT TO DEPOT MAINTENANCE FUNDING NECESSARY FOR THE SYSTEM UNDER INVESTIGATION. DATA SOURCE:
ER/MI/PERS/REQ	EARLY MILITARY PERSONNEL RQD/FND	ACRONYMS: PROCESS: THE MILITARY PERSONNEL AUTHORIZATION/AVAILABILITY VS FUNDING NECESSARY FOR THE CONTRACTORS PROPOSED PROGRAM. THIS DATA SOURCE WILL SUPPLY THE EARLY FUNDING STRUCTURE. DATA SOURCE: ACQUIRING ACTIVITY FILE
ER/PERS/REQ	EARLY PERSONNEL RQTS & FUNDG DATA	ACRONYMS: PROCESS: TRADOC ESTIMATES FOR TRAINING EARLY PERSONNEL REPLACEMENTS REQUIREMENTS AND FUNDING NECESSARY. DATA SOURCE: ARMY AUTHORIZATION REGULATIONS
FAC/ACT/FND/DTA	FACILITIES ACTIVATION FUND DATA	ACRONYMS: PROCESS: INSTALLATION FACILITY ENGINEERS PROPOSED ACTIVATION FUNDING DATA, SUCH THAT THE ANALYST MAY DETERMINE WHETHER SAID FUNDING IS ADEQUATE FOR THE PROGRAM UNDER INVESTIGATION. SOURCE OF DATA: GAINING COMMAND
FAC/MNT/UTIL/DTA	FACILITIES MAINTENANCE & UTILITIES	ACRONYMS: PROCESS: DATA RELEVANT TO THE NEW OR MODIFIED FACILITIES MAINTENANCE AND UTILITIES FUNDING PERTAINING TO THE SYSTEM UNDER INVESTIGATION. DATA SOURCE:
FND/INFO	FINDINGS INFORMATION	ACRONYMS: PROCESS: TRANSFER FINDINGS FROM THE SOURCE PROCESS TO A PROCESS WHICH CONSOLIDATES THEM INTO ONE MAIN REPORT.
FND/REP	FINDINGS REPORT	ACRONYMS: PM - PROGRAM MANAGER ILSMT - INTEGRATED LOGISTIC SUPPORT MANAGEMENT TEAM PROCESS: TRANSFER COST ANALYSIS AND FUNDING FINDINGS TO THE PM AND ILSMT MEMBERS. THE PROGRAM MANAGER WILL CONSIDER THE FINDINGS AND TAKE APPROPRIATE ACTIONS. DATA SOURCE: COST ANALYSIS AND FUNDING TASKS
FND/SPRS/REP/PRTS	FUNDING FOR INITIAL SPRS & REP PARTS	ACRONYMS: PROCESS: PROVIDE THE ANALYST WITH ADEQUATE, UP-TO-DATE INFORMATION RELATIVE TO FUNDING FOR INITIAL SPARES AND REPAIR PARTS. DATA SOURCE: DEFENSE LOGISTIC AGENCY AND/OR MAJOR SUBORDINATE COMMANDS/PROGRAM MANAGER.

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Name	Label	Description
HIS/SPR/FMDG/DTA	HISTORICAL SPARES FUNDING DATA	ACRONYMS: PROCESS: HISTORICAL REPLENISHMENT SPARES DATA FROM SIMILAR AND/OR LOGISTICALLY EQUIVALENT SYSTEMS TO AID IN DEVELOPMENT OF SYSTEM UNDER INVESTIGATION. DATA SOURCE: HISTORICAL FILES
ILS/PRG/FMD/DTA	ILS PROGRAM FUNDING DATA	ACRONYMS: ILS - INTEGRATED LOGISTIC SUPPORT BCE - BASELINE COST ESTIMATE PROCESS: PROPOSED ILS PROGRAM FUNDING DATA NEEDED FOR EVALUATION OF THE BCE. DATA SOURCE: ACQUIRING ACTIVITY FILE
INI/PROV	INITIAL PROVISIONING DATA	ACRONYMS: PROCESS: INITIAL PROVISIONING DATA RELATIVE TO SPARES AND REPAIR PARTS THAT CAN BE USED IN THE REVIEW OF THE CONTRACTORS PROPOSED FUNDING FOR INITIAL SPARES AND REPAIR PARTS.
INIT/ACT	INITIATING ACTION	ACRONYMS: PROCESS: THE ACTION REQUIRED OF THE AUTHORITATIVE AGENCY TO INITIATE THE REQUIREMENTS FOR THIS ILS REVIEW.
IPCE	DATA FOR ICE INVESTIGATN	ACRONYMS: AMC - ARMY MATERIEL COMMAND COA - COMPTROLLER OF THE ARMY ICE - INDEPENDENT COST ESTIMATE PROCESS: DATA RELATING TO THE INVESTIGATION OF THE INDEPENDENT COST ESTIMATE FOR THE SYSTEM UNDER INVESTIGATION. DATA SHALL CONTAIN, AS A MINIMUM, A COPY OF THE ACTUAL UPDATED INDEPENDENT COST ESTIMATE. DATA SOURCE: COA/AMC
LD/DTA	LOGISTIC DEMO DATA	ACRONYMS: PROCESS: DATA RELATING TO FUNDING FOR THE LOGISTIC DEMONSTRATION WHICH MUST BE PRESENTED BY THE MATERIEL DEVELOPER. DATA SOURCE: ACQUIRING ACTIVITY FILES
LOG/REL/INV/DTA	LOGISTIC RELATED INVESTMENT DATA	ACRONYMS: PROCESS: DATA RELATING TO ALL LOGISTIC RELATED INVESTMENTS NECESSARY TO PROGRESS THE SYSTEM UNDER INVESTIGATION. DATA SOURCE: ACQUIRING ACTIVITY FILES
LOG/REL/OP/PRCMT/DTA	LOGISTIC- RELATED OPERATIONS PROCUREMENT	ACRONYMS: PROCESS: HISTORICAL DATA RELATING TO LOGISTIC OPERATIONS PROCUREMENT. DATA SOURCE: ACQUIRING ACTIVITY FILE

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Name	Label	Description
LSA/DTA	LOGISTIC SUPPORT ANALYSIS DATA	ACRONYMS: LSA - LOGISTIC SUPPORT ANALYSIS PROCESS: DATA RELATING TO THE FUNDING OF LSA TASKS NECESSARY FOR THE SYSTEM UNDER CONSIDERATION. DATA SOURCE: ACQUIRING ACTIVITY FILES
LT/MI/PERS/REQ	MILITARY PERSONNEL REQ & FNDNG	ACRONYMS: PROCESS: MILITARY PERSONNEL REQUIREMENTS AND FUNDING NEEDED FOR COST TRADE-OFF AND ANALYSIS LATER IN THE DEVELOPMENT OF THE SYSTEM. DATA SOURCE: PM, TRADOC/DA
LT/PERS/REQ	PERSONNEL REPLACEMENT REQMNT DATA	ACRONYMS: PROCESS: ANY PERSONNEL REPLACEMENT TRAINING REQUIREMENTS NECESSARY FOR THE SUPPORT OF THE SYSTEM. DATA SOURCE: PROJECT MANAGER/TRADOC, OR DA
MIL-STD-1388	MIL-STD- 1388	ACRONYMS: LSA - LOGISTIC SUPPORT ANALYSIS PROCESS: PROCEDURES FOR DEVELOPING ASSOCIATED LSA TASKS AND THE LSA TASKS LISTING. DATA SOURCE: MIL-STD-1388A FROM THE POLICY FILES
MSRS	DTA FOR MAT SYS REQMNTS SPEC INVEST	ACRONYMS: PROCESS: DATA RELATIVE TO THE MATERIEL SYSTEM REQUIREMENTS FOR THE SYSTEM UNDER INVESTIGATION. DATA SHALL CONTAIN, AS A MINIMUM, A COPY OF THE CURRENT MATERIEL SYSTEM REQUIREMENTS SPECIFICATION. DATA SOURCE: PROJECT MANAGER DATA FILES
NET	REQUIREMENT FOR NEW EQUIPMENT TRAINING	ACRONYMS: NET - NEW EQUIPMENT TRAINING NETP - NEW EQUIPMENT TRAINING PLAN DESCRIPTION: CONTRACTORS ASSESSMENT OF THE REQUIREMENT FOR A PROGRAM TO PROVIDE NET, CONTRACTORS PROPOSED FUNDING REQUIREMENTS FOR THE NET, AND THE NETP FOR ACCOMPLISHMENT OF THE NET, TOGETHER WITH A TIME SCHEDULE. DATA SOURCE: 1. AR 700-127 2. DA FAM 700-55 3. MIL-STD 1369 4. DA FAM 700-28 5. AR 350-35
OPS/DATA	OPERATIONS DATA FROM TASK E15.3A1 USED FOR LOG SUPPORT	A SUMMARY OR SPECIFIC DETAILS OF LOGISTIC-RELATED OPERATIONS DATA WHICH WILL FORM BASIS FOR DEVELOPING LOGISTIC-RELATED SUPPORT TASK E15.3A2 REQUIREMENTS IN TASK E15.3A2

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Name	Label	Description
PDSS	POST- DEPLOYMENT SOFTWARE SUPPORT	ACRONYMS: PROCESS: THE PROPOSED FUNDING COST RELEVANT TO SOFTWARE REQUIREMENTS FOR SYSTEM OPERATION AND SUPPORT. DATA SOURCE: AR 70-1
POL	PETROLEUM OILS AND LUBRICANTS	ACRONYMS: PROCESS: PROPOSED FUNDING COSTS FOR PETROLEUM, OILS AND LUBRICANTS FOR THE SYSTEM UNDER INVESTIGATION. DATA SOURCE:
PRC/DTA	PROCUREMENT DATA	ACRONYMS: PROCESS: CONTRACTOR PROPOSED PROCUREMENT FUNDING DATA TO FORM A BASIS FROM WHICH TO ENSURE THAT FUNDING HAS BEEN ACCOMPLISHED IN A MANNER CONSISTENT WITH THE ARMY ACQUISITION OBJECTIVE. DATA SOURCE: ACQUIRING ACTIVITY FILES
PRC/END/ITM/SYS	PROCUREMENT OF END ITEM OR SYS DATA	ACRONYMS: PROCESS: THE CONTRACTORS PROPOSED END ITEM AND/OR SYSTEM PROCUREMENT DATA AND THE GOVERNMENT "SHOULD COST ANALYSIS" NEEDED TO EVALUATE WHETHER SUFFICIENT FUNDING HAS BEEN PROGRAMMED TO MEET THE ARMY ACQUISITION OBJECTIVE. DATA SOURCE: ACQUIRING ACTIVITY FILES
PRCMNT/AMMO	PROCUREMENT AMMUNITION DATA	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PROCESS: THE CONTRACTORS PROPOSED AMMUNITION PROCUREMENT COST DATA, PROGRAMMED FUNDS, AND THE AAO NEEDED TO DETERMINE IF THE PROGRAMMED FUNDING MATCHES AAO REQUIREMENTS. DATA SOURCE: ACQUIRING ACTIVITY FILES
PRCMNT/SPT/TST/EQ	PROCUREMENT SUPPORT AND TEST EQUIP	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PROCESS: AAO AND SUPPORT AND TEST EQUIPMENT PROCUREMENT COST DATA NECESSARY TO EVALUATE WHETHER PROPER FUNDING HAS BEEN PROGRAMMED. DATA SOURCE: ACQUIRING ACTIVITY FILES
PRCMNT/TPS	PROCUREMENT OF TEST PRG SET DATA	ACRONYMS: PROCESS: TEST PROGRAM SETS PROCUREMENT COST DATA FOR FURTHER EVALUATION TO DETERMINE IF ADEQUATE FUNDS HAVE BEEN PROGRAMMED. DATA SOURCE: ACQUIRING ACTIVITY FILES
PRCMNT/TRNG/DEV/DTA	PROCUREMENT OF TRAINING DEVICE DATA	ACRONYMS: AAO - ARMY ACQUISITION OBJECTIVE PROCESS: THE GOVERNMENT DETERMINES AAO AND PROCUREMENT COST DATA, PROGRAMMED FUNDS BASED ON THE SYSTEMS TRAINING/TRAINING DEVICES REQUIREMENTS TO ENSURE SUFFICIENT FUNDING HAS BEEN PROGRAMMED. DATA SOURCE: ACQUIRING ACTIVITY FILES

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Name	Label	Description
REP/SPR/DTA	REPLENSHMT SPARES DATA	ACRONYMS: PROCESS: THE PROPOSED FUNDING FOR SPARES REPLENISHMENT FOR THE SYSTEM UNDER INVESTIGATION. DATA SOURCE:
REQ/LOG/DEMO	REQUIREMENT FOR LOGISTIC DEMO	BASED ON THE REQUIREMENT FROM THE ACQUIRING OR DEVELOPMENT ACTIVITY, SPECIFY THE REQUIREMENT FOR THE PREPARATION FOR A LOGISTIC DEMONSTRATION AND SUBSEQUENT SYSTEM SUPPORT PACKAGE DEVELOPMENT COMPLETION.
REQ/SYS/SUP/PAK	REQUIREMENT FOR A SYSTEM SUPPORT PACKAGE DEVELOPMENT	SPECIFIED REQUIREMENT FOR THE DEVELOPMENT OF A SYSTEM SUPPORT PACKAGE DEVELOPED FROM THE ILS/LSA MANAGEMENT ASSESSMENT AND AS SPECIFIED IN THE CONTRACTUAL REQUIREMENTS.
SSP/DTA	SYSTEM SUPPORT PACKAGE DATA	ACRONYMS: SSP - SYSTEM SUPPORT PACKAGE PROCESS: FUNDING DATA RELATING TO ALL SSP ITEMS. DATA SOURCE: ACQUIRING ACTIVITY FILES
SSP/REP/PRT/DTA	REPAIR PART DATA	ACRONYMS: PROCESS: THE CONTRACTORS PROPOSED FUNDING OF REPAIR PARTS IN ACCORDANCE WITH TASKS LISTED IN DA PAM 700-28 FOR REPAIR PARTS. DATA SOURCE: ACQUIRING ACTIVITY FILES POLICY FILES
SSP/SUP/TST/EQ/DTA	SUPPORT AND TEST EQUIPMENT DATA	ACRONYMS: PROCESS: THE CONTRACTORS AND/OR TRADOC PROPOSED FUND REQUIREMENTS FOR SUPPORT AND TEST EQUIPMENT DEVELOPMENT. THIS DATA SHALL ALSO INCLUDE TASKS LISTED FROM DA PAM 700-28 NECESSARY TO THE SUPPORT AND TEST EQUIPMENT. DATA SOURCE: ACQUIRING ACTIVITY FILES POLICY FILES
SSP/TECH/DTA	SSP TECHNCL DATA COMPONENT LIST	ACRONYMS: SSP - SYSTEM SUPPORT PACKAGE PROCESS: THE CONTRACTORS PROPOSED FUNDING OF TECHNICAL DATA DEVELOPMENT AS PART OF THE SSP IN ACCORDANCE WITH APPROPRIATE TECHNICAL DATA TASKS DESCRIBED IN DA PAM 700-28, MIL-STD-1388, AR 310-3, AND STATEMENT OF WORK (SOW). DATA SOURCE: ACQUIRING ACTIVITY FILES POLICY FILES

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Name	Label	Description
SSP/TPS/DTA	TEST PROGRAM SETS DATA	ACRONYMS: PROCESS: THE CONTRACTORS PROPOSED FUNDING DATA FOR TEST PROGRAM SETS IN ACCORDANCE WITH THE NECESSARY TASKS LISTED IN DA FAM 700-28, AND THE TPS PROCEDURES GUIDE. DATA SOURCE: ACQUIRING ACTIVITY FILES POLICY FILES
SSP/TR/SER/EQ	TRAINING SERVICES AND EQUIPMT	ACRONYMS: PROCESS: THE CONTRACTORS PROPOSED FUNDING OF TRAINING SERVICES AND EQUIPMENT. THE DATA SHALL ALSO INCLUDE TASK LISTING NECESSARY FOR TRAINING SERVICES AND EQUIPMENT AS LISTED IN DA FAM 700-28. DATA SOURCE: ACQUIRING ACTIVITY FILES POLICY FILES
TECH/ASST/FND/DTA	TECHNICAL ASSISTANCE FUND DATA	ACRONYMS: PROCESS: CONTRACTORS AND ACQUIRING ACTIVITY PROPOSED TECHNICAL ASSISTANCE FUNDING REQUIREMENTS DATA ADEQUATE TO DETERMINE IF SUFFICIENT FUNDING HAS BEEN PROGRAMMED. DATA SOURCE: ACQUIRING ACTIVITY FILES NEV 704-- -----ACRONYMS: PROCESS: CONTRACTORS AND ACQUIRING ACTIVITY PROPOSED ASSISTANCE FUNDING REQUIREMENTS DATA ADEQUATE TO DETERMINE IF SUFFICIENT FUNDING HAS BEEN PROGRAMMED. DATA SOURCE: ACQUIRING ACTIVITY FILES
TM-10/TM-20	TM-10 TM-20	ACRONYMS: PROCESS: TECHNICAL MANUALS TM-10 AND -20, RELATING TO MATERIEL CONDITION TRANSFER STANDARDS. DATA SOURCE: TM-10 AND TM-20 FROM THE POLICY FILES
TR/AMMO/DTA	TRAINING AMMUNITION DATA	ACRONYMS: PROCESS: THE PROPOSED FUNDING FOR AMMUNITION AND MISSILES TO BE CONSUMED DURING UNIT TRAINING EXERCISES. DATA SOURCE:
TRNS/FND/DTA	TRANSPORTN FUNDING DATA	ACRONYMS: PROCESS: CONTRACTORS AND TRADOC PROPOSED TRANSPORTATION FUNDING DATA REQUIREMENTS FROM WHICH TO DETERMINE IF THE PROGRAMMED FUNDING IS ACCEPTABLE. SOURCE OF DATA: ACQUIRING ACTIVITY FILES

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Name	Label	Description
TSTNG/DATA	SPARES	ACRONYMS: LSAR - LOGISTIC SUPPORT ANALYSIS REPORT
	TESTING	PM - PROGRAM MANAGER
	RESULTS	SESAME - SELECTED ESSENTIAL ITEM STOCKAGE FOR AVAILABILITY METHOD MODEL
		PROCESS: ACCURATE TEST DATA, LSAR AND SESAME RESULTS RELATED TO SPARES REPLENISHMENT REQUIREMENTS RELATED TO LEVEL OF REPAIR DECISIONS. TESTING MAY INCLUDE: INITIAL PRODUCTION TESTING, FOLLOW-ON OPERATIONAL TEST AND EVALUATION, TECHNICAL TESTING, AND INITIAL OPERATION TEST AND EVALUATION AND BASED ON PM'S "GET WELL PLAN". DATA SOURCE: AMC AND/OR OPERATIONAL TESTER
TTII/IOT&E	TECH TEST & INIT OPG	ACRONYMS: OTEA - OPERATIONAL TEST AND EVALUATION
	TEST & EVAL	PROCESS: THE RESULTS OF THE TECHNICAL TEST AND INITIAL OPERATIONAL TEST AND EVALUATION (OTEA) DATA SOURCE: AMC/OTEA/TRADOC
UPD/REQ	UPDATE REQUEST	ACRONYMS: HQDA - HEADQUARTERS DEPARTMENT OF THE ARMY
		PROCESS: DECISION RELATIVE TO (1) A COST AND OPERATIONAL EFFECTIVENESS ANALYSIS OR (2) A COST AND TRAINING EFFECTIVENESS ANALYSIS NEEDED FOR THE SYSTEM UNDER CONSIDERATION. DATA SOURCE: HQDA

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Name	Label	Description
AAAF	ACQUIRING ACTIVITY FILE	CONTAINS RECORDS, DOCUMENTS, DECISION PAPERS, AND SCHEDULES PREPARED AS PART OF THE ACQUISITION INITIATION, JUSTIFICATION, AND PLANNING PRIOR TO ASSIGNMENT OF A PROGRAM MANAGER. DATA STORE INCLUDES: A. THREAT ANALYSIS B. O&O PLAN C. READINESS OBJECTIVES D. FUNCTIONAL REQUIREMENTS E. PROJECTED SCHEDULE F. LOGISTICS RESOURCES G. DESIRED R&M PARAMETERS H. TOA I. TOD J. COST & OPERATIONAL EFFECTIVENESS ANALYSIS (COEA)/COST BENEFIT ANALYSIS K. PROJECTED COST L. JUSTIFICATION OF MAJOR SYSTEM NEW START (JMSNS) M. REQUIRED OPERATIONAL CHARACTERISTICS
HIS/FIL	HISTORICAL FILE	THE HISTORICAL FILE IS A CENTRALIZED REPOSITORY OF INFORMATION DEVELOPED PRIOR TO OR DURING THE INITIAL STAGES OF A NEW PROGRAM WHICH CONTAINS DATA PREVIOUSLY ACQUIRED ON THE ITEM UNDER INVESTIGATION OR SIMILAR SYSTEM, AND MAY ADDRESS THE FOLLOWING AREAS (TO BE TREATED SEPARATELY): 1. RELIABILITY DATA 2. FAILURE RATE DATA 3. SPARES AND SPARE FUNDING DATA

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Name	Label	Description
P/F	POLICY FILES	CONTAINS MILITARY PUBLICATIONS, DECISION PAPERS, MISSIONS & FUNCTIONS, ETC., NEEDED TO ESTABLISH THE LOGISTICAL SUPPORT AND REVIEW REQUIREMENTS OF THE ITEM/EQUIPMENT DEVELOPMENT PROGRAM. DATA STORE INCLUDES: 1. AR 700-127.....INTEGRATED LOGISTIC SUPPORT 2. MIL-STD-881A.....WORK BREAKDOWN STRUCTURES FOR DEFENSE MATERIEL ITEMS 3. MIL-STD-1388-1.....LOGISTIC SUPPORT ANALYSIS 4. MIL-STD-1388-2.....DOD REQUIREMENTS FOR A LOGISTIC SUPPORT ANALYSIS RECORD 5. MIL-STD-152.....TECH REVIEW GUIDELINES 6. DA PAM 700-XK.....ILS REVIEW GUIDELINES 7. MIL-STD 810.....ENVIRONMENTAL TEST METHODS 8. MIL-STD 781.....RELIABILITY DESIGN GUIDED 9. MIL-STD 2108.....CLIMATIC EXTREMES FOR MIL EQUIPMENT 10. DA PAM 700-55.....ILSP PREPARATION 11. MIL-STD-470,-471...MAINTAINABILITY STANDARDS 12. AMC PAM 700-4.....LOGISTICS TECHNIQUES (WITH PALMAN) 13. DA PAM 700-28.....INTEGRATED SUPPORT PROGRAM ASSESSMENT ISSUES AND CRITERIA 14. MIL-STD-780.....CODING SYSTEM 15. MIL-STD-882.....SYSTEM SAFETY PROGRAM REQUIREMENTS 16. MIL-STD-1629.....PROCEDURES FOR FMECA 17. MIL-STD-756.....RELIABILITY MODELING & PREDICTIONS 18. DI-S-3604.....FUNCTIONAL FLOW DIAGRAM 19. MIL-M-24100B.....FUNCTIONALLY ORIENTED MAINTENANCE MANUALS (FORM4) 20. MIL-STD-499.....ENGINEERING MANAGEMENT 21. DI-A-1004.....WORK BREAKDOWN STRUCTURE 22. AR 37-200.....SELECTED ACQUISITION INFORMATION & MANAGEMENT SYSTEMS (SAIMS) 23. DODI-5010.20..... 24. DCA-P-92(R).....INSTRUCTIONS FOR REFORMATTING THE BCE/ICE 25. DOD 7110-1M.....DOD BUDGETING GUIDANCE MANUAL 26. DA 11-2.....RESEARCH & DEVELOPMENT COST GUIDE FOR ARMY\ MATERIEL SYSTEMS 27. DA PAM 11-5.....STANDARDS FOR PRESENTATION AND DOCUMENTATION OF LIFE CYCLE COST ESTIMATES FOR ARMY MATERIEL SYSTEMS. 28. AR 11-18.....THE COST ANALYSIS PROGRAM 29. AR 700-18.....PROVISIONING OF US EQUIPMENT

DATE: 20-JUN-89
TIME: 11:45

APJ PROJECT 966
E15 DATA STORES DEFINITION

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Name	Label	Description
PM/DF	PROGRAM MNGER DATA FILE	CONTAINS FILES AND DATA DEVELOPED AND/OR RETAINED BY THE PROGRAM MANAGER FOR PROPER MANAGEMENT OF THE DEVELOPMENT PROGRAM, INCLUDING: 1. ENGINEERING DRAWINGS 2. ENGINEERING CHARACTERISTICS 3. TT/UT RESULTS 4. CONCEPT FORMULATION PACKAGE (CFP) 5. DECISION COORDINATING PAPER (DCP) 6. TYPE TECHNICAL REVIEWS REQUIRED 7. MILESTONE SCHEDULES 8. FUNDING PROFILES 9. REQUIRED OPERATIONAL CAPABILITIES (ROC) 10. ITEM/EQUIPMENT SPECIFICATIONS 11. ITEM/EQUIPMENT MISSIONS & FUNCTIONS 12. EQUIPMENT, MANPOWER, AND TECHNICAL RISK ASSESSMENTS (FROM LSA TASK 301.2.3 13. PROGRAM BASELINE DOCUMENT 14. TEST & EVALUATION MASTER PLAN 15. BASELINE COST ESTIMATE 16. MATERIEL SYSTEMS REQUIREMENTS SPECIFICATION

Label Description

ACQ./DEV THE ACQUIRING ACTIVITY WHICH INITIATES THE REQUIREMENT FOR A LSA
PROGRAM TASK/ILS ASSESSMENT BASED ON MILESTONES AND/OR PROGRAM TIME SCHEDULED
INIT' TION REQUIREMENTS.

COMPTRLR THE COMPTROLLER OF THE ARMY OR THE ARMY MATERIEL COMMAND SHALL HAVE
OF ARMY/ COMPLETED AND SHALL FURNISH AN INDEPENDENT COST ESTIMATE (ICE) TO TEST
AMC THE REASONABLENESS OF THE BASELINE COST ESTIMATE (BCE). THE COMPTROLLER
SHALL ALSO PREPARE AN ARMY COST POSITION (ACP) COMPARING THE BCE AND THE
ICE. THE ARMY MATERIEL COMMAND AND OPERATIONAL TESTER SHALL COMPLETE
AND FURNISH THE RESULTS OF THE TECHNICAL TESTS AND INITIAL OPERATIONAL
TEST.

DEFENSE THE DEFENSE LOGISTIC AGENCY AND AFFECTED MAJOR SUBORDINATE COMMANDS
LOGISTIC WILL PROVIDE ADEQUATE FUNDING FOR INITIAL SPARES AND REPAIR PARTS IN
AGENCY ACCORDANCE WITH AR 700-18. THIS INFORMATION SHALL BE MADE AVAILABLE TO
PROCESS E15.2A2.

HDQUARTR IF AN UPDATED COST AND OPERATIONAL EFFECTIVENESS ANALYSIS AND/OR COST
DEPRTMNT AND TRAINING EFFECTIVENESS ANALYSIS IS NEEDED, THEN HEADQUARTERS,
OF ARMY DEPARTMENT OF THE ARMY SHALL PROMPT TRADOC TO COMPLETE SAID ANALYSIS.

PROGRAM THE PROGRAM MANAGER SHALL TAKE INTO CONSIDERATION THE FINDINGS OF
MANAGER ACCOMPLISHED TASKS AND INSTITUTE MEASURES TO CORRECT IDENTIFIED
DEFICIENCIES.

ANNEX C

STRUCTURED SYSTEMS ANALYSIS -
FUNDAMENTALS

ANNEX C
STRUCTURED SYSTEMS ANALYSIS

Fundamentals

Structured Systems Analysis (SSA) has recently become an industry standard for generating Data Flow Diagrams (replacing "logic diagrams" or "flow charts") to aid in coordinating the functions to be performed by a computer program and its associated Inputs/Outputs (I/O). During the SSA, each set of "flow charts" can be checked by the potential user to assure that there is complete agreement on what is to be done by the program, and how it is to be accomplished. It also provides considerable flexibility for updating or changing the program.

Six basic elements (see figure 1) are used in SSA:

1. Process (PRC)
2. Data Flow (DAF)
3. Data Store (DAS)
4. External Entity (EXT)
5. Data Flow Diagram (DFD)
6. Data Dictionary (DCT)

PROCESS (Represented by a Circle):

A function or operation to be performed which can be explained by a set of instructions representing a single task, e.g., "calculate interest on a loan", "prepare a draft report". If the Process description is too complex to describe in a few steps, it may be necessary to develop a lower level description (see below).

DATA FLOW (Lines interconnecting Processes or I/Os):

Each function or Process cannot be a stand-alone in a complex network. To have any meaning in a program, each process must be initiated by a previous action and/or provided information on which to act. Furthermore, a Process must result in an output which is the input to the next logical Process. These inputs, outputs, or initiating actions are identified as Data Flows, and are represented by the Data Flow lines indicating its point of origin and the process to which it provides data.

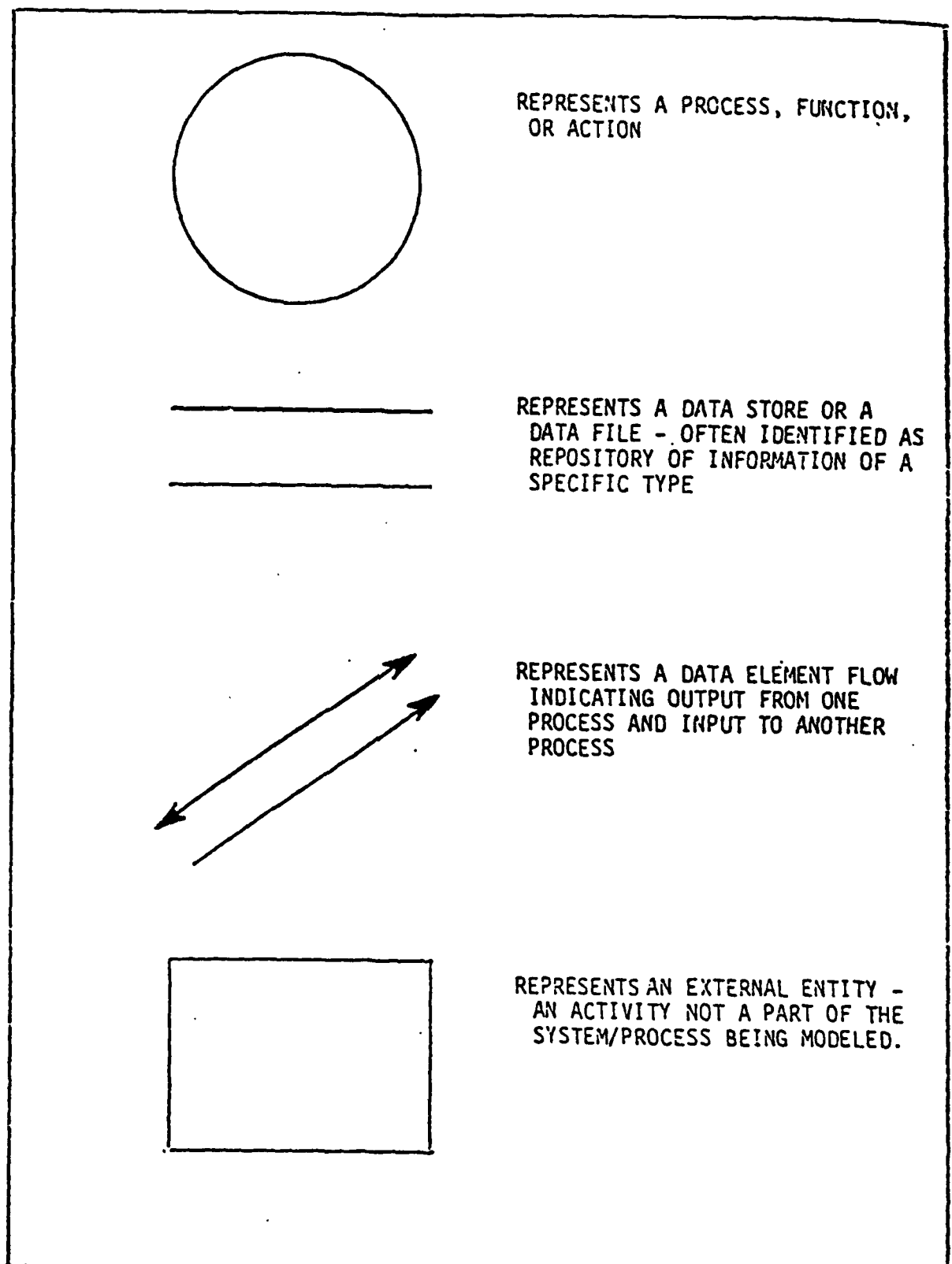


Figure 1. Standard DFD Symbol Definitions

DATA STORE (Represented by two parallel lines):

Although some Processes generate data used as input to a succeeding Process, there is often a need to "gather or collect" information from files in which it is stored. This information may come from an external source (such as a MIL-STD, Army regulation, historical experience files, etc.), or an internal source or file in which data is temporarily stored for use by succeeding processes. These Data Stores can be visualized as a "file cabinet", in which the data are stored for later retrieval).

EXTERNAL ENTITY (Represented by a Rectangle):

Each program or logical process must have an initiating action, a "point" of disposition of the results, and possibly input guidance or instructions. Each of these have authorities, functions, or applications which are independent of the program Process (although required by the program Process). Thus, these activities, agencies, or facilities are considered "External Entities" to the program.

DATA FLOW DIAGRAM:

The general arrangement of the above can be readily seen. First, the circle or Process describes what has to be done; the interconnecting lines represent the Data Flows, together with the specific description of all I/Os. The Data Stores identify the source and/or file designation of a data base, and the External Entities represent those activities remote from the Process, which are the source of guidance or the recipients of the program. This combination of Processes, Data Flows, Data Stores, and External Entities constitutes a "Data Flow Diagram". The unique feature of the Data Flow Diagram (DFD) is that each process can be considered independently, permitting a change to be made in one Process without a major change in the overall program.

DATA DICTIONARY:

The Data Dictionary consists of a complete description of each of the basic elements. For the Process, it contains a step-by-step description of what has to be performed. The description of the Data Flow identifies the nomenclature of the data, a detailed description of its content, and its source. The Data Stores and External Entities are described, including possible location.

The Data Dictionary (a living document) begins with a description of the first Process and is continually built-up as the Data Flow Diagrams are expanded, detailed, and eventually completed.

APPROACH TO PERFORMING STRUCTURED SYSTEM ANALYSIS:

The best approach to Structured Systems Analysis is to assume that the program consists of a series of processes, each of which are to be assigned to an inexperienced analyst. Each analyst is to be walked through the assigned process of the Program, explaining step-by-step what functions have to be performed or what actions have to be taken to accomplish the process. The analyst is also informed where the information is coming from (input Data Flow), what is to be generated by each process (output Data Flow), where the data base may to be found (Data Stores), and who to contact for guidance (External Entities).

The best way to initiate a SSA is to set down the point of origin of a program, its final goal(s), and the intermediate functions or actions needed to get from beginning to goal. Each step should be considered as a Process - some may be sequential and others parallel. Then, the steps needed to accomplish the Process should be described. If the description is complex and needs intermediate steps, the Process is then a candidate for an "explosion". That is, the top (or upper) level Process is considered as a "project" and its own Data Flow Diagram is prepared.

When writing the step-by-step procedures in the Process, certain elements of data (or information) must be made available for the procedure. Each element of data is considered as an input Data Flow, which is identified and described. The product (or result) of a Process is an output Data Flow element.

Each Data Flow to the Process must originate from:

1. an earlier Process
2. a Data Store (or file)
3. an External Entity.

These sources are also identified, described and put into the Data Dictionary. As soon as the last portion of the Data Flow Diagram has been described, the SSA is complete.

The Structured Analysis phase is followed by Structured Design, then by programming and finally software test and validation. The organization of Structured Analysis and its relationship to Structured System Design is shown on Figure 2.

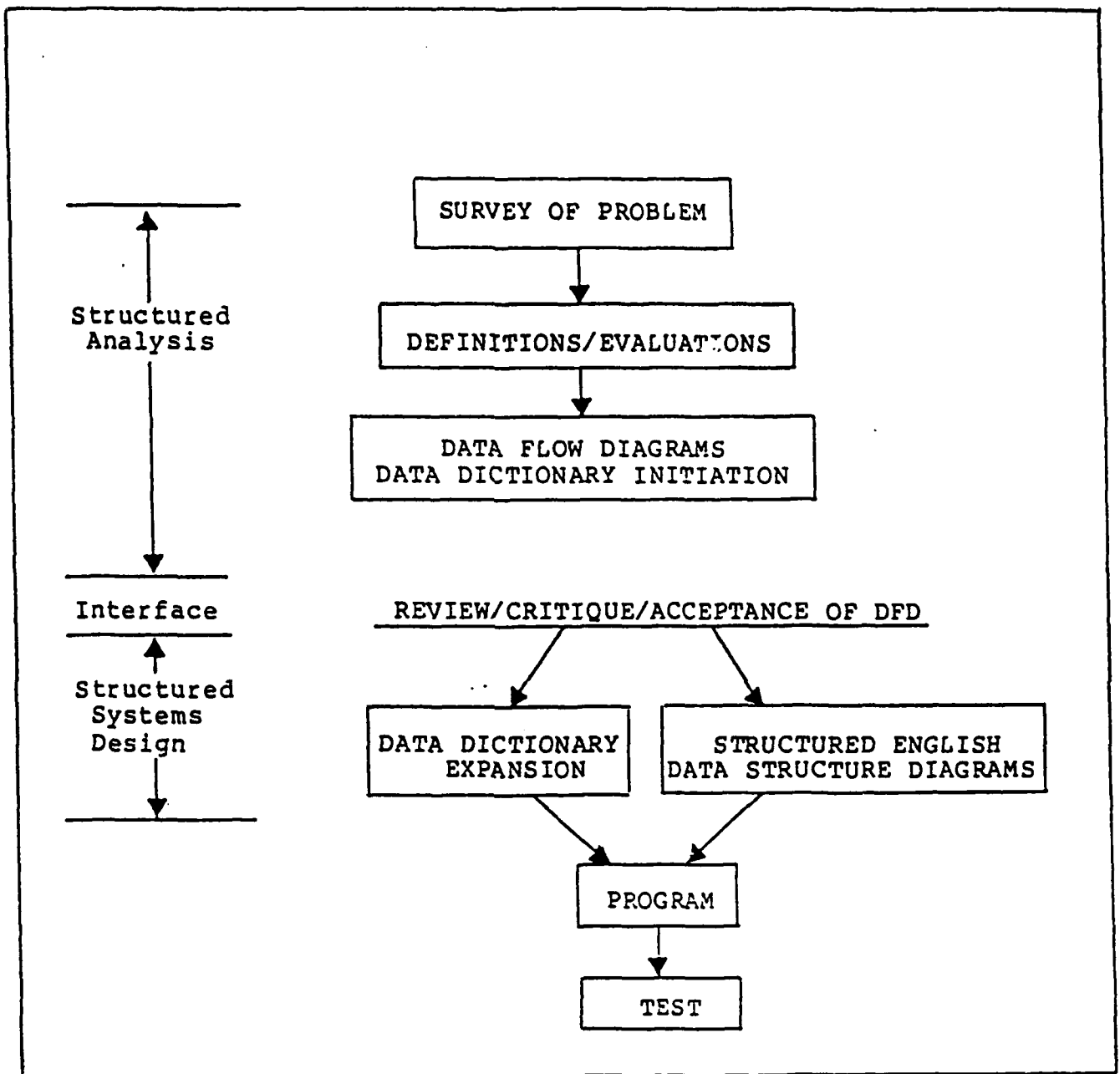


Figure 2. Structured Analysis and Structured Systems Design Organization



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