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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 is the numerical identification assigned to each task or element assessment corresponds to the task/subtask/element identified in MIL-STD-1388-1 or AR 700-127. Data Flow Diagrams, (DFDs) of assessment of the ILS Element E-1, Maintenance Planning are included, as well as the corresponding definitions of the processes, data flows, data stores, external entities involved on each. There is an overview of the Structured Analysis and how its place is in the overall systems design process, and an overview of the assessment procedures, as well as a guide to the overall assessment.

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STRUCTURED ANALYSIS
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MAINTENANCE PLANNING E-1

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STRUCTURED ANALYSIS

ILS ASSESSMENT MAINTENANCE PLANNING

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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October 1988

FOREWORD

The major goal of this program is to unify the approach to performance of ILS and LSA by military and contract logisticians. APJ, under contract to HQs, AMCCOM, has initiated the automation of the LSA Tasks (defined in MIL-STD-1388-1) and the assessment of the ILS elements (provided in AR 700-127). To ensure consistency with current Army procedures in ILS reviews, DA PAM 700-28, "Integrated Logistic Support Program Assessment Issues and Criteria" and DA PAM 700-55 "Instructions for Preparing the Integrated Logistic Support Plan" provided the baseline for this effort.

The automated process, detailed to meet all requirements of the LSA and ILS, will provide the flexibility of selecting tasks/elements to be addressed. A major advantage is that the application of a task element be consistent with prescribed Army policies/procedures.

This report is one of a series which will address each LSA Task and Element. The numerical identification assigned to each task or element assessment corresponds to the task/subtask/element identified in MIL-STD-1388-1 or AR 700-127. It is noted that both publications are currently being reviewed for update and changes which are changing the numerical references to the ILS Elements. Accordingly, the publications in effect as of the date of the ~~publication~~ ~~starting date~~ ~~October 1987~~ are being used for task/element numerical references. The latest updated guides will be included in the Structured Systems Design Program.

This Technical Note reports on the Data Flow Diagrams (DFDs) of the assessment of ILS Element E-1*, "Maintenance Planning", and provides definitions of the processes, data flows, data stores, and external entities on each DFD. The report will provide an overview of the assessment procedures and a guide to the overall assessment.

To view this work in context, this report also presents a brief overview of Structured Analysis and its place in the overall systems design process to assist the reader who may not be fully briefed on the symbols and conventions used. This overview of Structured Analysis is repeated verbatim in each report in this series to allow each report to stand alone. Comments are welcomed.

* As identified in AR 700-127, "Integrated Logistic Support", Appendix E, effective 15 June 1983 (E-1 is identified as E3 in the 16 January 1987 edition of AR 700-127).

TABLE OF CONTENTS

<u>TITLE</u>	<u>PAGE</u>
Background.....	1
Purpose.....	1
Scope.....	2
ILS Maintenance Planning Assessment Description.....	3
Overview of Maintenance Planning Data Flow Diagrams.....	4
Approach.....	6
Structured Analysis and Design.....	8
Maintenance Planning Data Flow Diagrams.....	9
APPENDIX A: ILS Assessment of Maintenance Planning - Data Flow Diagrams and Process Data Dictionaries	A-1
TEXT GLOSSARY.....	TG-1
DIAGRAM GLOSSARY.....	DG-1

LIST OF ILLUSTRATIONS

<u>FIGURE NO.</u>	<u>TITLE</u>	<u>PAGE</u>
1	Structured Analysis and Structured Systems Design Organization.....	10
2	Standard DFD Symbol Definitions..	13
TASK:		
E1	Maintenance Planning Assessment Overview	
E1.3A	(Baseline) Maintenance Concept Concerns	
E1.4A	(Preliminary) Maintenance Allocation Chart Concerns	
E1.5A	Maintenance Task(s) definitions Concerns	
E1.6A	Other Plan interfaces with Maintenance Plan	
E1.7A	Maintenance Plan Assessment Summary and Recommendations	

STRUCTURED ANALYSIS - ILS ASSESSMENT
MAINTENANCE PLANNING

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-1388-1, "Logistic Support Analysis". HQs AMCCOM has initiated action to structure each of the tasks, the form of the results, and the detailed processes to insure consistency with the 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.

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/LSA functions/processes. This report addresses ILS assessment of Maintenance Planning.

SCOPE

ILS assessment of Maintenance Planning concerns the review of the Maintenance Plan and its supporting documentation to determine their completeness. The Plan and its supporting documents should: (1) meet the life cycle requirements of the new item/system, (2) be consistent with overall Army operational readiness objectives and goals while minimizing support costs, (3) conform to allocated resources, (4) comply with existing Army policy, and (5) be internally consistent.

This report summarizes the results of the Structured Analysis of ILS El assessment area, "Maintenance Planning", and presents the associated Data Flow Diagrams (DFDs) developed from the Structured Analysis. The portion of the Data Dictionary relating to the labels, names, process, data flow, data store, and external entity descriptions are included in their present degree of completeness. (The Data Dictionary is a "living document" that evolves through the analysis/design process).

To place this work in context, this report also presents a brief overview of Structured Analysis and its place in the overall systems design process to assist the reader who may not be fully briefed on the symbols and conventions used.

ILS MAINTENANCE PLANNING ASSESSMENT DESCRIPTION

There are a minimum of eighteen (18) specific areas to be addressed in the assessment of the Maintenance Plan, in accordance with the requirements of AR 700-127, "Integrated Logistic Support":

1. Maintenance concept
2. Maintenance facilities
3. Maintenance tasks
4. Maintenance organizations
5. Expenditure limits
6. Maintenance standards
7. Provisioning plan
8. Operational readiness float
9. Repair cycle float
10. Contractor support
11. Requirement to restore or sustain equipment serviceability.
12. Host nation support (AR 570-9)
13. Inter-Service support agreements
14. Depot maintenance support
15. Intermediate maintenance (IM)/TDA maintenance support
16. Battlefield damage assessment and repair
17. Direct exchange
18. MANPRINT considerations

NOTE: AR 700-127 update soon to be issued adds "nuclear hardness maintenance requirements" to this list. List is further revised through ongoing task (ILS Master Plan).

Development of the Maintenance Planning ILS assessment process requires consideration of all of the specific areas of concern listed above within the context of the life cycle phase in the acquisition process. There is a corresponding requirement that the review/assessment team has an awareness of current Army policies and procedures related to each of these areas, as well as those of other Services which may be of assistance to the Army support of developmental items/equipments.

It is noted that a certain degree of overlap exists among the ILS elements. For example, the Maintenance Plan addresses expenditure limits, whereas E-15 concerns cost analysis and funding. This task provides an overall framework for assessment. Subsequent ILS elements address the details in each topic area.

The outputs of this ILS assessment will be the identification of those areas of Maintenance Planning requiring adjustment, expansion, corrections, or reconsiderations, and a corresponding set of recommendations for corrective actions, including the completion/correction/update of the Maintenance Planning documentation.

OVERVIEW OF MAINTENANCE PLANNING DATA FLOW DIAGRAMS

The analytical approach/overview as shown by the E1 top level DFD is described as follows:

The two initial processes (E1.1 and E1.2) review overall logistical considerations which involve the interactions with other personnel involved in the design process, help identify where the project is in the design, and assess the maturity and completeness of the data which will be used in subsequent processes.

The third process (E1.3) takes information from the prior two processes and checks either the Baseline Maintenance Concept (BMC) or the Maintenance Plan (MP), (subsequently identified as (B)MP) for issues/concerns which affect its satisfactory formulation or description.

The fourth process (El.4) compares what the maintenance planner "desires" in his maintenance support approach as described in his (B)MC to what he has "ended up with" as described in either the Preliminary Maintenance Allocation Chart (PMAC) or his Maintenance Allocation Chart (MAC), (subsequently identified as (P)MAC). Although the (B)MC should drive the (P)MAC, they need to be checked to insure they are mutually consistent.

The fifth process (El.5) is a more in-depth look at the identified maintenance tasks to insure consistency with the resources required to complete the tasks. It is a check to make certain that resources such as personnel, equipment, facilities etc., are available at the allocated level of repair. Depending on the stage of product development, information from El.5 can be "fed" to El.3 or El.4 directly or through the Maintenance Plan Assessment file, to assist in the completion of those processes.

The sixth process (El.6) looks at various issues or "sub plans" which have an impact on Maintenance Planning functions, or which the Maintenance Plan could in turn affect.

The seventh process (El.7) sorts the subassessments and comments made during the prior processes to help the reviewer provide his overall assessment of the Maintenance Plan. It identifies what is satisfactory about the Maintenance Plan and presents the reviewers recommendations.

APPROACH

The APJ approach to structured design of the ILS assessments is as follows:

1. Scope the processes required to meet the intent of AR 700-127, as well as the guidance provided by DA PAM 700-28, "Integrated Logistic Support Program Assessment Issues and Criteria", DA PAM 700-55, "Instructions for Preparing the Integrated Logistic Support Plan", AMC-R 700-15, "Logistics-Integrated Logistic Support" (with its AMCCOM Supplement), and maintenance planning-related tasks in MIL-STD-1388-1.

2. Review the applicable Data Item Descriptions (DIDs) from the Acquisition Management systems and Data Requirements Control List (AMSDL) published by the Department of Defense.

3. Review all source documents referenced in the AMSDL as applicable to the referenced DIDs of interest.

4. Apply staff experience in logistics support analysis to assure that the intent of the task has been addressed.

5. Validate results in discussions with Army activities/personnel directly involved in the applicable/related LSA tasks and ILS elements.

The 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 are made available to working Army logisticians currently (or recently) directly involved in the application of the same tasks in current Army development programs. Comments are solicited relative to the logic of the processes described, the scope and details of the indicated approaches, and the outputs implied by the task requirements.

The earlier draft products covering specific LSA Tasks were well received by the external reviewers, and requests have been received for copies of the DFDs for in-house use in organizing ILS/LSA efforts. Comment was also made 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.

STRUCTURED ANALYSIS AND DESIGN

Structured Analysis and Structured Systems Design evolved from the need to define and demonstrate the underlying logical functions and requirements of a large system. The concept of Structured Analysis involves building a logical (non-physical) model of a system, using graphic techniques which enable users, analysts, and designers to get a clear and common picture of the system and how its parts fit together to meet the user's needs. It is followed by structured design, and then by programming and test/validation.

The Structured Analysis/Structured Systems Design process, sometimes referred to as "Structured Design", is well documented and widely utilized in Government and industry. As stated in "The Practical Guide to Structured Systems Design" (Meilir Page-Jones, Prentice-Hall, Englewood Cliffs, NJ, 1980),

..."Structured Design is a disciplined approach to computer system design, an activity that in the past has been notoriously haphazard and fraught with problems. Structured Design is a response to the failings of the past. It has five aspects:

"1. Structured Design allows the form of the problem to guide the form of the solution.

"2. Structured Design seeks to conquer the complexity of large systems by means of partitioning the system into "black boxes", and by organizing the black boxes into hierarchies suitable for computer implementation.

"3. Structured Design uses tools, especially graphic ones, to render systems readily understandable.

"4. Structured Design offers a set of strategies for developing a design solution from a well defined statement of a problem.

"5. Structured Design offers a set of criteria for evaluating the quality of a given design solution with respect to the problem to be solved.

"Structured Design produces systems that are easy to understand, reliable, flexible, long lasting, smoothly developed, and efficient to operate - and that WORK...."

The organization of Structured Analysis and its relationship to Structured System Design is shown on figure 1.

MAINTENANCE PLANNING 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 six (6) DFDs have been prepared to structure this ILS assessment:

1. El - Management Planning Assessment Overview
2. El.3A - (Baseline) Maintenance Concept Concerns
3. El.4A - (Preliminary) Maintenance Allocation Chart Concerns

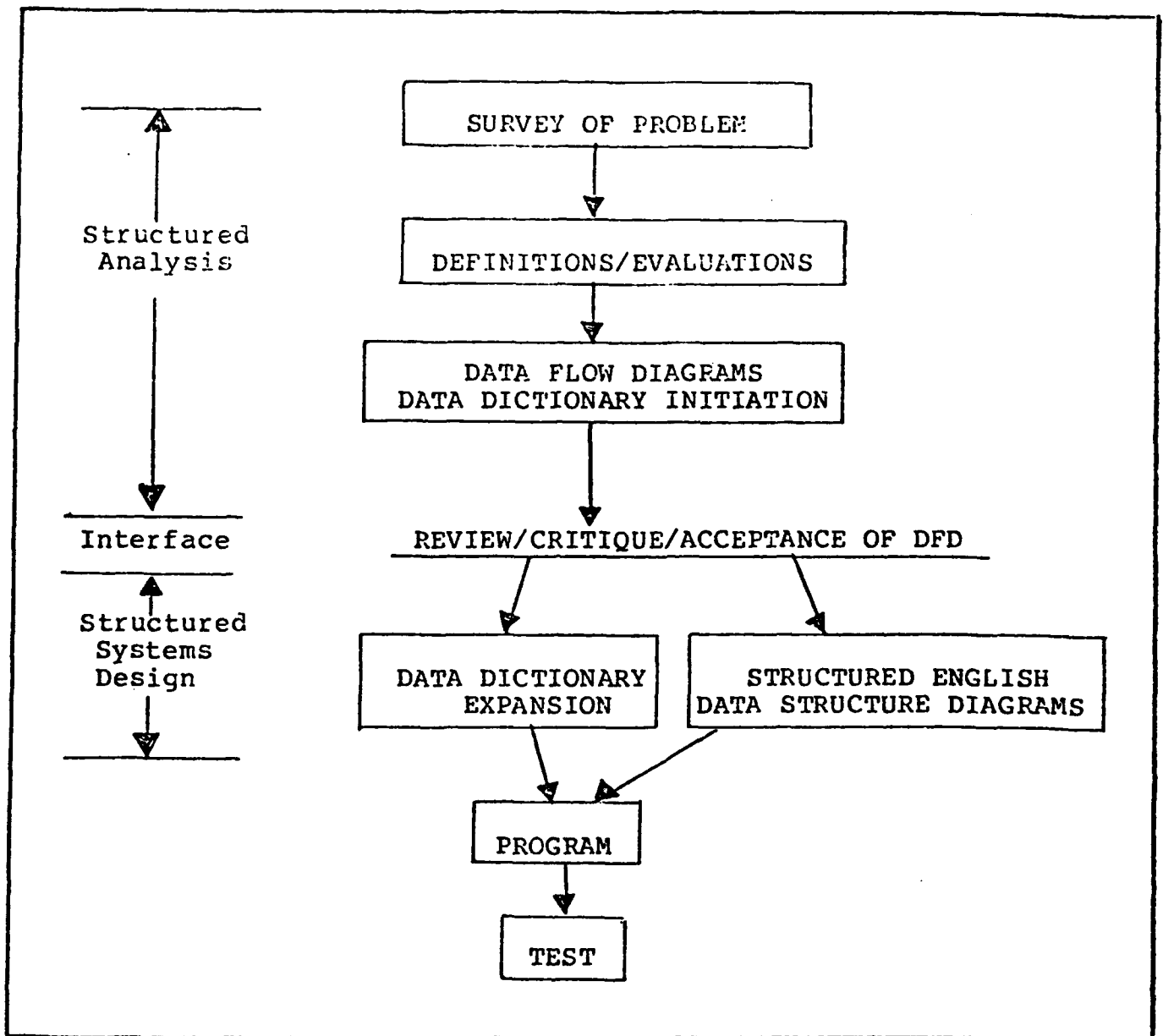


Figure 1. Structured Analysis and Structured Systems Design Organization

4. El.5A - Maintenance Task(s) Definition Concerns
5. El.6A - Other Plan Interfaces with Maintenance Plan
6. El.7A - Maintenance Plan Assessment Summary and Recommendations

Each DFD is keyed to the specific tasks 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 El

First Indenture.....ILS El.3A

Each of the DFDs makes reference to the basic ILS assessment area that it addresses, as well as the level of indenture (explosion) of the DFD. For example, the first or top level DFD "El" refers to the ILS assessment element E-1, Maintenance Plan, listed in Appendix E, AR 700-127. One of the processes (bubbles) on the top level DFD (El.3 - Review Consistency of (baseline) maintenance concept) is expanded (exploded) and identified as El.3A. Alpha A indicates a second level.

Four standard symbols are used in the drawing of a DFD (see Figure 2).

A copy of each DFD is presented in Annex A, accompanied by the Data Dictionary elements. Each entry in the DFDs has a corresponding entry in the Data Dictionary. This Technical Note presents those Data Dictionary entries necessary to coordinate the overall concept and details of the processes, data flows, data stores and external entities. Thus, these definitions immediately follow each DFD.

As the DFDs progress through Structured System Design, the Data Dictionary will continue to be expanded and completed. Since these are working documents and not final submissions, no effort has been devoted to editorial niceties, e.g., spelling, typography, etc.

It is noted that the output structure of Excelerator automatically truncates the number of letters and lines displayed as a function of image size. Thus, in the format size of this report, the full identifying entry is forcibly shortened, introducing the possibility of a misunderstanding. Therefore, in all cases, the identifications are fully presented for the process elements in the text accompanying the diagrams.

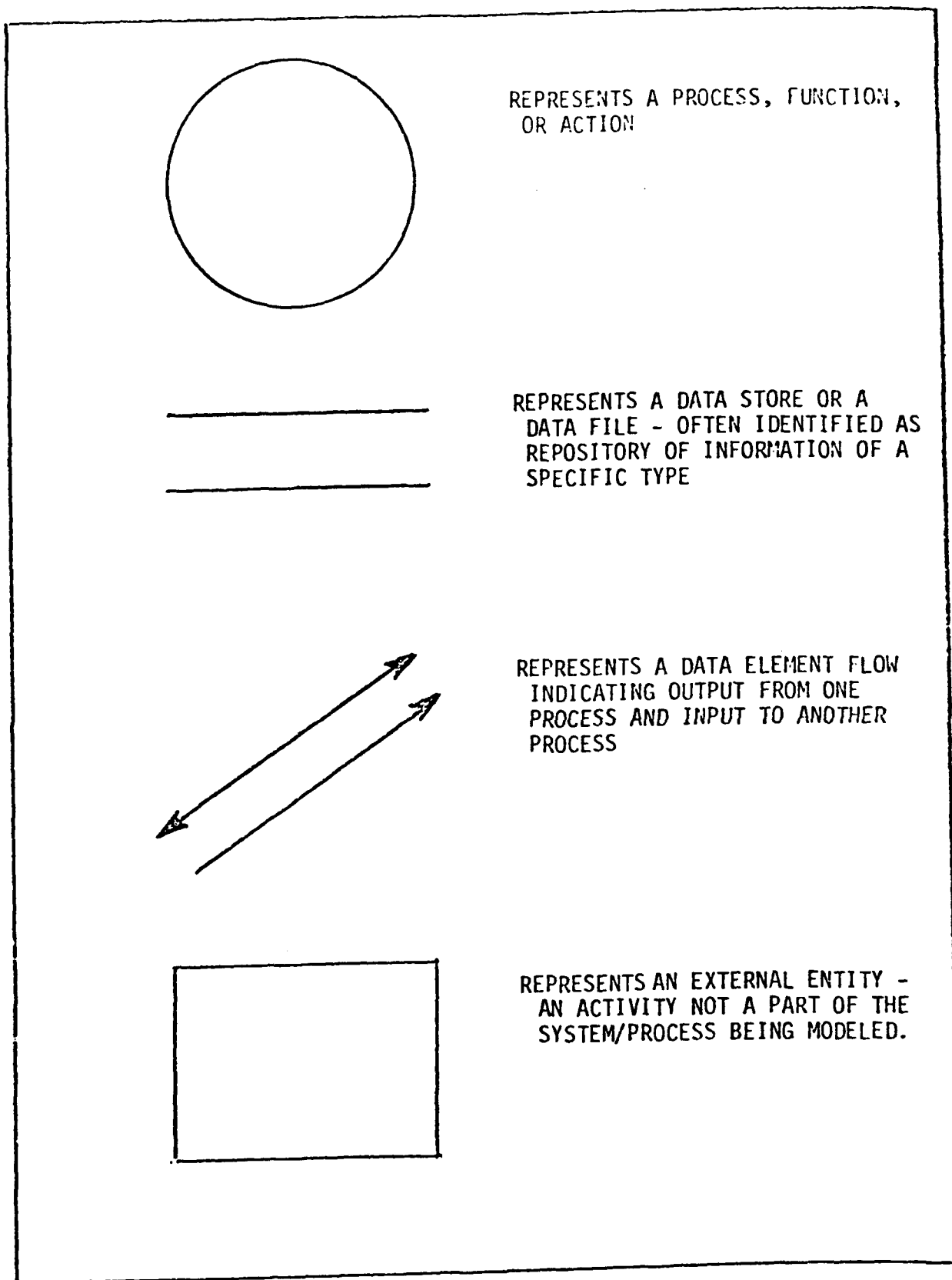


Figure 2. STANDARD DFD SYMBOL DEFINITIONS

APPENDIX A

ILS ASSESSMENT OF MAINTENANCE PLANNING

DATA FLOW DIAGRAMS AND
PROCESS DATA DICTIONARIES

E1

MAINTENANCE PLANNING ASSESSMENT OVERVIEW

Name	Label	Description
E1.1	REVIEW DSGN STATS ASSMNTS FOR LOG IMPACTS	REVIEW DESIGN STATUS ASSESSMENTS FOR LOGISTICAL IMPACTS PURPOSE: This process identifies where we are at in the design cycle and what are the current logistical issues outstanding from the design process. This is an offline and manual process primarily. SOURCE OF DATA: Primary source would be any design and program review minutes, proceedings from any program/design efforts, and/or results of testing, logistical demonstrations or mockup reviews (if available) which would shed light on logistical impacts.
E1.2	REVIEW TASK DOCU- MENTATION CMPLTNESS & FIRMNESS	REVIEW PROGRAM MANAGEMENT DOCUMENTATION FOR COMPLETENESS AND FIRMNESS PURPOSE OF DATA: This process identifies the degree of completion and quality of the LSAR as well as the maturity of the requirements documents, ILSP and other PMD which relate to maintenance planning assessment. It helps determine up-front the degree of intensity or detail to be expected in the Maintenance Plan which will be reviewed during the subsequent processes. SOURCE OF DATA: Acquiring Activity File (AAF) for info on requirements and their status, LSA record sheets, LSAR and LSA task reports as needed.
E1.3	REVIEW CONSISTNCY OF (B)MC TO OPTINAL RSRCE,DSGN	REVIEW CONSISTENCY OF (BASELINE) MAINTENANCE CONCEPT ((B)MC) TO OPERATIONAL RESOURCES AND DESIGN PURPOSE: This process identifies the consistency of the (Baseline) Maintenance Concept proposed /utilized in meeting operational, resource and design requirements. The detailed subprocesses described under this process, tend to address issues which occur early in the design process; as the system matures the items being assessed may already be addressed or decided upon, so the reviewer can make short assessment as why he is skipping the E1.3 process. For example issues concerning usage of the three level structure vs. non-organic maintenance support, identification of resources to execute tasks are addressed in more detail in processes E1.5 and E1.6. SOURCE OF DATA: AAF information on proposed maintenance goals/scenarios, the (B)MC if available from LSAR reports and or separate documents describing it, and data from processes E1.1 and E1.2.
E1.4	REVIEW (P) MAC TO (B) MC FOR CONSISTNCY	REVIEW THE (P)MAC TO (B)MC FOR CONSISTENCY PURPOSE OF DATA: The (Preliminary) Maintenance Allocation Chart is compared to the (Baseline) maintenance concept to identify divergences in what was planned and what is actually resulting. A desired result is that there be no differences; an identified divergence may require that one or both of the plans be adjusted. This process is comparing the "top-down" desires to what the "bottoms-up" efforts are saying. To perform subprocesses in in this action, it may be beneficial to perform all or parts of E1.5 especially as the program matures and actual data is being generated. SOURCE OF DATA: Subassessments from E1.3 indicating how the (B)MC supports the requirements; LSA reports or manual reports on (P)MAC.

DATE: 19-OCT-88
TIME: 12:04

APJ PROJECT 966
DFD E1 PROCESS DEFINITIONS

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
E1.5	REVIEW MAINTENANC TASKS VS RESRCE FOR CONSISTNCY	REVIEW MAINTENANCE TASKS VS RESOURCES FOR CONSISTENCY PURPOSE: This process compares maintenance tasks and maintenance related operational tasks against the resources (as keyed to the ILS Elements) against the resources required to perform these satisfactorily. The initial resource assignments are also checked between themselves for internal consistency and further assessed to see if the overall requirements can be met. This process is similar but can be much more detailed than process E1.4A1. This an offline computer assisted manual process. This process reviews the "bottoms-up" resource assignment efforts closer, whereas the above mentioned process takes on a more "top-down" review approach. The reviewer has the option of reviewing this to the level of detailed desired; not every single maintenance task may need review. Groups of tasks could also be reviewed or only those which from previous experience need to be looked at. If tasks have been validated, only a comment indicating this may be all that is needed. A portion or all of this process may be done before process E1.4A for use of the output information, especially if a detailed review of task related data is desired. It is also possible not to do E1.5 if it has previously been done and it is known that the output data is acceptable. SOURCE OF DATA: Inputs from E1.4; LSA reports with task & resource utilization data; AAF requirements information; available/programmed resources; TOE; QQPRI; SMR Coding.
E1.6	REVIEW SUB PLAN ISSUE S AFFECTIN MAINTENANC PLAN	REVIEW SUB-PLANS FOR EXECUTING MAINTENANCE PLAN PURPOSE OF DATA: This process reviews various logistic support and pertinent acquisition documents which address plans for execution and/or contingencies that affect the Maintenance Planning function as well as those which the Maintenance Planning function may affect in turn. Not all "plans" are stand alone documents, but may be subsections of other plans. This is essentially a task of reviewing documents to insure unity of effort in the development and fielding efforts. SOURCE OF DATA: Program and ILS management documents containing planning information on how the maintenance effort will be carried out. Each of the subtasks under E1.6 will address the specific documents or sources for the information required to accomplish this assessment.
E1.7	ASSESS MAINTENANC PLAN	ASSESS MAINTENANCE PLAN PURPOSE OF DATA: This process is compilative and editive in nature. It takes assesment information stored in the Maintenance Plan files, edits the information, formats it and prints it. The reviewer takes the information derived from all the previous processes and adjusts them for output. This also includes recommendations for corrective action and of course what the reviewer thinks of the maintenance plan. SOURCE OF DATA: Any and all data from any of the previous process as desired by the reviewer; most data should come from maintenance plan assesment file where assesments and process data are compiled.

DATE: 21-OCT-88
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APJ PROJECT 966
DFD E1 DATA FLOW DEFINITIONS

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
CHA/LSAR	CHANGES TO LSAR	FIELD INFORMATION,TYPE,STYLE : Narrative comments. PURPOSE OF DATA : This data identifies any changes that should be made to the LSAR as a result of any errors found or directives to improve or change any process which would affect data on the record sheets. SOURCE DATA : This data is output information summarized from the actions required section of the E1.7.
DES/LOG/IMP	DESIGN AND LOG IMPACT STATEMENTS	DESIGN AND LOGISTICAL IMPACT STATEMENTS FIELD INFORMATION,TYPE,STYLE : These are narrative comments which are prepared by the logistician performing the assessment of the Contractors Maintenance Planning. PURPOSE OF DATA : This data contains design and logistical impact statements which affect or could affect the maintenance plan. SOURCE OF DATA : The review process E1.1
DES/REV/MIN	DESIGN REVIEW MINUTES (CONCEPT)	DESIGN REVIEW MINUTES (INCLUDING CONCEPTUAL DESIGNS) FIELD INFORMATION;TYPE; STYLE : This data contains narrative comments or extracts from various design reviews. SOURCE OF INFORMATION : Various design reviews.
ILS/POLICY/DIRECTIVE	ILS POLICY DIRECTIVES	ILS POLICY DIRECTIVES FIELD INFORMATION,TYPE,STYLE : Narrative comments or extracts from policy documents. PURPOSE OF DATA : Information is used to insure compliance with ILS policies and directives. SOURCE OF DATA : ILS related AR's and DA PAM's (check DA PAM 25-1 microfiche for current list of AR's, PAM's, TM's, FM's, Circulars,etc. in force, check in particular the 70 and 700 series); AMC Supplements to AR's, AMC Regs & PAM's (see current edition of AMC PAMPHLET 25-1 for detailed list,in particular check the 70 and 700 series); Applicable AMC Major Subordinate/ Commodity Command Directives(for AMCCOM see AMCCOMP 310-1 for specific pubs) MIL-STD's (1388-1A, 1388-2A), any applicable DA or AMC policy directives not formally numbered.
INIT/ACT	INITIATE ACTION	
LOG/DTA/ASS	LOG DATA FIRMNESS & COMPLETENESS SUBASSESSMNT	LOGISTICAL DATA FIRMNESS AND COMPLETENESS SUBASSESSMENT FIELD INFORMATION,TYPE ,STYLE : Narrative comments. PURPOSE OF DATA : This assessment provides the reviewer an idea as to how mature the information he is using to make his subsequent assessments . It will also provide him with guidance as to how in depth or how in detail he wants to proceed with this review. SOURCE OF DATA : This is an output from process E1.2 where logistical information is evaluated for completeness and firmness.

DATE: 21-OCT-88
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APJ PROJECT 966
DFD E1 DATA FLOW DEFINITIONS

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
LSA/REP	LSA REPORTS	LOGISTICS SUPPORT ANALYSIS (LSA) REPORTS OR RELATED DOCUMENTS FIELD INFORMATION,TYPE,STYLE : Narrative and numerical comments/extracts from LSAR numbered reports or LSA task performance reports PURPOSE OF DATA : This data is used as input information on which to perform various processes. SOURCE OF DATA : LSAR, LSA task reports not documented in LSAR. Specific report numbers under the LSAR must be selected by subject as required for the specific process. MIL-STD 1388-2A lists the various automated reports and the master data record sheets A-J available. Not all LSA task outputs are recorded on the LSAR; the LSA plan (TASK 201) for the particular system needs to be reviewed to see what tasks where to be done. Once LSA tasks are identified you may need to go to MIL-STD 1388-1A or contract for a review of what is required under the various tasks;this may provide an idea if results will also /not be found in hte LSAR.
LSA/TSK/RCRD	LSA TASKS AND RECORD	
MAIN/PLAN/ASS/WITH/R	MAINT PLAN (OVERALL) ASSMNT WITH REQUIRED ACTIONS	MAINTENANCE PLAN (OVERALL) ASSESSMENTS WITH REQUIRED ACTIONS FIELD INFORMATION,TYPE, STYLE : Narrative comments PURPOSE OF DATA : This data contains all assesments the reviewer has written and edited concerning maintenance plan issues as reviewed in process E1.1 . It in essence is the overall assessment of the maintenance plan . It may contain directive instructions and recommendations to the originator as required. SOURCE OF DATA : All subassesments and pertinent comments as recorded in the maintenance plan assessment file and edited in process E1.7.
MAINT POL DATA	MAINTENANCE POLICIES DATA	MAINTENANCE POLICIES DATA FIELD INFORMATION;TYPE; STYLE : Narrative comments or extracts from the various policies. PURPOSE OF DATA : This data contains the specific regulatory information that is used to review against maintenance plan issues. SOURCE OF DATA : Maintenance policy files such as AR 12-16, AR 700-9, AR 700-82, AR 750-1, AMC-R 700-27, AMC-R 750-10, DA PAM 700-50, DA PAM 738-750, DA PAM 750-21, AMC PAM 700-4, AND AMC PAM 750-2.

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APJ PROJECT 966
DFD E1 DATA FLOW DEFINITIONS

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
MAINT/PLAN/CORRECT/AC	MAINT PLAN (OVERALL) ASSMNT WITH CORRECTIVE ACTIONS	MAINTENANCE PLAN (OVERALL) ASSESSMENTS FOR CORRECTIVE ACTIONS FIELD INFORMATION, TYPE, SYSTEM: Narrative comments PURPOSE OF DATA: This data contains all assessments the reviewer has written and edited concerning maintenance plan issues which require corrective actions. In essence, this data store represents a means of compiling required corrective actions and maintaining surveillance over their status so that the PM or ILSMT can track the progress of the overall maintenance plan deficiencies in these area. SOURCE OF DATA: all subassessments and pertinent comments relative to deficiencies and recommended corrective actions as recorded in the maintenance plan assessment file.
MAINT/PLN/SPTNG/SUBP	MAINT PLAN SUPPORTING SUBPLAN OVERALL ASSMNTS	MAINTENANCE PLAN SUPPORTING SUBPLAN OVERALL ASSESSMENTS FIELD DESCRIPTION;TYPE;STYLE : Roll up of all previous subplan assesments in narrative and numerical comments. PURPOSE OF DATA : This is a summary listing of all supporting maintenance plan subassessments made in process E1.6A. The comments can be organized in a block of information for arranging as the reviewer desires prior to producing the overall maintenance plan assessment. SOURCE OF DATA : Process E1.6A11
NON/LSAR/DOC/DTA	NON LSAR DOCUMENTED DATA	NON LSAR DOCUMENTED DATA FIELD INFORMATION,TYPE;STYLE : Narrative and numerical comments and or extracts from documents which contain logistical significant data which has not been deposited in LSAR. PURPOSE OF DATA : This data contains logistical significant information from reports or documents whose information may not have been placed totally in the LSAR or because the system is not automated. SOURCE OF DATA : Program documents, design specifications or drawings, test & evaluation reports, logistics reports, minutes of reviews, TING reports, or other documents which impact or are impacted by maintenance related issues.
PRI/GUID	PRINCIPLES & GUIDELINES USED	PRINCIPLES AND GUIDELINES USED FIELD INFORMATION, TYPE, STYLE : Narrative comments or extracts from documents containing the maintenance principles and guidelines to be used in the development. PURPOSE OF DATA : The information from this data will be used to help identify type of functions or tasks based on what maintenance principles we are interested or being forced to use SOURCE OF DATA : These maintenance principles and level of repair guidelines can be found in AR 750-1, AMC PAM's listing maintainability guidelines, human engineering related books describing beneficial design features to be included in designs to improve maintainability or eliminate maintenance or improve the man-machine interface.

DATE: 21-OCT-88
TIME: 15:52

APJ PROJECT 966
DFD E1 DATA FLOW DEFINITIONS

PAGE 4
EXCELERATOR 1.8

Name	Label	Description
STA/REQ	STATUS AND RQMNTS	FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments and extracts from requirements documents such as ROC's JSOR's, O&O plans, RAM rationale annexes,etc. Any status information on the project before transitioning to actual development. PURPOSE OF DATA : This data contains information on mandatory or desired requirements which the system must meet. It also provides information on program status prior to actual development. Requirements documents and system specifications may also direct certain principles be adopted during the design, .
SUB/ASS	MAINTENANCE PLAN SUBASSESS- MENTS	MAINTENANCE PLAN SUBASSESSMENTS FIELD INFORMATION,TYPE,STYLE : Narrative comments PURPOSE OF DATA : Data summarizes the reviewer's comments concerning different aspects of the maintenance plan evaluation as captured in the various subprocesses, in order to write a final assessment in process E1.7 SOURCE OF DATA : All data outputs from the evaluation process which are stored in the maintenance assessment file.
SUBASS/PMAC	SUBASSESSMENT OF (P)MAC COMPATIBILTY WITH (B)MP	SUBASSESSMENT OF (P)MAC COMPATIBILITY WITH (B)MP COMPATIBILTY FIELD DESCRIPTION,TYPE,STYLE : Numerical and narrative comments. PURPOSE OF DATA: This data contains information about how synchronized the preliminary or maintenance allocation chart and the baseline or maintenance concepts are. In the early stages these two may be synchronized, then diverge. The key question is whether or not there is a rational explanation for the divergence. SOURCE OF DATA :
SUBASS/REQ	SUBASSESSMENT OF (B)MC COMPATIBILTY WITH RQMNTS	SUBASSESSMENT OF (B)MC COMPATIBILITY WITH REQUIREMENTS FIELD INFORMATION;TYPE;STYLE : narrative comments PURPOSE OF DATA : This data contains the assessments as to how well the maintenance concept supports the requirements of the system. SOURCE OF DATA: Process E1.3 originally but pulled from Maintenance Assessment File
SUBASS/RES/MAINT	SUBASSESMNTS INTERRESOURCE CONSISTENCY WITH MAINTENANCE	SUBASSESSMENTS OF INTERRESOURCE CONSISTENCY WITH MAINTENANCE PLAN FIELD INFORMATION,TYPE,STYLE : Narrrrative comments PURPOSE OF DATA : This contains information as to how synchronized and consistent are the assigned maintenance resources to perform the identified tasks and overall maintenance plan. SOURCE OF DATA : This is output information from process E1.5

DATE: 21-OCT-88
TIME: 15:52

APJ PROJECT 966
DFD E1 DATA FLOW DEFINITIONS

PAGE 5
EXCELERATOR 1.6

Name	Label	Description
SUP/MAINT/SUB/PLAN/D	SUPPORTING MAINTENANCE	SUPPORTING MAINTENANCE SUB PLAN DATA
	SUB-PLAN DATA	FIELD INFORMATION, TYPE, STYLE : Narrative comments
		PURPOSE OF DATA :
		SOURCE OF DATA :

DATE: 19-OCT-88
TIME: 11:42

APJ PROJECT 966
DFD E1 DATA STORES DEFINITION

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
AAAF	ACQUIRING ACTIVITY FILE	CONTAINS THOSE RECORDS, DOCUMENTS, DECISION PAPERS, SCHEDULES THAT WERE PREPARED AS PART OF THE ACQUISITION INITIATION, JUSTIFICATION, AND PLANNING PRIOR TO THE ASSIGNMENT OF A PROGRAM MANAGER. THE ITEMS IN THIS DATA STORE INCLUDE: A. THREAT ANALYSIS DATA B. O&O PLAN C. READINESS OBJECTIVES DATA D. FUNTIONAL REQUIREMENTS DATA E. PROJECTED SCHEDULE DATA F. LOGISTICS RESOURCES DATA G. DESIRED R & M PARAMETERS H. TOA I. TOD J. COST & OPERATIONAL EFFECTIVENESS ANALYSIS (COEA) DATA K. PROJECTED COST DATA L. JUSTIFICATION OF MAJOR SYSTEM NEW START (JMSNS) DATA M. REQUIRED OPERATIONAL CAPABILITY (IF PREPARED PRIOR TO ASSIGNMENT OF PROGRAM MANAGER - ELSE FOUND IN PM FILES)
DR/F	DESIGN REVIEW	DESIGN REVIEW FILE PURPOSE OF DATA STORE : This file contains information onvarious design reviews or minutes from design working groups. It is used to check for logistical interfaces with the design teams. Potential or actual problem areas as wellas areas for design influence should be captured here for recall by the maintenance plan reviewers. SOURCE OF DATA : Preliminary,critical design reviews,internal design review meeting proceedings etc.
ILSP/F	ILSP FILE	INTEGRATED LOGISTICS SUPPORT PLAN PURPOSE OF DATA STORE : This file is the plan where the overall logistics effort plan for a project is documented and reviewed by members of the ILSMT. Any changes or significant observation affecting the plan should be noted in there and also reviewed by ILSMT and program manager personnel as appropriate.
ILSPO/F	ILS POLICY FILE	ILS POLICY FILE PURPOSE OF DATA STORE : This store contains directives, policies,and regulations governing the conduct of ILS on systems. This file will be periodically checked for conformance to it or to seek waivers as necessary. SOURCE OF DATA : AR 70-1, AR 700-127,DA PAM 700-55, MIL-STD 1388-1A & 2A, DOD DIRECTIVES OR INSTRUCTIONS ON THE SUBJECT
LSA/R	LSA/R FILE	LOGISTICS SUPPORT ANALYSIS /LOGISTICS SUPPORT ANALYSIS RECORD FILE PURPOSE OF DATA STORE : This file or records holding area contains LSA Task reports or their equivalent;LSAR master records sheet information ;LSAR reports when system is automated. It contains logistics data which can be used to assess various ILS elements . MIL-STD 1388-1A and 1388-2A should be looked at for complete outputs available.

DATE: 19-OCT-88
TIME: 11:42

APJ PROJECT 966
DFD E1 DATA STORES DEFINITION

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
MAINT/PLAN/COR/	MAINT'CE PLAN CORRECTIVE ACTS	MAINTENANCE PLAN (OVERALL) CORRECTIVE ACTIONS FILE PURPOSE OF DATA STORE: This file contains all references to those items relative to the maintenance plan which were deficient in the assessment and requires changes, modifications, deletions, additions, etc. The recommended or directed corrective actions, action officer, time scheduling, and other related information will be retained in this file for reference by the PM or the ILSMT.
MPA/F	MAINTENANCE PLAN ASSESSMENT	MAINTENANCE PLAN ASSESSMENT FILE PURPOSE OF DATA STORE : This file is used to store information from most processes for recall at any time by the reviewer. Assessments, data notes can be stored here. The reviewer can call up specific sections or roll up all his comments. This file is his notepad. SOURCE OF DATA : The reviewer's inputs as he assesses the various processes affecting the maintenance plan.
NON/LSAR DOC'S	NON LSAR DOCUMENTATION	NON LSAR DOCUMENTATION PURPOSE OF DATA FILE : This file serves as a repository of all project logistical data and documentation which has not been transcribed to an appropriate LSAR data record. These in general will be hard copy reports which may be complete documents or abstracts containing for example the maintenance plan and related information. SOURCE OF INFORMATION : Any and all project documentation such as requirements documents, program management documents such as those listed in APPENDIX F, AR 70-1, AMC/TRADOC PAM 70-2 etc.

Name	Label	Description
P/F	POLICY FILES	CONTAINS THOSE MILITARY PUBLICATIONS, DECISION PAPERS, MISSIONS & FUNCTIONS, etc, WHICH ARE NEEDED TO ESTABLISH THE LOGISTICAL SUPPORT AND REVIEW REQUIREMENTS OF THE ITEM/EQUIPMENT DEVELOPMENT PROGRAM. THIS DATA STORE INCLUDES: 1. AR 12-16, "MUTUAL LOGISTICS SUPPORT BETWEEN THE U.S. AND OTHER NORTH ATLANTIC TREATY ORGANIZATION FORCES" 1a. AR 70-1, "SYSTEMS ACQUISITION POLICY AND PROCEDURES" 1b. AR 70-2, "RESEARCH, DEVELOPMENT, & ACQUISITION MATERIEL STATUS RECORDING" 1c. AR 70-10, "R&D - TEST & EVALUATION DURING DEVELOPMENT AND ACQUISITION OF MATERIEL" 1d. "AR 570-9, "MANPOWER AND EQUIPMENT CONTROL - HOST NATION SUPPORT" 2. AR 700-9, "POLICIES OF THE ARMY LOGISTIC SYSTEM" 3. AR 700-82, "JOINT REGULATION GOVERNING THE USE AND APPLICATION OF UNIFORM SOURCE MAINTENANCE AND RECOVERABILITY CODES" 4. AR 700-127, "INTEGRATED LOGISTICS SUPPPORT" 5. AR 725-50, "REQUISITIONING, RECEIPT AND ISSUE SYSTEM" 6. AR 750-1, "MAINTENANCE OF SUPPLIES & EQUIPMENT - ARMY MATERIEL MAINTENANCE CONCEPTS & POLICIES" 7. AMC-R-700-27, "LEVEL OF REPAIR ANALYSIS (LORA) PROGRAM" 8. AMC-R-750-10, "DEPOT MAINTENANCE INTERSERVICE" 9. DA PAM 700-4 10. DA PAM 700-28, "INTEGRATED LOGISTIC SUPPORT PROGRAM ASSESSMENT ISSUES AND CRITERIA" 11. DA PAM 700-50, "INTEGRATED LOGISTIC SUPPORT - DEVELOPMENTAL SUPPORTABILITY TEST AND EVALUATION GUIDE" 12. DA PAM 700-55, "INSTRUCTIONS FOR PREPARING THE INTEGRATED LOGISTIC SUPPORT PLAN" 12a. DA PAM 738-750, "THE ARMY MAINTENANCE MANAGEMENT SYSTEMS (TAMMS)" 13. DA PAM 750-21, "LOGISTIC SUPPORT MODELLING" 14. AMC PAM 700-4, "LOGISTICS SUPPORT ANALYSIS TECHNIQUES GUIDE (WITH PALMAN)" 14a. AMC PAM 700-11, "LOGISTICS SUPPORT ANALYSIS REVIEW TEAM GUIDE" 15. AMC PAM 750-2, "MAINTENANCE OF SUPPLIES AND EQUIPMENT GUIDE TO RELIABILITY CENTERED MAINTENANCE" 16. MIL-STD-152, "TECH REVIEW GUIDELINES" 17. MIL-STD-210A, "CLIMATIC EXTREMES FOR MILITARY EQUIPMENT" 18. MIL-STD-470, -471, "MAINTAINABILITY STANDARDS" 19. MIL-STD-756, "RELIABILITY MODELLING & PREDICTIONS" 20. MIL-STD-780, "MAINTENANCE ENGINEERING ANALYSIS CONTROL NUMBER (MEACNS) FOR AERONAUTICAL EQUIPMENT, UNIFORM NUMBERING SYSTEM" 21. MIL-STD-781, "RELIABILITY DESIGN QUALIFICATION AND PRODUCTION ACCEPTANCE TESTS: EXPONENTIAL DISTRIBUTION" 22. MIL-STD-785B, "RELIABILITY PROGRAM FOR SYSTEMS AND EQUIPMENT DEVELOPMENT & PRODUCTION" 23. MIL-STD-810, "ENVIRONMENTAL TEST METHODS & ENGINEERING GUIDELINES" 24. MIL-STD-881, "WORK BREAKDOWN STRUCTURES FOR DEFENSE MATERIEL ITEMS" 25. MIL-STD-882, "SYSTEM SAFETY PROGRAM REQUIRMENTS" 26. MIL-STD-965, "PARTS CONTROL PROGRAM" 27. MIL-STD-1369A, "INTEGRATED LOGISTIC SUPPORT PROGRAM REQUIREMENTS" 28. MIL-STD-1388-1A, "LOGISTICS SUPPORT ANALYSIS" 29. MIL-STD-1388-2A, "LOGISTICS SUPPORT ANALYSIS RECORD"

DATE: 19-OCT-88
TIME: 11:43

APJ PROJECT 966
DFD E1 DATA STORES DEFINITION

PAGE 4
EXCELERATOR 1.8

Name	Label	Description
		30. MIL-STD-1629, "PROCEDURES FOR PERFORMING A FAILURE MODE, EFFECTS & CRITICALITY ANALYSIS"
		31. MIL-HDBK-472, "MAINTAINABILITY PREDICTION"
		32. MIL-M-24100B, "FUNCTIONALLY ORIENTED MAINTENANCE MANUALS (FOMM) FOR EQUIPMENT & SYSTEMS"
P/F (2)	POLICY FILES (2) SUPPLEMENT	THIS DATA STORE SUPPLEMENTS THE ITEMS LISTED IN P/F (POLICY FILES). THIS IS NECESSARY ONLY BECAUSE OF THE LIMITATIONS OF THE SOFTWARE THAT LIMITS THE TOTAL NUMBER OF LINES THAT MAY BE RECORDED IN ANY ONE FILE: 1. AR 70-38, "RESEARCH, DEVELOPMENT, TEST & EVALUATION OF MATERIEL FOR EXTREME CLIMATIC CONDITIONS" 2. AR 602-1, "PERSONNEL-MATERIEL SYSTEMS - HUMAN FACTORS ENGINEERING PROGRAM" 3. AR 602-2, "MANPOWER AND PERSONNEL INTEGRATION (MANPRINT) IN MATERIEL ACQUISITION PROCESS" 4. AR 700-47, "LOGISTICS - DEFENSE STANDARDIZATION AND SPECIFICATION PROGRAM" 5. AR 700-60, "LOGISTICS - DEPARTMENT OF DEFENSE PARTS CONTROL PROGRAM" 6. AR 700-129, "MANAGEMENT AND EXECUTION OF INTEGRATED LOGISTIC SUPPORT (ILS) PROGRAMS FOR MULTISERVICE ACQUISITIONS"
SMSR/F	SUPPORTING MAINT SUB-PLANS	SUPPORTING MAINTENANCE SUB-PLANS FILE PURPOSE OF DATA FILE : This file is a compilation of documents, records, minutes of proceedings which contain planning/execution information on maintenance planning issues. It contains information on maintenance related issues concerning T&E, depot support planning, non-organic Army Maintenance structure support, material fielding & transfer, SDC, floats & DX, warranties, battlefield damage & assesment, prepositioned material maintenance, provisioning. SOURCE OF DATA : Source documents for information above.

DATE: 19-OCT-88

TIME: 11:59

APJ PROJECT 966

DFD E1 EXTERNAL ENTITY DEFINITION

PAGE 1

EXCELERATOR 1.8

Name	Label	Description
ILSMT	ILSMT AND PM	THESE ARE THE ACTIVITIES WHICH WILL NORMALLY DIRECT THAT A MAINTENANCE PLAN OR ANY OTHER ASPECT OF THE ILS PROGRAM BE REVIEWED. INFORMATION GOES TO THEM FOR ACTION UNLESS THEY ARE CONDUCTING THE ASSESSMENT THEMSELVES.
PM/ILSMT	PM/ILSMT INITIATE REQRMNT	THE PROGRAM MANAGER OR THOSE ACTIVITIES, AGENCIES, OR AUTHORITIES THAT ARE RESPONSIBLE FOR THE INITITATION OF THE REQUIREMENT FOR AN ILS ELEMENT ASSESSMENT DURING A DEVELOPMENT PROGRAM FOR A SYSTEM AND/OR EQUIPMENT IN ACCORDANCE WITH AR 700-127. THE KEY ACTION (OUTPUT) REQUIRED OF THIS EXTERNAL ENTITY IS THE DIRECTIVE, AUTHORITY, OR OTHER DOCUMENTATION THE INITIATES THE REQUIREMENT FOR THE APPLICATION OF THIS ILS ASSESSMENT TO A SPECIFIC SYSTEM/EQUIPMENT DEVELOPMENT PROGRAM AT A SPECIFIED POINT IN ITS LIFE CYCLE.

E1.3A

(BASELINE) MAINTENANCE
CONCEPT CONCERNS

DATE: 19-OCT-88
TIME: 12:05

APJ PROJECT 966
DFD E1.3A PROCESS DEFINITIONS

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
E1.3A1	RVW TSKS & MISSN ROMN ENVIRONMENT AND DESIGN TS DRVN BY OPRUS, ENVI RO & DESGN	PURPOSE OF DATA PROCESS : This process reviews the operations, support functions and related tasks required by the development system/equipment to perform its designated missions and operations under the various anticipated environmental and operational conditions, as well as those dictated by the design. The intent of this process is to, from a "tops-down" point of view, identify or assess whether the tasks or functions identified appear to be reasonable for the required missions. It also provided an evaluation of how well LSA task 301 has been performed. SOURCE OF DATA: LSAR and LSA 301 task reports; design & logistical impact statements from E1.1 and Logistical data firmness and completion information from E1.2
E1.3A2	REVIEW MAINT PRNC PL & LVL OF RPR GUIDELINES	REVIEW MAINTENANCE PRINCIPLES & LEVEL OF REPAIR GUIDELINES USED PURPOSE OF DATA PROCESS : This process reviews the maintenance principles & level of repair guidelines used in formulating the (B)MC and to be implemented when the (F)MAC is created. It is used as a check to see if level of repair analyses processes really will be or have been used. In case of discard items it reviews to see what rules or policies have been agreed upon to reach this decision. This process is intended to be "tops-down" in approach. Identifying criteria for repair levels is important in coming up with the (B)MC which in turn should drive the detailed generation of a MAC. SOURCE OF DATA: Maintenance policy files which includes regulations, directives on level of repair, best practices; directed actions in the requirements documents; ILSP'S.
E1.3A3	REVIEW PERSONNEL/ NON-PERSNL RESOURCE ROMNTS	REVIEW PERSONNEL/NON-PERSONNEL RESOURCE REQUIREMENTS: PURPOSE OF DATA PROCESS : This process reviews resource requirements in a less detailed and more generalized manner (only the detail needed to review the (B)MC). It reviews tentative manpower as well as materiel and dollars as applicable. A more detailed reviews occurs in process E1.5 later in the lifecycle as the product matures. Mandatory resource constraints are also reviewed as these will affect how the (B)MC and (F)MAC'c will be configured later. SOURCE OF DATA: requirement's documents for constraints/goals; assesment of task & mission breakouts from E1.3A1

DATE: 19-OCT-88
TIME: 12:06

APJ PROJECT 966
DFD E1.3A PROCESS DEFINITIONS

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
E1.3A4	REVIEW (B)MC USE OF 3 LEVEL STRUCTURE	REVIEW(B)MC USE OF 3 LEVEL ARMY MAINTENANCE STRUCTURE PURPOSE OF DATA PROCESS : This process reviews the utilization of the "standard" maintenance structure (unit, intermediate, depot). Tasks are arrayed out on the (B)MC to check to see the amount of usage of the standard structure, keeping in mind any directed usage of a given support method in the requirements document. It is a check to see if the standard structure is being used effectively or whether a different maintenance support structure mix should be considered in formulating the Maintenance Concept. It can be an assessment identifying the desirability or need to use only part of the 3 structure, all of it or to consider another alternative. SOURCE OF DATA : Inputs from E1.3A1, A2, A3 , LSAR
E1.3A5	REVIEW HNS, ISSA, CLS, ICLS ISSUES	REVIEW HOST NATION SUPPORT (HNS), INTERSERVICE SUPPORT AGREEMENTS (ISSA), CONTRACTOR LEVEL SUPPORT (CLS), INTERIM CONTRACTOR LEVEL SUPPORT (ICLS) PURPOSE OF DATA PROCESS : This process takes information on how the 3 level structure is/will be used, other service and allied usage, to identify potential deficiencies or opportunities for an improved maintenance posture using these non-organic support mechanisms. This may be as detailed as the reviewer desires given the stage of product development and previous decisions. SOURCE OF DATA: Operational scenarios from O&O's and mission profiles, proposed equipment deployment schemes and E1.3A4 assessments
E1.3A6	RVW MAINT TASK & LVL TRADEOFFS OR ANALYSS REQUIRED	REVIEW MAINTENANCE TASK & LEVEL TRADEOFFS OR ANALYSIS REQUIRED PURPOSE OF DATA PROCESS : This process takes assessments on organic army support (3 level structure) and non-organic army support (HNS, etc.) and further assesses whether a better combination of support is feasible, or assesses what further analysis is required to better assign tasks with promise to a revised maintenance structure. For example, a function or task whose methodology of handling is still undecided, may be a candidate for further study. This is intended to be a "top-down" process in which detailed data may not be necessary. This process is a check to see that other support concepts have been considered when coming up with a Maintenance Concept. This may not be applicable or may be abbreviated for many systems. SOURCE OF DATA: Organic and non-organic support assessments from E1.3A4, A5.

DATE: 19-OCT-88
TIME: 12:06

APJ PROJECT 966
DFD E1.3A PROCESS DEFINITIONS

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
E1.3A7	ASSESS (B)MC ACHV MNT OF SRO PURPOSE OF DATA PROCESS: & SPRTBLTY RQMNTS	ASSESS (B)MC ACHIEVEMENT OF SRO AND OTHER SUPPORTABILITY REQUIREMENTS This process takes all data generated during the E1.3 subprocesses and checks to see if the proposed (B)MC has a strong potential for meeting supportability requirements given a design that meets its reliability objectives. It checks to see if expected maintainability characteristics of the maintenance structure set up to service the system will negatively affect the SRO. SOURCE OF DATA : RAM data from requirements documents, results from level of repair analyses, test results if available, and information in (B)MC assesment file.

DATE: 21-OCT-88
TIME: 15:53

APJ PROJECT 966
DFD E1.3A DATA FLOW DEFINITIONS

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
ASS/ISSA	ASSMNT OF POTENTIAL USAGE OF HOST NATION SUPPORT (HNS), TNTL USAGE INTERSERVICE SUPPORT (ISSA), CONTRACTOR LEVEL SUPPORT OR INTERIM OF HNS, ISSA, CONTRACTOR LEVEL SUPPORT CLS, ICLS	FIELD INFORMATION, TYPE, STYLE : Narrative comments PURPOSE OF DATA : This data contains the reviewers assessment as to whether non-organic Army maintenance support should be considered. SOURCE OF DATA : This is output data from process E1.3A5
ASS/RES/REQ	ASSMNT OF TENTATIVE RESOURCE RQMNTS	ASSESSMENT OF TENTATIVE RESOURCES REQUIRED FIELD INFORMATION, TYPE, STYLE : Narrative comments PURPOSE OF DATA : This data notes how well the reviewer feels anticipated personnel and non-personnel assets required to execute the tasks or functions have been identified. SOURCE OF DATA : Output data from E1.3A3
ASS/STRU	ASSMNT OF (B)MC USAGE OF 3 LEVEL MAINTENANCE STRUCTURE	ASSESSMENT OF (B)MC USAGE OF 3 ARMY LEVEL MAINTENANCE STRUCTURE FIELD INFORMATION, TYPE, STYLE : Narrative comments PURPOSE OF DATA : This data contains the reviewers assessment as to how well or satisfactory is the usage of the standard 3 level structure or if a better mix or combination should be utilized. This information can be further used to assess if non-organic army maintenance support should be looked at or whether adjustments to the level of repairs should be considered. SOURCE OF DATA : Output data from E1.3A4
ASS/TRAD	ASSMNT OF TRADEOFF ANALYSIS RQRD	ASSESSMENT OF TRADEOFF ANALYSES REQUIRED FIELD INFORMATION, TYPE, STYLE : Narrative comments PURPOSE OF DATA : This data contains the reviewers comments concerning any further study which should be made to optimize the assignment of tasks to different levels of repair or to non-organic maintenance SOURCE OF DATA : This data is output from process E1.3A6 .
ASS/TSK/TO/MSN/ID	ASSESMNT OF TASK TO MISSION IDENTIFICA-	ASSESSMENTS OF TASKS OR FUNCTIONS TO MISSION IDENTIFICATIONS FIELD INFORMATION, TYPE, STYLE : Narrative comments PURPOSE OF DATA : This data contains the information which addresses the reviewer's comments on how well he feels the anticipated or required functions or tasks have been identified in order to complete the expected support missions . The data will be used to further evaluate how well the proposed maintenance structure has been selected as well as whether anticipated resources have been adequately identified. SOURCE OF DATA : This is an output from process E1.3A1

DATE: 21-OCT-88
TIME: 15:53

APJ PROJECT 966
DFD E1.3A DATA FLOW DEFINITIONS

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
DES/LOG/IMP	DESIGN AND LOG IMPACT STATEMENTS	FIELD INFORMATION,TYPE,STYLE : These are narrative comments which are prepared by the logistician performing the assessment of the Contractors Maintenance Planning. PURPOSE OF DATA : This data contains design and logistical impact statements which affect or could affect the maintenance plan. SOURCE OF DATA : The review process E1.1
LOG/DTA/ASS	LOG DATA FIRMNESS & COMPLETENESS SUBASSESSMNT	LOGISTICAL DATA FIRMNESS AND COMPLETENESS SUBASSESSMENT FIELD INFORMATION,TYPE ,STYLE : Narrative comments. PURPOSE OF DATA : This assessment provides the reviewer an idea as to how mature the information he is using to make his subsequent assessments . It will also provide him with guidance as to how in depth or how in detail he wants to proceed wtih this review. SOURCE OF DATA : This is an output from process E1.2 where logistical information is evaluated for completeness and firmness.
MAINT POL DATA	MAINTENANCE POLICIES DATA	FIELD INFORMATION;TYPE; STYLE : Narrative comments or extracts from the various policies. PURPOSE OF DATA : This data contains the specific regulatory information that is used to review against maintenance plan issues. SOURCE OF DATA : Maintenance policy files such as AR 12-16, AR 700-9, AR 700-82, AR 750-1, AMC-R 700-27, AMC-R 750-10, DA PAM 700-50, DA PAM 738-750, DA PAM 750-21, AMC PAM 700-4, AND AMC PAM 750-2.
PRI/GUID	PRINCIPLES & GUIDELINES USED	FIELD INFORMATION, TYPE, STYLE : Narrative comments or extracts from documents containing the maintenance principles and guidelines to be used in the development. PURPOSE OF DATA : The information from this data will be used to help identify type of functions or tasks based on what maintenance principles we are interested or being forced to use SOURCE OF DATA : These maintenance principles and level of repair guidelines can be found in AR 750-1, AMC PAM's listing maintainability guidelines, human engineering related books describing beneficial design features to be included in designs to improve maintainability or eliminate maintenance or improve the man-machine interface.

DATE: 21-OCT-88
TIME: 15:53

APJ PROJECT 966
DFD E1.3A DATA FLOW DEFINITIONS

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
STA/REQ	STATUS AND RQMNTS	FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments and extracts from requirements documents such as ROC's JSOR's, O&O plans, RAM rationale annexes,etc. Any status information on the project before transitioning to actual development. PURPOSE OF DATA : This data contains information on mandatory or desired requirements which the system must meet. It also provides information on program status prior to actual development. Requirements documents and system specifications may also direct certain principles be adopted during the design,.
SUB/ASS/(B)MC	SUB ASSESMNT ABOUT (B)MC	FIELD INFORMATION,TYPE, STYLE : These are the same output assessments described in the E1.3A processes; the only difference is that they are being extracted from the (B)MC assessment file, which is a "notepad". PURPOSE OF DATA : This data summarizes all the earlier subassessments in one place. It will be used to further assess whether the SRO and other supportability requirements can be met. SOURCE OF DATA : Output from all the E1.3A processes.
SUBASS/REQ	SUBASSESSMENT OF (B)MC COMPATIBILTY WITH RQMNTS	FIELD INFORMATION;TYPE;STYLE : narrative comments PURPOSE OF DATA : This data contains the assessments as to how well the maintenance concept supports the requirements of the system. SOURCE OF DATA: Process E1.3 originally but pulled from Maintenance Assessment File
SUBASS/RES/MAINT	SUBASSESMTS INTERRESOURCE CONSISTENCY WITH MAINTENANCE	FIELD INFORMATION,TYPE,STYLE : Narrrative comments PURPOSE OF DATA : This contains information as to how synchronized and consistent are the assigned maintenance resources to perform the identified tasks and overall maintenance plan. SOURCE OF DATA : This is output information from process E1.5

DATE: 19-OCT-88
TIME: 11:44

APJ PROJECT 966
DFD E1.3A DATA STORES DEFINITION

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
(B)MC/ASS/F	(B)MC ASSESMNT FILE	PURPOSE OF DATA FILE : This file is an internal storage file for process E1.4 where interim comments or assessments relating to maintenance concepts as they relate to the requirements are addressed.
AAF	ACQUIRING ACTIVITY FILE	CONTAINS THOSE RECORDS, DOCUMENTS, DECISION PAPERS, SCHEDULES THAT WERE PREPARED AS PART OF THE ACQUISITION INITIATION, JUSTIFICATION, AND PLANNING PRIOR TO THE ASSIGNMENT OF A PROGRAM MANAGER. THE ITEMS IN THIS DATA STORE INCLUDE: A. THREAT ANALYSIS DATA B. O&O PLAN C. READINESS OBJECTIVES DATA D. FUNTIONAL REQUIREMENTS DATA E. PROJECTED SCHEDULE DATA F. LOGISTICS RESOURCES DATA G. DESIRED R & M PARAMETERS H. TOA I. TOD J. COST & OPERATIONAL EFFECTIVENESS ANALYSIS (COEA) DATA K. PROJECTED COST DATA L. JUSTIFICATION OF MAJOR SYSTEM NEW START (JMSNS) DATA M. REQUIRED OPERATIONAL CAPABILITY (IF PREPARED PRIOR TO ASSIGNMENT OF PROGRAM MANAGER - ELSE FOUND IN PM FILES)
MPA/F	MAINTENANCE PLAN ASSESSMENT	MAINTENANCE PLAN ASSESSMENT FILE PURPOSE OF DATA STORE : This file is used to store information from most processes for recall at any time by the reviewer. Assessments, data notes can be stored here. The reviewer can call up specific sections or roll up all his comments. This file is his notepad. SOURCE OF DATA : The reviewer's inputs as he assesses the various processes affecting the maintenance plan.

DATE: 19-OCT-88
TIME: 11:44

APJ PROJECT 966
DFD E1.3A DATA STORES DEFINITION

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
P/F	POLICY FILES	CONTAINS THOSE MILITARY PUBLICATIONS, DECISION PAPERS, MISSIONS & FUNCTIONS, etc, WHICH ARE NEEDED TO ESTABLISH THE LOGISTICAL SUPPORT AND REVIEW REQUIREMENTS OF THE ITEM/EQUIPMENT DEVELOPMENT PROGRAM. THIS DATA STORE INCLUDES: 1. AR 12-16, "MUTUAL LOGISTICS SUPPORT BETWEEN THE U.S. AND OTHER NORTH ATLANTIC TREATY ORGANIZATION FORCES" 1a. AR 70-1, "SYSTEMS ACQUISITION POLICY AND PROCEDURES" 1b. AR 70-2, "RESEARCH, DEVELOPMENT, & ACQUISITION MATERIEL STATUS RECORDING" 1c. AR 70-10, "R&D - TEST & EVALUATION DURING DEVELOPMENT AND ACQUISITION OF MATERIEL" 1d. "AR 570-9, "MANPOWER AND EQUIPMENT CONTROL - HOST NATION SUPPORT" 2. AR 700-9, "POLICIES OF THE ARMY LOGISTIC SYSTEM" 3. AR 700-82, "JOINT REGULATION GOVERNING THE USE AND APPLICATION OF UNIFORM SOURCE MAINTENANCE AND RECOVERABILITY CODES" 4. AR 700-127, "INTEGRATED LOGISTICS SUPPORT" 5. AR 725-50, "REQUISITIONING, RECEIPT AND ISSUE SYSTEM" 6. AR 750-1, "MAINTENANCE OF SUPPLIES & EQUIPMENT - ARMY MATERIEL MAINTENANCE CONCEPTS & POLICIES" 7. AMC-R-700-27, "LEVEL OF REPAIR ANALYSIS (LORA) PROGRAM" 8. AMC-R-750-10, "DEPOT MAINTENANCE INTERSERVICE" 9. DA PAM 700-4 10. DA PAM 700-28, "INTEGRATED LOGISTIC SUPPORT PROGRAM ASSESSMENT ISSUES AND CRITERIA" 11. DA PAM 700-50, "INTEGRATED LOGISTIC SUPPORT - DEVELOPMENTAL SUPPORTABILITY TEST AND EVALUATION GUIDE" 12. DA PAM 700-55, "INSTRUCTIONS FOR PREPARING THE INTEGRATED LOGISTIC SUPPORT PLAN" 12a. DA PAM 738-750, "THE ARMY MAINTENANCE MANAGEMENT SYSTEMS (TAMMS)" 13. DA PAM 750-21, "LOGISTIC SUPPORT MODELLING" 14. AMC PAM 700-4, "LOGISTICS SUPPORT ANALYSIS TECHNIQUES GUIDE (WITH PALMAN)" 14a. AMC PAM 700-11, "LOGISTICS SUPPORT ANALYSIS REVIEW TEAM GUIDE" 15. AMC PAM 750-2, "MAINTENANCE OF SUPPLIES AND EQUIPMENT GUIDE TO RELIABILITY CENTERED MAINTENANCE" 16. MIL-STD-152, "TECH REVIEW GUIDELINES" 17. MIL-STD-210A, "CLIMATIC EXTREMES FOR MILITARY EQUIPMENT" 18. MIL-STD-470, -471, "MAINTAINABILITY STANDARDS" 19. MIL-STD-756, "RELIABILITY MODELLING & PREDICTIONS" 20. MIL-STD-780, "MAINTENANCE ENGINEERING ANALYSIS CONTROL NUMBER (MEACNS) FOR AERONAUTICAL EQUIPMENT, UNIFORM NUMBERING SYSTEM" 21. MIL-STD-781, "RELIABILITY DESIGN QUALIFICATION AND PRODUCTION ACCEPTANCE TESTS: EXPONENTIAL DISTRIBUTION" 22. MIL-STD-785B, "RELIABILITY PROGRAM FOR SYSTEMS AND EQUIPMENT DEVELOPMENT & PRODUCTION" 23. MIL-STD-810, "ENVIRONMENTAL TEST METHODS & ENGINEERING GUIDELINES" 24. MIL-STD-881, "WORK BREAKDOWN STRUCTURES FOR DEFENSE MATERIEL ITEMS" 25. MIL-STD-882, "SYSTEM SAFETY PROGRAM REQUIREMENTS" 26. MIL-STD-965, "PARTS CONTROL PROGRAM" 27. MIL-STD-1369A, "INTEGRATED LOGISTIC SUPPORT PROGRAM REQUIREMENTS" 28. MIL-STD-1388-1A, "LOGISTICS SUPPORT ANALYSIS" 29. MIL-STD-1388-2A, "LOGISTICS SUPPORT ANALYSIS RECORD"

DATE: 19-OCT-88
TIME: 11:44

APJ PROJECT 966
DFD E1.3A DATA STORES DEFINITION

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
		30. MIL-STD-1629, "PROCEDURES FOR PERFORMING A FAILURE MODE, EFFECTS & CRITICALITY ANALYSIS"
		31. MIL-HDBK-472, "MAINTAINABILITY PREDICTION"
		32. MIL-M-24100B, "FUNCTIONALY ORIENTED MAINTENANCE MANUALS (FOMM) FOR EQUIPMENT & SYSTEMS"
F/F (2)	POLICY FILES (2) SUPPLEMENT	THIS DATA STORE SUPPLEMENTS THE ITEMS LISTED IN P/F (POLICY FILES). THIS IS NECESSARY ONLY BECAUSE OF THE LIMITATIONS OF THE SOFTWARE THAT LIMITS THE TOTAL NUMBER OF LINES THAT MAY BE RECORDED IN ANY ONE FILE: 1. AR 70-38, "RESEARCH, DEVELOPMENT, TEST & EVALUATION OF MATERIEL FOR EXTREME CLIMATIC CONDITIONS" 2. AR 602-1, "PERSONNEL-MATERIEL SYSTEMS - HUMAN FACTORS ENGINEERING PROGRAM" 3. AR 602-2, "MANPOWER AND PERSONNEL INTEGRATION (MANPRINT) IN MATERIEL ACQUISITION PROCESS" 4. AR 700-47, "LOGISTICS - DEFENSE STANDARDIZATION AND SPECIFICATION PROGRAM" 5. AR 700-60, "LOGISTICS - DEPARTMENT OF DEFENSE PARTS CONTROL PROGRAM" 6. AR 700-129, "MANAGEMENT AND EXECUTION OF INTEGRATED LOGISTIC SUPPORT (ILS) PROGRAMS FOR MULTISERVICE ACQUISITIONS"

E1.4A

(PRELIMINARY) MAINTENANCE ALLOCATION
CHART CONCERNS

Name	Label	Description
E1.4A1	REVIEW (P)MAC FOR LEVEL OF REPAIR ANALYSIS	VIEW (P)MAC FOR LEVEL OF REPAIR ANALYSIS PLANS AND THEIR EXECUTION PURPOSE OF DATA PROCESS : This process rechecks to see if the level of repair analyses and RCM studies were actually performed. A check on repair/discard decision methodology is also looked at when the (P)MAC was generated. SOURCE OF DATA: Maintenance plan assesment file which contains info from process E1.3A2; LSA reports or LSAR record data describing (P)MAC and (B)MC; info from any requirements documents/maintenance policy directives mandating certain repair level actions.
E1.4A2	REVIEW (P)MAC/VAL & VERIF'ON EFFORTS	REVIEW (P)MAC VALIDATION AND VERIFICATION EFFORTS PURPOSE OF DATA PROCESS : This process reviews the proposed (P)MAC and checks to see the degree to which the maintenance allocations have been demonstrated to be acceptable based on test and maintenance demonstrations or teardowns. SOURCE OF DATA: LSA reports listing (P)MAC data and T&E reports.
E1.4A3	REVIEW COM PATIBILITY OF (P)MAC WITH (B)MC	REVIEW COMPATIBILITY OF (P)MAC WITH (B)MC PURPOSE OF DATA PROCESS : This process further checks for agreement in what was proposed in the maintenance concepts to what is actually being assigned and checks the consistency of the (P)MAC with the LSAR and the system hardware breakdown structure. If a maintenance allocation does not conform with the intent of the concept, either or both of these items may need to be adjusted. As a project matures it may be advantageous to perform process E1.5 First if a detailed review is desired. In the early phases of a project or after conclusion of process E1.5 has been declared acceptable, one can proceed as indicated in the flow diagram. SOURCE OF DATA: Information on the goodness of fit between the (B)MC and the requirements from process E1.3 and assesment inputs from process E1.4A2 showing how well the (P)MAC has actually tested out; LSAR information showing (P)MAC AND (B)MC information/listings.
E1.4A4	REVIEW IF SRO AND SUPORTBLTY RQRMNTS ARE MET	REVIEW TO SEE THAT THE SRO AND SUPPORTABILITY OBJECTIVES ARE MET PURPOSE OF DATA PROCESS : This process checks to see that the proposed (P)MAC, which ideally should now be in consonance with the (B)MC, will not adversely affect the SRO and supportability objectives given a system design that meets the reliability objectives set for it. If the SRO is not adversely affected and these two items are in consonance a positive assesment this can now be made. If these items were in consonance but affected the SRO and other supportability requirements, it would not be a positive assesment unless changes could be implemented to meet these goals. SOURCE OF DATA: RAM data from LSAR or requirements document; results of level of repair analyses/modeling.

DATE: 21-OCT-88
TIME: 15:54

APJ PROJECT 966
DFD E1.4A DATA FLOW DEFINITIONS

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
ASS/LR/EXE	ASSESSMNT OF LEVEL OF REPAIR PLNS & EXECUTION	ASSESSMENT OF LEVEL OF REPAIR PLANS AND THEIR EXECUTION FIELD INFORMATION,TYPE,STYLE : Narrative comments PURPOSE OF DATA : This data contains information on how the reviewer evaluated the level of repair plans and their subsequent execution. SOURCE OF DATA : Output assessments from the E1.A1 process
ASS/STRU/PMAC	ASSESSMNT OF STRUCTURAL CONSISTENCY OF (P)MAC TO (B)MC	ASSESSMENT OF STRUCTURAL CONSISTENCY OF (P)MAC TO (B)MC FIELD INFORMATION,TYPE,STYLE : Narrative comments PURPOSE OF DATA : This data is used to further assess if the maintenance concept and maintenance allocations are supportive and do not detract from the supportability objectives and SRO's. SOURCE OF DATA: Output assessments from process E1.4A3
ASS/TSL/LVL	ASSESSMNTS OF TASK LVL ASSGNMNTS	ASSESSMENT OF TASK LEVEL ASSIGNMENTS FIELD INFORMATION,TYPE,STYLE : Narrative comments PURPOSE OF DATA : The information provided here is subsequently used to help assess, in conjunction with any test results, how valid were the maintenance allocations, a key component of the maintenance plan. SOURCE OF DATA : Output assessment data from process E1.4A2.
LSA/REP	LSA REPORTS	LOGISTICS SUPPORT ANALYSIS (LSA) REPORTS OR RELATED DOCUMENTS FIELD INFORMATION,TYPE,STYLE : Narrative and numerical comments/extracts from LSAR numbered reports or LSA task performance reports PURPOSE OF DATA : This data is used as input information on which to perform various processes. SOURCE OF DATA : LSAR, LSA task reports not documented in LSAR. Specific report numbers under the LSAR must be selected by subject as required for the specific process. MIL-STD 1388-2A lists the various automated reports and the master data record sheets A-J available. Not all LSA task outputs are recorded on the LSAR; the LSA plan (TASK 201) for the particular system needs to be reviewed to see what tasks where to be done. Once LSA tasks are identified you may need to go to MIL-STD 1388-1A or contract for a review of what is required under the various tasks;this may provide an idea if results will also /not be found in hte LSAR.
MAINT POL DATA	MAINTENANCE POLICIES DATA	MAINTENANCE POLICIES DATA FIELD INFORMATION,TYPE, STYLE : Narrative comments or extracts from the various policies. PURPOSE OF DATA : This data contains the specific regulatory information that is used to review against maintenance plan issues. SOURCE OF DATA : Maintenance policy files such as AR 12-16, AR 700-9, AR 700-82, AR 750-1, AMC-R 700-27, AMC-R 750-10, DA PAM 700-50, DA PAM 738-750, DA PAM 750-21, AMC PAM 700-4, AND AMC PAM 750-2.

DATE: 21-OCT-88
TIME: 15:54

APJ PROJECT 966
DFD E1.4A DATA FLOW DEFINITIONS

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
MPA/DATA	MAINTENANCE PLAN ASSESMNT DATA	MAINTENANCE PLAN ASSESSMENT DATA FIELD INFORMATION;TYPE;STYLE : Narrative comments PURPOSE OF DATA : This data contains information that is outputted from the maintenance plan assessment processes. It is used as input to other sub processes as needed. Assessments from a previously performed process can be extracted without having to do the process all over to obtain the same information. SOURCE OF DATA : Maintenance plan assessment file
STA/REQ	STATUS AND REQMNTS	STATUS AND REQUIREMENTS FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments and extracts from requirements documents such as ROC's JSOR's, O&O plans, RAM rationale annexes,etc. Any status information on the project before transitioning to actual development. PURPOSE OF DATA : This data contains information on mandatory or desired requirements which the system must meet. It also provides information on program status prior to actual development. Requirements documents and system specifications may also direct certain principles be adopted during the design, .
SUBASS/PMAC	SUBASSESSMENT OF (P)MAC COMPATIBILTY WITH (B)MP	SUBASSESSMENT OF (P)MAC COMPATIBILITY WITH (B)MP FIELD DESCRIPTION,TYPE,STYLE : Numerical and narrative comments. PURPOSE OF DATA: This data contains information about how synchronized the preliminary or maintenance allocation chart and the baseline or maintenance concepts are. In the early stages these two may be synchronized, then diverge. The key question is whether or not there is a rational explanation for the divergence. SOURCE OF DATA :
SUBASS/REQ	SUBASSESSMENT OF (B)MC COMPATIBILTY WITH REQMNTS	SUBASSESSMENT OF (B)MC COMPATIBILITY WITH REQUIREMENTS FIELD INFORMATION;TYPE;STYLE : narrative comments PURPOSE OF DATA : This data contains the assessments as to how well the maintenance concept supports the requirements of the system. SOURCE OF DATA: Process E1.3 originally but pulled from Maintenance Assessment File
SUBASS/RES/MAINT	SUBASSESSMNTS OF INTERRESOURCE CONSISTENCY WITH MAINTENANCE	SUBASSESSMENTS OF INTERRESOURCE CONSISTENCY WITH MAINTENANCE PLAN FIELD INFORMATION,TYPE,STYLE : Narrrative comments PURPOSE OF DATA : This contains information as to how synchronized and consistent are the assigned maintenance resources to perform the identified tasks and overall maintenance plan. SOURCE OF DATA : This is output information from process E1.5

DATE: 21-OCT-88
TIME: 15:54

APJ PROJECT 966
DFD E1.4A DATA FLOW DEFINITIONS

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
T & E Data	TEST & EVALUATION DATA	TEST AND EVALUATION DATA FIELD INFORMATION;TYPE; STYLE : narrative comments or extracts from T&E documents. PURPOSE OF DATA : This data is used to help assess maintenance task, concept, allocation validations .It can also be used to assess the status of open T&E actions including maintenance demonstrations or teardowns. SOURCE OF DATA : Test & evaluation, maintenance demonstration/teardown plans and results.

DATE: 19-OCT-88
TIME: 11:45

APJ PROJECT 966
DFD E1.4A DATA STORES DEFINITION

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
AAF	ACQUIRING ACTIVITY FILE	CONTAINS THOSE RECORDS, DOCUMENTS, DECISION PAPERS, SCHEDULES THAT WERE PREPARED AS PART OF THE ACQUISITION INITIATION, JUSTIFICATION, AND PLANNING PRIOR TO THE ASSIGNMENT OF A PROGRAM MANAGER. THE ITEMS IN THIS DATA STORE INCLUDE: A. THREAT ANALYSIS DATA B. O&O PLAN C. READINESS OBJECTIVES DATA D. FUNTIONAL REQUIREMENTS DATA E. PROJECTED SCHEDULE DATA F. LOGISTICS RESOURCES DATA G. DESIRED R & M PARAMETERS H. TOA I. TOD J. COST & OPERATIONAL EFFECTIVENESS ANALYSIS (COEA) DATA K. PROJECTED COST DATA L. JUSTIFICATION OF MAJOR SYSTEM NEW START (JMSNS) DATA M. REQUIRED OPERATIONAL CAPABILITY (IF PREPARED PRIOR TO ASSIGNMENT OF PROGRAM MANAGER - ELSE FOUND IN PM FILES)
LSA/R	LSA/R FILE	LOGISTICS SUPPORT ANALYSIS /LOGISTICS SUPPORT ANALYSIS RECORD FILE PURPOSE OF DATA STORE : This file or records holding area contains LSA Task reports or their equivalent;LSAR master records sheet information ;LSAR reports when system is automated. It contains logistics data which can be used to assess various ILS elements . MIL-STD 1388-1A and 1388-2A should be looked at for complete outputs available.
MPA/F	MAINTENANCE PLAN ASSESSMENT	MAINTENANCE PLAN ASSESSMENT FILE PURPOSE OF DATA STORE : This file is used to store information form most processes for recall at any time by the reviewer. Assessments,data notes can be stored here. The reviewer can call up specific sections or roll up all his comments. This file is his notepad. SOURCE OF DATA : The reviewer's inputs as he assesses the various processes affecting the maintenance plan.

DATE: 19-OCT-88
TIME: 11:45

APJ PROJECT 966
DFD E1.4A DATA STORES DEFINITION

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
P/F	POLICY FILES	CONTAINS THOSE MILITARY PUBLICATIONS, DECISION PAPERS, MISSIONS & FUNCTIONS, etc, WHICH ARE NEEDED TO ESTABLISH THE LOGISTICAL SUPPORT AND REVIEW REQUIREMENTS OF THE ITEM/EQUIPMENT DEVELOPMENT PROGRAM. THIS DATA STORE INCLUDES: 1. AR 12-16, "MUTUAL LOGISTICS SUPPORT BETWEEN THE U.S. AND OTHER NORTH ATLANTIC TREATY ORGANIZATION FORCES" 1a. AR 70-1, "SYSTEMS ACQUISITION POLICY AND PROCEDURES" 1b. AR 70-2, "RESEARCH, DEVELOPMENT, & ACQUISITION MATERIEL STATUS RECORDING" 1c. AR 70-10, "R&D - TEST & EVALUATION DURING DEVELOPMENT AND ACQUISITION OF MATERIEL" 1d. "AR 570-9, "MANPOWER AND EQUIPMENT CONTROL - HOST NATION SUPPORT" 2. AR 700-9, "POLICIES OF THE ARMY LOGISTIC SYSTEM" 3. AR 700-82, "JOINT REGULATION GOVERNING THE USE AND APPLICATION OF UNIFORM SOURCE MAINTENANCE AND RECOVERABILITY CODES" 4. AR 700-127, "INTEGRATED LOGISTICS SUPPORT" 5. AR 725-50, "REQUISITIONING, RECEIPT AND ISSUE SYSTEM" 6. AR 750-1, "MAINTENANCE OF SUPPLIES & EQUIPMENT - ARMY MATERIEL MAINTENANCE CONCEPTS & POLICIES" 7. AMC-R-700-27, "LEVEL OF REPAIR ANALYSIS (LORA) PROGRAM" 8. AMC-R-750-10, "DEPOT MAINTENANCE INTERSERVICE" 9. DA PAM 700-4 10. DA PAM 700-28, "INTEGRATED LOGISTIC SUPPORT PROGRAM ASSESSMENT ISSUES AND CRITERIA" 11. DA PAM 700-50, "INTEGRATED LOGISTIC SUPPORT - DEVELOPMENTAL SUPPORTABILITY TEST AND EVALUATION GUIDE" 12. DA PAM 700-55, "INSTRUCTIONS FOR PREPARING THE INTEGRATED LOGISTIC SUPPORT PLAN" 12a. DA PAM 738-750, "THE ARMY MAINTENANCE MANAGEMENT SYSTEMS (TAMMS)" 13. DA PAM 750-21, "LOGISTIC SUPPORT MODELLING" 14. AMC PAM 700-4, "LOGISTICS SUPPORT ANALYSIS TECHNIQUES GUIDE (WITH PALMAN)" 14a. AMC PAM 700-11, "LOGISTICS SUPPORT ANALYSIS REVIEW TEAM GUIDE" 15. AMC PAM 750-2, "MAINTENANCE OF SUPPLIES AND EQUIPMENT GUIDE TO RELIABILITY CENTERED MAINTENANCE" 16. MIL-STD-152, "TECH REVIEW GUIDELINES" 17. MIL-STD-210A, "CLIMATIC EXTREMES FOR MILITARY EQUIPMENT" 18. MIL-STD-470, -471, "MAINTAINABILITY STANDARDS" 19. MIL-STD-756, "RELIABILITY MODELLING & PREDICTIONS" 20. MIL-STD-780, "MAINTENANCE ENGINEERING ANALYSIS CONTROL NUMBER (MEACNS) FOR AERONAUTICAL EQUIPMENT, UNIFORM NUMBERING SYSTEM" 21. MIL-STD-781, "RELIABILITY DESIGN QUALIFICATION AND PRODUCTION ACCEPTANCE TESTS: EXPONENTIAL DISTRIBUTION" 22. MIL-STD-785B, "RELIABILITY PROGRAM FOR SYSTEMS AND EQUIPMENT DEVELOPMENT & PRODUCTION" 23. MIL-STD-810, "ENVIRONMENTAL TEST METHODS & ENGINEERING GUIDELINES" 24. MIL-STD-881, "WORK BREAKDOWN STRUCTURES FOR DEFENSE MATERIEL ITEMS" 25. MIL-STD-882, "SYSTEM SAFETY PROGRAM REQUIREMENTS" 26. MIL-STD-965, "PARTS CONTROL PROGRAM" 27. MIL-STD-1369A, "INTEGRATED LOGISTIC SUPPORT PROGRAM REQUIREMENTS" 28. MIL-STD-1388-1A, "LOGISTICS SUPPORT ANALYSIS" 29. MIL-STD-1388-2A, "LOGISTICS SUPPORT ANALYSIS RECORD"

DATE: 19-OCT-88
TIME: 11:46

APJ PROJECT 966
DFD E1.4A DATA STORES DEFINITION

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
		30. MIL-STD-1629, "PROCEDURES FOR PERFORMING A FAILURE MODE, EFFECTS & CRITICALITY ANALYSIS"
		31. MIL-HDBK-472, "MAINTAINABILITY PREDICTION"
		32. MIL-M-24100B, "FUNCTIONALY ORIENTED MAINTENANCE MANUALS (FOMM) FOR EQUIPMENT & SYSTEMS"
P/F (2)	POLICY FILES (2) SUPPLEMENT	THIS DATA STORE SUPPLEMENTS THE ITEMS LISTED IN P/F (POLICY FILES). THIS IS NECESSARY ONLY BECAUSE OF THE LIMITATIONS OF THE SOFTWARE THAT LIMITS THE TOTAL NUMBER OF LINES THAT MAY BE RECORDED IN ANY ONE FILE: 1. AR 70-38, "RESEARCH, DEVELOPMENT, TEST & EVALUATION OF MATERIEL FOR EXTREME CLIMATIC CONDITIONS" 2. AR 602-1, "PERSONNEL-MATERIEL SYSTEMS - HUMAN FACTORS ENGINEERING PROGRAM" 3. AR 602-2, "MANPOWER AND PERSONNEL INTEGRATION (MANPRINT) IN MATERIEL ACQUISITION PROCESS" 4. AR 700-47, "LOGISTICS - DEFENSE STANDARDIZATION AND SPECIFICATION PROGRAM" 5. AR 700-60, "LOGISTICS - DEPARTMENT OF DEFENSE PARTS CONTROL PROGRAM" 6. AR 700-129, "MANAGEMENT AND EXECUTION OF INTEGRATED LOGISTIC SUPPORT (ILS) PROGRAMS FOR MULTISERVICE ACQUISITIONS"
T & E	TEST & EVALUATION	TEST & EVALUATION PURPOSE OF DATA STORE : This information is used to provide the reviewer with access to test & evaluation data to include maintenance demonstrations in order to validate assignments of maintenance tasks. In TASK E12 similar information is provided but it is used to check for the validation of Standardization and Interoperability applications. SOURCE OF DATA : Any T&E document such as TEMP's, IEP's, Detailed Test Plans, Test Reports, Evaluation Reports, Scoring Conference Results, TIWG's

E1.5A

MAINTENANCE TASK(S) DEFINITIONS CONCERNS

DATE: 19-OCT-88
TIME: 12:07

APJ PROJECT 966
DFD E1.5A PROCESS DEFINITIONS

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
E1.5A1	ASSESS USE OF RCM AND PRINCIPLES (ON TASKS) MAINTENANC	ASSESS USE OF RELIABILITY CENTERED MAINTENANCE (RCM) AND MAINTENANCE OF RCM AND PRINCIPLES (ON TASKS) PRINCIPLES PURPOSE OF DATA PROCESS : This process reviews tasks as defined in the LSAR and simply checks to see if RCM was applied if needed and if accepted maintenance principles (see process E13A2) were utilized when establishing this task. SOURCE OF DATA : LSA reports describing tasks, RCM and identified principles of E1.3A2 .
E1.5A11	ASSESS OVR ALL CONSI	ASSESS OVERALL CONSISTENCY OF MAINTENANCE TASKS TO RESOURCE ALLOCATIONS TNCY OF PURPOSE OF DATA PROCESS: This process does a check to see that the MAINT TASK maintenance allocations do meet any required supportability TO RESRCES objectives/ or do not exceed any mandated constraints. SOURCE OF DATA : Process E1.3A11
E1.5A2	MATCH TASK INFO WITH MAINTENANC RESOURCE UTILIZATN	MATCH TASK INFORMATION WITH MAINTENANCE RESOURCE UTILIZATION PURPOSE OF DATA PROCESS : This process matches up maintenance resource requirement for each task or group of tasks from various LSAR records and reports so that the impact on and by different ILS elements can be assessed. The resources to be identified are personnel and manpower, facilities, support and test equipment, computer resources, supplies. SOURCE OF DATA : Outputs from E1.5A2
E1.5A3	RVW ASSGN- MNT OF MA- INT MANPWR FOR TASK	REVIEW ASSIGNMENT OF MAINTENANCE MANPOWER/PERSONNEL FOR TASK(S) PURPOSE OF DATA PROCESS : This process provides a sub-assessment as to how well MOS's, skill level, quantity of personnel, required training have been selected/identified. SOURCE OF DATA : Maintenance task with paired subject resources above.
E1.5A4	REVIEW CONSISTENCY OF MAINT. FACILITIES FOR TASK	REVIEW CONSISTENCY OF MAINTENANCE FACILITIES FOR TASK PURPOSE OF DATA PROCESS : This process provides a subassessment as to whether the facilities required to perform the task(s) have been adequately identified and quantified. SOURCE OF DATA :Maintenance tasks with paired subject resources above.
E1.5A5	REVIEW CONSISTENCY OF SPRT & TEST EQUIP FOR TASK	REVIEW CONSISTENCY OF SUPPORT AND TEST EQUIPMENT FOR TASK PURPOSE OF DATA PROCESS : This process provides a subassessment as to how well needed support and test equipment has been selected and/or identified. SOURCE OF DATA : Maintenance task identification with paired resources from above.

DATE: 19-OCT-88
TIME: 12:07

APJ PROJECT 966
DFD E1.5A PROCESS DEFINITIONS

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
E1.5A6	REVIEW CONSISTENCY	REVIEW CONSISTENCY OF COMPUTER RESOURCES FOR TASK PURPOSE OF DATA PROCESS : This process provides a subassessment as to how well computer resources including software, firmware, hardware and post-deployment support have been selected/identified. SOURCE OF DATA : Maintenance task identification with paired resources information from above.
E1.5A7	REVIEW CONSISTENCY	REVIEW CONSISTENCY OF SUPPLY SUPPORT FOR TASK PURPOSE FOR DATA PROCESS : This process provides a subassessment as to how well supply related resources/actions such as repair part expendable, and nonexpendable items identification or the provisioning effort are proceeding. SOURCE OF DATA : Maintenance task identification with paired resources from above.
E1.5A8	REVIEW POTENTIAL TASK'S WITH UNIDENTIFD RESOURCES	REVIEW POTENTIAL TASKS WITH UNIDENTIFIED RESOURCES PURPOSE OF DATA PROCESS : This process is a catch all process where unresolved maintenance tasks issues can be reviewed. This may occur when a pending design change or undecided user doctrinal change may add or delete functions and or derivative tasks. Although this should not happen in the latter phases of a program, design/doctrinal changes do occur in "midstream". This process can be used to make "what if" assessments. SOURCE OF DATA : Program, design reviews/directives.
E1.5A9	REVIEW CONSISTENCY	REVIEW CONSISTENCY OF INTERRESOURCE ASSIGNMENTS PURPOSE OF DATA PROCESS : This process takes E1.5A3 through E1.5A8 output assessments which assessed consistency of various resources to a given task or group of tasks, and checks them against each other to insure there are no contradictory assignments (ie. a task that requires a certain facility or type equipment but shows the personnel with the wrong MOS using that equipment or which would be unavailable at a given facility.) SOURCE OF DATA : Output assessments from E1.5A3 through E1.5A4

DATE: 21-OCT-88
TIME: 15:55

APJ PROJECT 966
DFD E1.5A DATA FLOW DEFINITIONS

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
COMPUTER/RES/SUBASS	COMPUTER/ RESOURCES	COMPUTER RESOURCES SUBASSESSMENT
	SUB ASSESMT	FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments PURPOSE OF DATA : This narrative assessment contains information which will be used in subsequent process E1.5A9 where it will be screened for overall consistency or optimization with the other resources affecting a given task or group of tasks SOURCE OF DATA : Output data from process E1.5A6
FAC/SUBASS	FACILITIES SUBASSMNT	FACILITIES SUBASSESSMENT
		FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments PURPOSE OF DATA : This narrative assessment contains information which will be used in subsequent process E1.5A9 where it will be screened for overall consistency or optimization with the other resources affecting a given task or group of tasks SOURCE OF DATA : Output data from process E1.5A4
LSA/REP	LSA REPORTS	LOGISTICS SUPPORT ANALYSIS (LSA) REPORTS OR RELATED DOCUMENTS
		FIELD INFORMATION,TYPE,STYLE : Narrative and numerical comments/extracts from LSAR numbered reports or LSA task performance reports PURPOSE OF DATA : This data is used as input information on which to perform various processes. SOURCE OF DATA : LSAR, LSA task reports not documented in LSAR. Specific report numbers under the LSAR must be selected by subject as required for the specific process. MIL-STD 1388-2A lists the various automated reports and the master data record sheets A-J available. Not all LSA task outputs are recorded on the LSAR; the LSA plan (TASK 201) for the particular system needs to be reviewed to see what tasks where to be done. Once LSA tasks are identified you may need to go to MIL-STD 1388-1A or contract for a review of what is required under the various tasks;this may provide an idea if results will also /not be found in hte LSAR.
MAINT POL DATA	MAINTENANCE POLICIES DATA	MAINTENANCE POLICIES DATA
		FIELD INFORMATION;TYPE; STYLE : Narrative comments or extracts from the various policies. PURPOSE OF DATA : This data contains the specific regulatory information that is used to review against maintenance plan issues. SOURCE OF DATA : Maintenance policy files such as AR 12-16, AR 700-9, AR 700-82, AR 750-1, AMC-R 700-27, AMC-R 750-10, DA PAM 700-50, DA PAM 738-750, DA PAM 750-21, AMC PAM 700-4, AND AMC PAM 750-2.

DATE: 21-OCT-88
TIME: 15:55

APJ PROJECT 966
DFD E1.5A DATA FLOW DEFINITIONS

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
MAINT/TSK/WITH/ASSOC	MAINT TASK WITH ASSOC'D RESOURCES	MAINTENANCE TASKS WITH ASSOCIATED RESOURCES FIELD INFORMATION;TYPE; STYLE : Narrative and numerical comments and/or extracts from LSAR records, reports or manuals . PURPOSE OF DATA : This data contains information on task descriptions, resources associated with the tasks. The data will be checked in the subsequent E1.5a processes for adequacy and consistency. SOURCE OF DATA : Primarily LSAR inputs on tasks and resources from process E1.5A2
MAN/PERS/SUBASS	MANPOWER/ PERSONNEL SUB ASSESMNT	MANPOWER PERSONNEL SUBASSESSMENT FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments PURPOSE OF DATA : This narrative assessment contains information which will be used in subsequent process E1.5A9 where it will be screened for overall consistency or optimization with the other resources affecting a given task or group of tasks SOURCE OF DATA : Output data from process E1.5A3
NON/LSAR/DOC/DTA	NON LSAR DOCUMENTED DATA	NON LSAR DOCUMENTED DATA FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments and or extracts from documents which contain logistical significant data which has not been deposited in LSAR. PURPOSE OF DATA : This data contains logistical significant information from reports or documents whose information may not have been placed totally in the LSAR or because the system is not automated. SOURCE OF DATA : Program documents, design specifications or drawings, test & evaluation reports, logistics reports, minutes of reviews, TIWG reports, or other documents which impact or are impacted by maintenance related issues.
POTENTIAL/TSKS/NON-I	POTENTIAL TASKS WITH UNID'D RES SUB ASSESMNT	POTENTIAL TASKS WITH NON-IDENTIFIED RESOURCES FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments PURPOSE OF DATA : This narrative assessment contains information which will be used in subsequent process E1.5A9 where it will be screened for overall consistency or optimization with the other resources affecting a given task or group of tasks SOURCE OF DATA : Output data from process E1.5A8

DATE: 21-OCT-88
TIME: 15:55

APJ PROJECT 966
DFD E1.5A DATA FLOW DEFINITIONS

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
PRI/GUID	PRINCIPLES & GUIDELINES USED	PRINCIPLES AND GUIDELINES USED FIELD INFORMATION, TYPE, STYLE : Narrative comments or extracts from documents containing the maintenance principles and guidelines to be used in the development. PURPOSE OF DATA : The information from this data will be used to help identify type of functions or tasks based on what maintenance principles we are interested or being forced to use SOURCE OF DATA : These maintenance principles and level of repair guidelines can be found in AR 750-1, AMC PAM's listing maintainability guidelines, human engineering related books describing beneficial design features to be included in designs to improve maintainability or eliminate maintenance or improve the man-machine interface.
SPT/EQUIP/TEST/SUBAS	SUPPORT & TEST EQUIP SUB ASSESMT	SUPPORT & TEST EQUIPMENT SUBASSESSMENT FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments PURPOSE OF DATA : This narrative assessment contains information which will be used in subsequent process E1.5A9 where it will be screened for overall consistency or optimization with the other resources affecting a given task or group of tasks SOURCE OF DATA : Output data from process E1.5A5
SUBASS/INT/RES	SUBASSESMT INTER-RESRCE CONSISTENCY WITH MAINT TASKS	SUBASSESSMENTS OF INTERRESOURCE CONSISTENCY FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments PURPOSE OF DATA : This output data contains task to resource consistency assessment information which has been adjusted and rolled up for future recall when the overall maintenance plan assessment is to be written. SOURCE OF DATA : E1.5A9 process
SUBASS/PMAC	SUBASSESMENT OF (P)MAC COMPATIBILTY WITH (B)MP	SUBASSESSMENT OF (P)MAC COMPATIBILITY WITH (B)MP FIELD DESCRIPTION,TYPE,STYLE : Numerical and narrative comments. PURPOSE OF DATA: This data contains information about how synchronized the preliminary or maintenance allocation chart and the baseline or maintenance concepts are. In the early stages these two may be synchronized, then diverge. The key question is whether or not there is a rational explanation for the divergence. SOURCE OF DATA :
SUBASS/RES/MAINT	SUBASSESMTS INTERRESOURCE CONSISTENCY WITH MAINTENANCE	SUBASSESSMENTS OF INTERRESOURCE CONSISTENCY WITH MAINTENANCE PLAN FIELD INFORMATION,TYPE,STYLE : Narrative comments PURPOSE OF DATA : This contains information as to how synchronized and consistent are the assigned maintenance resources to perform the identified tasks and overall maintenance plan. SOURCE OF DATA : This is output information from process E1.5

DATE: 21-OCT-88
TIME: 15:55

APJ PROJECT 966
DFD E1.5A DATA FLOW DEFINITIONS

PAGE 4
EXCELERATOR 1.8

Name	Label	Description
SUPPLY SUPPORT/SUBAS	SUPPLY SUPPORT	SUPPLY SUPPORT SUBASSESSMENT
	SUB ASSESMNT	FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments PURPOSE OF DATA : This narrative assessment contains information which will be used in subsequent process E1.5A9 where it will be screened for overall consistency or optimization with the other resources affecting a given task or group of tasks SOURCE OF DATA : Output data from process E1.5A7
task/list/wth/RCM/as	TASK(S) LIST WITH RCM ASSMNT	TASK(S) LIST WITH RCM ASSESSMENT PURPOSE OF DATA : This data contains information on task descriptions, frequencies, allocation in the MAC, personnel,equipment,facilities, supplies and other resources required to execute the task. It also contains an assessment on whether RCM was applied. SOURCE OF DATA : LSAR records and reports .

DATE: 19-OCT-88
TIME: 11:46

APJ PROJECT 966
DFD E1.5A DATA STORES DEFINITION

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
LSA/R	LSA/R FILE	LOGISTICS SUPPORT ANALYSIS /LOGISTICS SUPPORT ANALYSIS RECORD FILE PURPOSE OF DATA STORE : This file or records holding area contains LSA Task reports or their equivalent;LSAR master records sheet information ;LSAR reports when system is automated. It contains logistics data which can be used to assess various ILS elements . MIL-STD 1388-1A and 1388-2A should be looked at for complete outputs available.
MPA/F	MAINTENANCE PLAN ASSESSMENT	MAINTENANCE PLAN ASSESSMENT FILE PURPOSE OF DATA STORE : This file is used to store information form most processes for recall at any time by the reviewer. Assessments,data notes can be stored here. The reviewer can call up specific sections or roll up all his comments. This file is his notepad. SOURCE OF DATA : The reviewer's inputs as he assesses the various processes affecting the maintenance plan.
NON/LSAR DOC'S	NON LSAR DOCUMENTATION	NON LSAR DOCUMENTATION PURPOSE OF DATA FILE : This file serves as a repository of all project logistical data and documentation which has not been transcribed to an appropriate LSAR data record. These in general will be hard copy reports which may be complete documents or abstracts containing for example the maintenance plan and related information. SOURCE OF INFORMATION : Any and all project documentation such as requirements documents, program management documents such as those listed in APPENDIX F, AR 70-1, AMC/TRADOC PAM 70-2 etc.

DATE: 19-OCT-88
TIME: 11:47

APJ PROJECT 966
DFD E1.5A DATA STORES DEFINITION

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
P/F	POLICY FILES	CONTAINS THOSE MILITARY PUBLICATIONS, DECISION PAPERS, MISSIONS & FUNCTIONS, etc, WHICH ARE NEEDED TO ESTABLISH THE LOGISTICAL SUPPORT AND REVIEW REQUIREMENTS OF THE ITEM/EQUIPMENT DEVELOPMENT PROGRAM. THIS DATA STORE INCLUDES: 1. AR 12-16, "MUTUAL LOGISTICS SUPPORT BETWEEN THE U.S. AND OTHER NORTH ATLANTIC TREATY ORGANIZATION FORCES" 1a. AR 70-1, "SYSTEMS ACQUISITION POLICY AND PROCEDURES" 1b. AR 70-2, "RESEARCH, DEVELOPMENT, & ACQUISITION MATERIEL STATUS RECORDING" 1c. AR 70-10, "R&D - TEST & EVALUATION DURING DEVELOPMENT AND ACQUISITION OF MATERIEL" 1d. "AR 570-9, "MANPOWER AND EQUIPMENT CONTROL - HOST NATION SUPPORT" 2. AR 700-9, "POLICIES OF THE ARMY LOGISTIC SYSTEM" 3. AR 700-82, "JOINT REGULATION GOVERNING THE USE AND APPLICATION OF UNIFORM SOURCE MAINTENANCE AND RECOVERABILITY CODES" 4. AR 700-127, "INTEGRATED LOGISTICS SUPPORT" 5. AR 725-50, "REQUISITIONING, RECEIPT AND ISSUE SYSTEM" 6. AR 750-1, "MAINTENANCE OF SUPPLIES & EQUIPMENT - ARMY MATERIEL MAINTENANCE CONCEPTS & POLICIES" 7. AMC-R-700-27, "LEVEL OF REPAIR ANALYSIS (LORA) PROGRAM" 8. AMC-R-750-10, "DEPOT MAINTENANCE INTERSERVICE" 9. DA PAM 700-4 10. DA PAM 700-28, "INTEGRATED LOGISTIC SUPPORT PROGRAM ASSESSMENT ISSUES AND CRITERIA" 11. DA PAM 700-50, "INTEGRATED LOGISTIC SUPPORT - DEVELOPMENTAL SUPPORTABILITY TEST AND EVALUATION GUIDE" 12. DA PAM 700-55, "INSTRUCTIONS FOR PREPARING THE INTEGRATED LOGISTIC SUPPORT PLAN" 12a. DA PAM 738-750, "THE ARMY MAINTENANCE MANAGEMENT SYSTEMS (TAMMS)" 13. DA PAM 750-21, "LOGISTIC SUPPORT MODELLING" 14. AMC PAM 700-4, "LOGISTICS SUPPORT ANALYSIS TECHNIQUES GUIDE (WITH PALMAN)" 14a. AMC PAM 700-11, "LOGISTICS SUPPORT ANALYSIS REVIEW TEAM GUIDE" 15. AMC PAM 750-2, "MAINTENANCE OF SUPPLIES AND EQUIPMENT GUIDE TO RELIABILITY CENTERED MAINTENANCE" 16. MIL-STD-152, "TECH REVIEW GUIDELINES" 17. MIL-STD-210A, "CLIMATIC EXTREMES FOR MILITARY EQUIPMENT" 18. MIL-STD-470, -471, "MAINTAINABILITY STANDARDS" 19. MIL-STD-756, "RELIABILITY MODELING & PREDICTIONS" 20. MIL-STD-780, "MAINTENANCE ENGINEERING ANALYSIS CONTROL NUMBER (MEACNS) FOR AERONAUTICAL EQUIPMENT, UNIFORM NUMBERING SYSTEM" 21. MIL-STD-781, "RELIABILITY DESIGN QUALIFICATION AND PRODUCTION ACCEPTANCE TESTS: EXPONENTIAL DISTRIBUTION" 22. MIL-STD-785B, "RELIABILITY PROGRAM FOR SYSTEMS AND EQUIPMENT DEVELOPMENT & PRODUCTION" 23. MIL-STD-810, "ENVIRONMENTAL TEST METHODS & ENGINEERING GUIDELINES" 24. MIL-STD-881, "WORK BREAKDOWN STRUCTURES FOR DEFENSE MATERIEL ITEMS" 25. MIL-STD-882, "SYSTEM SAFETY PROGRAM REQUIREMENTS" 26. MIL-STD-965, "PARTS CONTROL PROGRAM" 27. MIL-STD-1369A, "INTEGRATED LOGISTIC SUPPORT PROGRAM REQUIREMENTS" 28. MIL-STD-1388-1A, "LOGISTICS SUPPORT ANALYSIS" 29. MIL-STD-1388-2A, "LOGISTICS SUPPORT ANALYSIS RECORD"

DATE: 19-OCT-88
TIME: 11:47

APJ PROJECT 966
DFD E1.5A DATA STORES DEFINITION

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
		30. MIL-STD-1629, "PROCEDURES FOR PERFORMING A FAILURE MODE, EFFECTS & CRITICALITY ANALYSIS"
		31. MIL-HDBK-472, "MAINTAINABILITY PREDICTION"
		32. MIL-M-24100B, "FUNCTIONALLY ORIENTED MAINTENANCE MANUALS (FOMM) FOR EQUIPMENT & SYSTEMS"
P/F(2)	POLICY FILES(2) SUPPLEMENT	THIS DATA STORE SUPPLEMENTS THE ITEMS LISTED IN P/F (POLICY FILES). THIS IS NECESSARY ONLY BECAUSE OF THE LIMITATIONS OF THE SOFTWARE THAT LIMITS THE TOTAL NUMBER OF LINES THAT MAY BE RECORDED IN ANY ONE FILE: 1. AR 70-38, "RESEARCH, DEVELOPMENT, TEST & EVALUATION OF MATERIEL FOR EXTREME CLIMATIC CONDITIONS" 2. AR 602-1, "PERSONNEL-MATERIEL SYSTEMS - HUMAN FACTORS ENGINEERING PROGRAM" 3. AR 602-2, "MANPOWER AND PERSONNEL INTEGRATION (MANPRINT) IN MATERIEL ACQUISITION PROCESS" 4. AR 700-47, "LOGISTICS - DEFENSE STANDARDIZATION AND SPECIFICATION PROGRAM" 5. AR 700-60, "LOGISTICS - DEPARTMENT OF DEFENSE PARTS CONTROL PROGRAM" 6. AR 700-129, "MANAGEMENT AND EXECUTION OF INTEGRATED LOGISTIC SUPPORT (ILS) PROGRAMS FOR MULTISERVICE ACQUISITIONS"

E1.6A

OTHER PLAN INTERFACES WITH
MAINTENANCE PLAN



DATE: 19-OCT-88
TIME: 12:09

APJ PROJECT 966
DFD E1.6A PROCESS DEFINITIONS

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
E1.6A1	ALLOCATE SUB-ASSMNT ISSUES TO SUB-PLANS	ALLOCATE SUB-ASSESSMENT ISSUES TO SUBPLANS PURPOSE OF DATA PROCESS : This process matches up appropriate planning to an appropriate "plan". There may not be actual stand alone plans which can be utilized by all of the processes; if information appears to be needed to address a certain planning issue, this could be stated as an assesment. If it is apparent that a certain type of plan is unnecessary to be evaluated, note that it is not required. This process may not require an indepth review of each type of planning data, only that level of review that impacts the maintenance plan or which the maintenance plan exerts an influence need be undertaken. SOURCE OF DATA: Documents, reviews, minutes, LSA and LSAR reports as necessary. Type of data information requirements: T&E data, depot planning data, non-organic Army support data, material fielding & transgfer data, warranty data, SDC planning data, Maintenance capabilities activation planning data from material fielding documents, float & DX data, provisioning data, battlefield damage & assesment data
E1.6A10	REVIEW BATTLEFLD DAMAGE & ASSESSMENT PLANS	REVIEW BATTLEFIELD DAMAGE AND ASSESMENT (BDAR) PLANS FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments and extracts of documents. PURPOSE OF DATA PROCESS : This process checks to see if BDAR provisions are needed or should be implemented for the system IAW Par. 3-38, AR 750-1 guidelines. In this process one verifies if special procedures for maintenance under battlefield conditions is necessary; if so a special manual may need to be created for these potential conditions. SOURCE OF DATA : LSAR information and the requirements doument (if info is not recorded in the LSAR and the above cited reference.
E1.6A11	CONSOLIDAT SUB-PLAN ASSESSMNTS	CONSOLIDATE SUB-PLAN ASSESSMENTS PURPOSE OF DATA PROCESS : This process consolidates all the output assesments from the sub-plan evaluations. The reviewer can edit his earlier comments at this point before he generates his assesments on the supporting plans. SOURCE OF DATA: All the subplan subassesments
E1.6A2	REVIEW VALIDATION & CORRECTV ACTIONS & PLANS	REVIEW VALIDATION & CORRECTIVE ACTIONS AND PLANS PURPOSE OF DATA PROCESS : This process reviews any T&E actions affecting the validation of the maintenance plan. This process also can be used to insure that supportability testing issues of the test program are being adequately implemented. The logistics demonstration/teardown plans can also be reviewed. Any open actions concerning these issues from previous reviews can be checked. SOURCE OF DATA: Test and Evaluation reports, logistics demonstration/teardown plans and results, program and design reviews with these issues.

Name	Label	Description
E1.6A3	REVIEW DEPOT SUPPORT PLANS	REVIEW DEPOT SUPPORT PLANS PURPOSE OF DATA PROCESS : This process requires review of the depot support plans, which is an annex of the ILSP, to check for impacts and adjustments to the maintenance plan if required. Reviewer should be looking for unusual or excessive use of resources whether facilities, personnel or equipment which would affect the responsiveness of the maintenance structure. SOURCE OF DATA : Depot support plans and planning conference minutes.
E1.6A4	REVIEW ISSA, HNS, CLS, ICLS IMPLEMENTA TION PLANS	REVIEW ISSA, HNS, CLS, ICLS, IMPLEMENTATION PLANS PURPOSE OF DATA PROCESS : This process checks for the utilization of any of these non-organic Army support methodologies used to complement or supplement the standard 3 level Army structure. This review will focus on the status of the planning and execution efforts to insure these capabilities will be available when needed. SOURCE OF DATA: Letters of agreements, memorandums of understanding for support, diplomatic agreements (if applicable), interservice support agreements, material fielding documents.
E1.6A5	REVIEW DISPLACED EQUIPMENT PLANS	REVIEW DISPLACED EQUIPMENT PLANS PURPOSE OF DATA PROCESS : This process addresses what maintenance planning actions will be required to execute material transfer of displaced systems, demilitarization, cannibalization or final disposition of displaced assets. Reviewer should focus on the planning and execution impacts of these actions as they affect the maintenance plan. SOURCE OF DATA: Material transfer/fielding agreements and planning conferences
E1.6A6	REVIEW WARRANTY IMPLEMENTA TION PLANS	REVIEW WARRANTY IMPLEMENTATION PLANS PURPOSE OF DATA PROCESS : This process reviews the impact of warranty plans and execution on the maintenance plan. Any unusual burdens on the system should be assessed. SOURCE OF DATA: Acquisition Plans, contractual agreements, warranty implementation procedures SEE C1, AMC SUPPL TO AR 77-139 FOR QUESTIONNAIRE ON WARRANTY ISSUES; GOOD REFERENCE FOR PROGRAMING STAGE.
E1.6A7	REVIEW SDC PLANS	REVIEW SDC PLANS AND EXECUTION PURPOSE OF DATA PROCESS : This process is used to review the impact of an SDC program on the maintenance planning function. Need for and scope of the SDC program should be assessed. SOURCE OF DATA: SDC plan including the field procedures guide, parties who have demonstrated a need/desire to implement an SDC, higher command directives mandating this program. DA PAM 738-750 and AR 750-37 provide further guidance on the usage of SDC's.

DATE: 19-OCT-88
TIME: 12:09

APJ PROJECT 966
DFD E1.6A PROCESS DEFINITIONS

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
E1.6A8	REVIEW MAINTENANC	REVIEW MAINTENANCE CAPABILITIES ACTIVATION PLANNING CAPABILITI PURPOSE OF DATA PROCESS : This process checks to insure that ES ACTIVA- maintenance units facilities are scheduled to be activated in a logical TION PLAN manner so when fielding occurs it eliminates gaps in maintenance support to the user. SOURCE OF DATA : Material fielding documents and planning conferences
E1.6A9	REVIEW ORF,RCF, DX PLANS	REVIEW ORF,RCF,DX PLANS PURPOSE OF DATA PROCESS: This process is used to review the utilization and acquisition planning efforts to obtain these assets. If the items have been identified as needed to support the maintenance plan,the reviewer must check to see if all required actions to get these items are on track. SOURCE OF DATA: Material fielding documents,DCSOP'S documents allocating end items, DX procedures identification.

DATE: 21-OCT-88
TIME: 15:56

APJ PROJECT 966
DFD E1.6A DATA FLOW DEFINITIONS

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
BATFLD/DAMG/ASSMNT/S	BATTLEFIELD DAMAGE & ASSMNT PLN SUBASSMNTS	BATTLEFIELD DAMAGE & ASSESSMENTS (BDAR) PLANNING SUBASSESSMENTS FIELD INFORMATION;TYPE;STYLE Narrative and numerical comments PURPOSE OF DATA: This is output data with reviewers commentary as to whether BDAR techniques should be implemented or how well they have been incorporated. It is rolled up into the next process for retrieval. SOURCE OF DATA : Process output data from E1.6A10
BATTLE/DAM/ASS/SUBPL	BATTLEFLD DAMAGE & ASSESSMENT PLANS DATA	BATTLEFIELD DAMAGE & ASSESMENT (BDAR) PLAN DATA FIELD INFORMATION;TYPE,STYLE : Narrative and numerical comments and extracts of documents. PURPOSE OF DATA : This data contains information on the application of BDAR processes in the maintenance of the equipment under development. BDAR addresses quick fix techniques to be used under combat situations. SOURCE OF INFORMATION : This data is constituted of LSAR information and/or requirements documents, extracts from manuals
DEF/SUB/PLN/DTA	DEPOT SUB- PLANNING DATA	DEPOT SUBPLANNING DATA FIELD INFORMATION;TYPE;STYLE : narrative and numerical data from documents PURPOSE OF DATA: This data contains information on depot support requirements,agreements,planning efforts,required actions,resources, etc. SOURCE OF DATA :This data is constituted of depot support plans, planning meeting minutes
DEPOT/SPT/SUB/ASS	DEPOT SUP'RT SUBASSMNTS	DEPOT SUPPORT SUBASSESSMENTS FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments PURPOSE OF DATA: This is output data with reviewers commentary from the review process on this subject . It is rolled up in the consolidation process with other subassessments for retrieval.
DISPL/EQUIP/SUB/ASS	DISPLACED EQUIPMENT PLANNING SUBASSMNTS	DISPLACED EQUIPMENT PLANNING SUBASSESMENTS FIELD INFORMATION;TYPE;STYLE Narrative and numerical comments PURPOSE OF DATA: This is output data with reviewers commentary on this subject. It is rolled up into the next process for retrieval.
FLOAT/DX/SUB/ASS	FLOAT/DX PLANNING SUBASSMNTS	FLOAT/DX PLANNING SUBASSESSMENTS FIELD INFORMATION;TYPE;STYLE Narrative and numerical comments PURPOSE OF DATA: This is output data with reviewers commentary on this subject. It is rolled up into the next process for retrieval.

Name	Label	Description

Float/DX/SUB/PLAN/DT	Float AND DX SUB-PLAN	Float AND DX SUBPLAN DATA
	DATA	FIELD INFORMATION,TYPE;STYLE : Narrative and numerical comments and or extracts of documents. PURPOSE OF DATA : This data contains information about operational readiness floats and direct exchange items used to assess the float and DX program SOURCE OF DATA : This data is constituted of ORF,MRF,DX data.
LSA/REP	LSA REPORTS	LOGISTICS SUPPORT ANALYSIS (LSA) REPORTS OR RELATED DOCUMENTS FIELD INFORMATION,TYPE,STYLE : Narrative and numerical comments/extracts from LSAR numbered reports or LSA task performance reports PURPOSE OF DATA : This data is used as input information on which to perform various processes. SOURCE OF DATA : LSAR, LSA task reports not documented in LSAR. Specific report numbers under the LSAR must be selected by subject as required for the specific process. MIL-STD 1388-2A lists the various automated reports and the master data record sheets A-J available. Not all LSA task outputs are recorded on the LSAR; the LSA plan (TASK 201) for the particular system needs to be reviewed to see what tasks where to be done. Once LSA tasks are identified you may need to go to MIL-STD 1388-1A or contract for a review of what is required under the various tasks;this may provide an idea if results will also /not be found in hte LSAR.
MAINT/CAP/ACTV'N/SUB	MAINTENANCE CAPABILITIES	MAINTENANCE CAPABILITIES ACTIVATION PLAN
	ACTIVATION SUB PLAN	FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments and extracts of documents. PURPOSE OF DATA : This data contains information on how maintenance capabilities will be activated during the fielding process. SOURCE OF DATA : This data is constituted of material fielding documents
MAINT/CAPA/ACTIV/SUB	MAINTENANCE CAPABILITIES	MAINTENACE CAPABILITIES ACTIVATION PLANNING SUBASSESSMENTS
	ACTIVATION PLANNING SUBASSMNTS	FIELD INFORMATION;TYPE;STYLE Narrative and numerical comments PURPOSE OF DATA: This is output data with reviewers commentary on this subject. It is rolled up into the next process for retrieval.

DATE: 21-OCT-88
TIME: 15:56

APJ PROJECT 966
DFD E1.6A DATA FLOW DEFINITIONS

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
MAINT/PLN/SPTNG/SUBP	MAINT PLAN SUPPORTING SUBPLAN OVERALL ASSMNTS	MAINTENANCE PLAN SUPPORTING SUBPLAN OVERALL ASSESSMENTS FIELD DESCRIPTION;TYPE;STYLE : Roll up of all previous subplan assessments in narrative and numerical comments. PURPOSE OF DATA : This is a summary listing of all supporting maintenance plan subassessments made in process E1.6A. The comments can be organized in a block of information for arranging as the reviewer desires prior to producing the overall maintenance plan assessment. SOURCE OF DATA : Process E1.6A11
MAT/FLD&TRANS/SUB/PL	MATERIAL FIELDING & TRANSFER SUB PLANNING DATA	MATERIAL FIELDING AND TRANSFER SUBPLANNING DATA FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments or extracts from documents. PURPOSE FOR DATA : This data contains information on material fielding issues,decisions and agreements as they affect displaced equipment. SOURCE OF DATA : This data is constituted of material fielding plans,agreements,mission support plans ,transfer plans
NON-ORG/MAINT/SUB/PL	NON-ORGANIC MAINTENANCE SUB-PLANNING DATA	NON-ORGANIC ARMY MAINTENANCE SUPPORT SUBPLANNING DATA FIELD INFORMATION;TYPE; STYLE : Narrative and numerical comments or extracts from documents. PURPOSE OF DATA: This data contains information on interservices support, host nation support,contractor and interim contractor level maintenance support to be used to evaluate those plans. SOURCE OF DATA: Data is constituted of Letters of agreements, memorandums of understanding for support,diplomatic agreements if applicable,interservice support agreements,material fielding documents.
NON/ORG/ARMY/SPT/SUB	NON-ORGANIC ARMY SUPPORT IMPLEMENTA'N PLANNING SUBASSMNTS	NON-ORGANIC ARMY SUPPORT IMPLEMENTATION PLANNING SUBASSESSMENTS FIELD INFORMATION;TYPE;STYLE: Narrative and numerical comments. PURPOSE OF DATA : This is output data
SDC/SUB/PLAN/DTA	SDC SUB- PLANNING DATA	SDC SUBPLANNING DATA FIELD INFORMATION;TYPE;STYLE : Narrative and numerical comments and extracts of documents. PURPOSE OF DATA : This data contains information on sample data collection which may affect the maintenance plan. SOURCE OF DATA : This data is constituted of SDC related documents

DATE: 21-OCT-88
TIME: 15:56

APJ PROJECT 966
DFD E1.6A DATA FLOW DEFINITIONS

PAGE 4
EXCELEATOR 1.8

Name	Label	Description
SUBASS/RES/MAINT	SUBASSESMNTS INTERESOURCE CONSISTENCY WITH MAINTENANCE	SUBASSESSMENTS OF INTERRESOURCE CONSISTENCY WITH MAINTENANCE PLAN FIELD INFORMATION,TYPE,STYLE : Narrrative comments PURPOSE OF DATA : This contains information as to how synchronized and consistent are the assigned maintenance resources to perform the identified tasks and overall maintenance plan. SOURCE OF DATA : This is output information from process E1.5
SUP/MAINT/SUB/PLAN/D	SUPPORTING MAINTENANCE SUB-PLAN DATA	SUPPORTING MAINTENANCE SUB PLAN DATA FIELD INFORMATION,TYPE,STYLE : Narrative comments PURPOSE OF DATA : SOURCE OF DATA :
T&E/SUB/PLAN/DTA	T&E SUB- PLANNING DATA	TEST AND EVALUATION SUBPLANNING DATA FIELD INFORMATION;TYPE;STYLE: Narrative and numerical comments and extracts of documents. PURPOSE OF DATA: This data contains information on test and evaluation,logistics demonstration/teardowns, corrective actions. SOURCE OF DATA: Test & Evaluation reports,logistics demonstration/teardown plans and results,pertinent program or design review info which could significantly affect the above plans.
WARNTY/IMPLMNT/ASS	WARRANTY IMPLEMNTA'N PLANNING SUBASSMNTS	WARRANTY IMPLEMENTATION PLANNING SUBASSESSMENTS FIELD INFORMATION;TYPE;STYLE Narrative and numerical comments PURPOSE OF DATA: This is output data with reviewers commentary on this subject. It is rolled up into the next process for retrieval.
WARNTY/SUB/PLAN/DTA	WARRANTY SUB PLANNING DATA	WARRANTY SUBPLANNING DATA FIELD INFORMATION;TYPE; STYLE : Narrative and numerical comments or extracts from documents. PURPOSE OF DATA : This data contains information on warranty plans, procedures which may affect the maintenance plan. SOURCE OF DATA : This data is constituted of warranty related documents such acquisition plans,contractual agreements,warranty implementation procedures.
sdc/pln/sub/ass	SDC PLANNING IMPLEMNTA'N SUBASSMNTS	VALIDATION & CORRECTIVE T&E ACTIONS SUBASSESSMENTS FIELD INFORMATION;TYPE;STYLE Narrative and numerical comments PURPOSE OF DATA: This is output data with reviewers commentary on this subject. It is rolled up into the next process for retrieval.

DATE: 21-OCT-88
TIME: 15:56

APJ PROJECT 966
DFD E1.6A DATA FLOW DEFINITIONS

PAGE 5
EXCELERATOR 1.8

Name	Label	Description
valid/corr/sub/ass	VALIDATION & CORRECTIVE T&E ACTIONS SUBASSESMENTS	
	CORRECTIVE	
	T&E ACTIONS	FIELD INFORMATION;TYPE;STYLE Narrative and numerical comments
	SUBASSMNTS	
		PURPOSE OF DATA: This is output data with reviewers commentary on this subject. It is rolled up into the next process for retrieval.

DATE: 19-OCT-88
TIME: 11:47

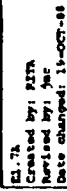
APJ PROJECT 966
DFD E1.6A DATA STORES DEFINITION

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
LSA/R	LSA/R FILE	LOGISTICS SUPPORT ANALYSIS /LOGISTICS SUPPORT ANALYSIS RECORD FILE PURPOSE OF DATA STORE : This file or records holding area contains LSA Task reports or their equivalent;LSAR master records sheet information ;LSAR reports when system is automated. It contains logistics data which can be used to assess various ILS elements . MIL-STD 1388-1A and 1388-2A should be looked at for complete outputs available.
MPA/F	MAINTENANCE PLAN ASSESSMENT	MAINTENANCE PLAN ASSESSMENT FILE PURPOSE OF DATA STORE : This file is used to store information form most processes for recall at any time by the reviewer. Assessments,data notes can be stored here. The reviewer can call up specific sections or roll up all his comments. This file is his notepad. SOURCE OF DATA : The reviewer's inputs as he assesses the various processes affecting the maintenance plan.
SMSP/F	SUPPORTING MAINT SUB-PLANS	SUPPORTING MAINTENANCE SUB-PLANS FILE PURPOSE OF DATA FILE : This file is a compilation of documents,records, minutes of proceedings which contain planning/execution information on maintenance planning issues. It contains information on maintenance related issues concerning T&E,depot support planning,non-organic Army Maintenance structure support,material fielding & transfer, SDC,floats & DX, warranties,battlefield damage & assesment,prepositioned material maintenance,provisioning. SOURCE OF DATA : Source documents for information above.

E1.7A

MAINTENANCE PLAN ASSESSMENT
SUMMARY AND RECOMMENDATIONS



DATE: 19-OCT-88
TIME: 12:10

APJ PROJECT 966
DFD E1.7A PROCESS DEFINITIONS

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
E1.7A1	REVIEW SUB -ASSMNTS	REVIEW SUBASSESSMENTS FOR OVERALL CONSISTENCY FOR OVRALL PURPOSE OF DATA PROCESS : This is a review of all the subassessments CONSISTENCY rolled up as inputed initially. This review can serve as an additional check or edit process for what was written already. The reviewer can at this time categorize his assessments in different groups to help him in writing his final assessment. unacceptable or conditional assessments should be especially categorized for further processing under subprocess E1.7A2. SOURCE OF DATA : All subassessments entered into the Maintenance Plan Assessment file or outputs from process E1.6 .
E1.7A2	REVIEW ACTIONS	REVIEW ACTIONS REQUIRED TO RESOLVE INCONSISTENCIES RQRD TO PURPOSE OF DATA PROCESS : This process reviews unacceptable/negative RESOLVE IN and conditional assessments to insure corrective action or CONSISTENCY recommendations to resolve the discrepancies are identified. SOURCE OF DATA : Output assessments from E1.7A1 which are derived from the Maintenance Plan Assessment File.
E1.7A3	RECOMMEND/ DIRECT	RECOMMEND OR DIRECT CORRECTIVE ACTION CORRECTIVE PURPOSE OF DATA PROCESS : This process takes the assessments with ACTION easily performed/identified corrective action and strongly recommends executing the solution or corrective action; in the case that the decision maker is part of the review process, corrective action may be directed or ordered. SOURCE OF DATA : Output assessments showing clear "fixes" from process E1.7A2
E1.7A4	IDENTIFY ACTIONS REQUIRING ANALYSIS	IDENTIFY ACTIONS REQUIRING FURTHERN ANALYSIS FOR RESOLUTION (OF UNACCEPTABLE/ CONDITIONAL ASSESSMENT) PURPOSE OF DATA PROCESS : This process takes assessments classified as unacceptable/ conditional but lacking a clear or obvious solution, and recommends actions which should be taken to insure issues are resolved. SOURCE OF DATA : Output assessments from E1.7A2
E1.7A5	WRITE MAINT-PLAN ASSESSMENT	WRITE MAINTENANCE PLAN ASSESSMENT PURPOSE OF DATA PROCESS : This is the final process wherein all subassessments after sorting are written up by the reviewer. This process also checks that the issues required to be addressed when assessing the maintenance plan, especially DA PAM 700-55, are considered. The report media to be used will be obtained from the directing authority. SOURCE OF DATA : All maintenance plan assessents and subassessments.

DATE: 21-OCT-88
TIME: 15:57

APJ PROJECT 966
DFD E1.7A DATA FLOW DEFINITIONS

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
ACC/PLAN/ASS	ACCEPTABLE MAINTENANCE PLAN ASSESSMNTS	ACCEPTABLE MAINTENANCE PLAN ASSESSMENTS FIELD INFORMATION,TYPE,STYLE : Narrative comments list PURPOSE OF DATA : This data summarizes the asesments shown to be positive with no detracting conditions. SOURCE OF DATA : Output assessment list from process E1.7A1 which was originallty derived from Maintenance Plan Assessment file.
ACT/REQ/ANA	ACTIONS REQUIRING FURTHER ANALYSIS	ACTIONS REQUIRING FURTHER ANALYSIS FIELD INFORMATION,TYPE,STYLE : Narrative comments accompanying list generated in E1.7A4 PURPOSE OF DATA : This identifies the studies or analyses required to solve the assessments which do not have "clear fixes". SOURCE OF DATA : Output from process E1.7A4
CHA/LSAR	CHANGES TO LSAR	CHANGES TO LSAR FIELD INFORMATION,TYPE,STYLE : Narrative comments. PURPOSE OF DATA : This data identifies any changes that should be made to the LSAR as a result of any errors found or directives to improve or change any process which would affect data on the record sheets. SOURCE DATA : This data is output information summarized from the actions required section of the E1.7.
ILS/POLICY/DIRECTIVE	ILS POLICY DIRECTIVES	ILS POLICY DIRECTIVES FIELD INFORMATION,TYPE,STYLE : Narrative comments or extracts from policy documents. PURPOSE OF DATA : Information is used to insure compliance with ILS policies and directives. SOURCE OF DATA : ILS related AR's and DA PAM's (check DA PAM 25-1 microfiche for current list of AR's, PAM's, TM's, FM's, Circulars,etc. in force, check in particular the 70 and 700 series); AMC Supplements to AR's, AMC Regs & PAM's (see current edition of AMC PAMPHLET 25-1 for detailed list,in particular check the 70 and 700 series); Applicable AMC Major Subordinate/ Commodity Command Directives(for AMCCOM see AMCCOMP 310-1 for specific pubs) MIL-STD's (1388-1A, 1388-2A), any applicable DA or AMC policy directives not formally numbered.
LIST/ACT	LIST OF ACTIONS WITH UNCLEAR OUTCOMES	LIST ACTIONS WITH UNCLEAR OUTCOMES : FIELD INFORMATION,TYPE,STYLE : Narrative listing PURPOSE OF DATA : This list of assessments with not clearly defined solutions is segregated for visibility to identify a study or analysis from which solutions will emerge. SOURCE OF DATA : Output listing from process E1.7A2

DATE: 21-OCT-88
TIME: 15:58

APJ PROJECT 966
DFD E1.7A DATA FLOW DEFINITIONS

PAGE 2
EXCELERATOR 1.8

Name	Label	Description
LIST/SUBASS	LIST OF UN- ACCEPTABLE/ CONDITIONAL SUB-ASSMNTS	LIST OF UNNACCEPTABLE/CONDITIONAL SUBASSESSMENTS FIELD INFORMATION,TYPE,STYLE : Narrative comments PURPOSE OF DATA : Unacceptable and conditional subassessments are segregated for a more intensive review to determine corrective action if none has been already identified in process E1.7A2 SOURCE OF DATA : Maintenance Plan Assessment file contains the original comments but they be adjusted during the E1.7A1 process.
LST/CLR/OUT	LIST OF ACTIONS WITH CLEAR/PROBA- BLE OUTCOMES	LIST OF (CORRECTIVE) ACTIONS WITH CLEAR/PROBABLE OUTCOMES (FOR ACTIONS WITH ASSESSMENTS THAT ARE CONDITIONAL /UNNACCEPTABLE IN THEIR CURRENT FORM. FIELD INFORMATION,TYPE,STYLE : Narrative listing PURPOSE OF DATA : This listing shows definite/highly probable corrective actions for assessments labeled as not being totally positive. SOURCE OF DATA : Output data from process E1.7A2
MAIN/PLAN/ASS/WITH/R (OVERALL)	MAINT PLAN ASSMNT WITH REQUIRED ACTIONS	MAINTENANCE PLAN (OVERALL) ASSESSMENTS WITH REQUIRED ACTIONS FIELD INFORMATION,TYPE, STYLE : Narrative comments PURPOSE OF DATA : This data contains all assesments the reviewer has written and edited concerning maintenance plan issues as reviewed in process E1.1 . It in essence is the overall assessment of the maintenance plan . It may contain directive instructions and recommendations to the originator as required. SOURCE OF DATA : All subassessments and pertinent comments as recorded in the maintenance plan assessment file and edited in process E1.7.
MAINT/PLAN/CORRCT/AC (OVERALL)	MAINT PLAN ASSMNT WITH CORRECTIVE ACTIONS	MAINTENANCE PLAN (OVERALL) ASSESSMENTS FOR CORRECTIVE ACTIONS FIELD INFORMATION, TYPE, SYSTEM: Narrative comments PURPOSE OF DATA: This data contains all assessments the reviewer has written and edited concerning maintenance plan issues which require corrective actions. In essence, this data store represents a means of compiling required corrective actions and maintaining surveillance over their status so that the PM or ILSMT can track the progress of the overall maintenance plan deficiencies in these area. SOURCE OF DATA: all subassessments and pertinent comments relative to deficiencies and recommended corrective actions as recorded in the maintenance plan assessment file.

DATE: 21-OCT-88
TIME: 15:58

APJ PROJECT 966
DFD E1.7A DATA FLOW DEFINITIONS

PAGE 3
EXCELERATOR 1.8

Name	Label	Description
MAINT/PLN/SPTNG/SUBP	MAINT PLAN SUPPORTING SUBPLAN OVERALL ASSMNTS	MAINTENANCE PLAN SUPPORTING SUBPLAN OVERALL ASSESSMENTS FIELD DESCRIPTION;TYPE;STYLE : Roll up of all previous subplan assessments in narrative and numerical comments. PURPOSE OF DATA : This is a summary listing of all supporting maintenance plan subassessments made in process E1.6A. The comments can be organized in a block of information for arranging as the reviewer desires prior to producing the overall maintenance plan assessment. SOURCE OF DATA : Process E1.6A11
REC/ACT1	RECOMMENDED/ DIRECTED CORRECTIVE ACTIONS	RECOMMENDED DIRECTIVE CORRECTIVE ACTION FIELD INFORMATION,TYPE,STYLE : Narrative comments list PURPOSE OF DATA : Identifies the actions which must be or are recommended to fix a less than positive assessment. SOURCE OF DATA : Output from process E1.7A3
SUB/ASS	MAINTENANCE PLAN SUBASSESS- MENTS	MAINTENANCE PLAN SUBASSESSMENTS FIELD INFORMATION,TYPE,STYLE : Narrative comments PURPOSE OF DATA : Data summarizes the reviewer's comments concerning different aspects of the maintenance plan evaluation as captured in the various subprocesses, in order to write a final assessment in process E1.7 SOURCE OF DATA : All data outputs from the evaluation process which are stored in the maintenance assessment file.

DATE: 19-OCT-88
TIME: 11:48

APJ PROJECT 966
DFD E1.7A DATA STORES DEFINITION

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
ILSP/F	ILSP FILE	INTEGRATED LOGISTICS SUPPORT PLAN PURPOSE OF DATA STORE : This file is the plan where the overall logistics effort plan for a project is documented and reviewed by members of the ILSMT. Any changes or significant observation affecting the plan should be noted in there and also reviewed by ILSMT and program manager personnel as appropriate.
ILSPO/F	ILS POLICY FILE	ILS POLICY FILE PURPOSE OF DATA STORE : This store contains directives, policies, and regulations governing the conduct of ILS on systems. This file will be periodically checked for conformance to it or to seek waivers as necessary. SOURCE OF DATA : AR 70-1, AR 700-127, DA PAM 700-55, MIL-STD 1388-1A & 2A, DOD DIRECTIVES OR INSTRUCTIONS ON THE SUBJECT
LSA/R	LSA/R FILE	LOGISTICS SUPPORT ANALYSIS /LOGISTICS SUPPORT ANALYSIS RECORD FILE PURPOSE OF DATA STORE : This file or records holding area contains LSA Task reports or their equivalent; LSAR master records sheet information ; LSAR reports when system is automated. It contains logistics data which can be used to assess various ILS elements . MIL-STD 1388-1A and 1388-2A should be looked at for complete outputs available.
MAINT/PLAN/COR/	MAINT'CE PLAN CORRECTIVE ACTS	MAINTENANCE PLAN (OVERALL) CORRECTIVE ACTIONS FILE PURPOSE OF DATA STORE: This file contains all references to those items relative to the maintenance plan which were deficient in the assessment and requires changes, modifications, deletions, additions, etc. The recommended or directed corrective actions, action officer, time scheduling, and other related information will be retained in this file for reference by the PM or the ILSMT.
MPA/F	MAINTENANCE PLAN ASSESSMENT	MAINTENANCE PLAN ASSESSMENT FILE PURPOSE OF DATA STORE : This file is used to store information from most processes for recall at any time by the reviewer. Assessments, data notes can be stored here. The reviewer can call up specific sections or roll up all his comments. This file is his notepad. SOURCE OF DATA : The reviewer's inputs as he assesses the various processes affecting the maintenance plan.

DATE: 19-OCT-88
TIME: 12:01

APJ PROJECT 966
DFD E1.7A EXTERNAL ENTITY DEFINITION

PAGE 1
EXCELERATOR 1.8

Name	Label	Description
ILSMT	ILSMT AND PM	THESE ARE THE ACTIVITIES WHICH WILL NORMALLY DIRECT THAT A MAINTENANCE PLAN OR ANY OTHER ASPECT OF THE ILS PROGRAM BE REVIEWED. INFORMATION GOES TO THEM FOR ACTION UNLESS THEY ARE CONDUCTING THE ASSESSMENT THEMSELVES.

GLOSSARIES

GLOSSARY - TEXT

ABBREVIATION

DESCRIPTION

AAF	Acquiring Activity File
AMC	Army Materiel Command
AMCCOM	Army Armament, Munitions & Chemical Command
AMC-R	Army Materiel Command Regulation
AMSDL	Acquisition Management Systems and Data Requirements Control List
APJ	American Power Jet Company
AR	Army Regulation
BDAR	Battlefield Damage Assessment and Repair
(B) MC	Baseline Maintenance Concept
CLS	Contractor Level Support
DA	Department of the Army
DCSOP	Deputy Chief of Staff, Operations
DID	Data Item Description
DR/F	Design Review File
DX	Direct Exchange
HNS	Host Nation Support
HQ	Headquarters
IAW	In Accordance With
ICLS	Interim Contractor Level Support
ILSP	Integrated Logistic Support Plan
ILSP/F	Integrated Logistic Support Plan File
ILSPO/F	Integrated Logistic Support Policy File
IM	Intermediate Maintenance
ISSA	Inter-Service Support Agreement
LSA	Logistic Support Analysis
LSAR	Logistic Support Analysis Record
LSAR/F	Logistic Support Analysis Record File

MAC	Maintenance Allocation Chart
MANPRINT	Manpower and Personnel Integration
MC	Maintenance Concept
MIL-STD	Military Standard
MOS	Military Occupation Specialty
MPA/F	Maintenance Plan Assessment File
O&O	Operational & Organization
ORF	Operational Readiness Float
PAM	Pamphlet
Par	Paragraph
RAM	Reliability, Availability and
	· Maintainability
RCF	Repair Cycle Float
RCM	Reliability Centered Maintenance
RX	Repair Exchange
SDC	Sample Data Collection
SMSP/F	Supporting Maintenance Sub-Plans
	File
SRO	System Readiness Objective
TDA	Table of Distribution Allowances

GLOSSARY - DATA FLOW DIAGRAM

<u>ABBREVIATION</u>	<u>DESCRIPTION</u>
ACC/PLAN/ASS	Acceptable Maintenance Plan Assessment
ACT/REQ/ANA	Actions Requiring Further Analysis
ASS/LRP/EXE	Assessment of Level of Repair Plans & Execution
ASS/ISSA	Assessment of Potential Usage of HINS, ISSA, CLS, ICLS
ASS/RES/REQ	Assessment of Tentative Resource Requirements
ASS/STRU/PMAC	Assessment of Structural Consistency of (P) MAC to (B) MC
ASS/STRU	Assessment of (B) MC usage of 3 Level Maintenance Structure
ASS/TRAD	Assessment of Tradeoff Analysis Required
ASS/TSK/TO/MSN/ID	Assessment of Task to Mission Identification
ASS/TSL/LVL	Assessments of Task Level Assignments
BATFLD/DAM/ASS/SUBPL	Battlefield Damage & Assessment Plans Data
BATFLD/DAM/ASSMNT/S	Battlefield Damage & Assessment Plan Sub-Assessments
CHA/LSAR	Changes to LSAR
CMPTR/RES/SUBASS	Computer/Resources Sub-Assessment
DEP/SPT/SUB/ASS	Depot Support Sub-Assessments
DEP/SUB/PLN/DTA	Depot Sub-Planning Data
DES/LOG/IMP	Design and Log Impact Statements
DISPL/EQUIP/SUB/ASS	Displaced Equipment Planning Sub-Assessments
FAC/SUBASS	Facilities Sub-Assessment
FLOAT/DX/SUB/ASS	Float/DX Planning Sub-Assessments
FLOAT/DX/SUB/PLN/DTA	Float/DX Sub-Plan Data
FOR/REQ/ASS	Format and Required Comments Assessment
ILS/PLCY/DIRECTIVES	ILS Policy Directives

LST/ACT	List of Actions with Unclear Outcomes
LST/CLR/OUT	List of Actions with Clear/Probable Outcomes
LST/SUBASS	List of Unacceptable/Conditional Sub-Assessments
LOG/DTA/ASS	Log Data Firmness & Completeness Sub-Assessment
LSA/REP	LSA Reports
MAINT/CAPA/ACTIV/SUB	Maintenance Capabilities Activation Planning Sub-Assessment
MAINT/CAP/ACTV'N/SUB	Maintenance Capabilities Activation Sub-Plan Data
MAINT/PLN/ASS/DTA	Maintenance Plan Assessment Data
MAINT/PLN/ASS/W/R	Maintenance Plan (overall) Assessment with Required Actions
MAINT/PLN/SPTNG/SUBP	Maintenance Plan Supporting Sub-Plan Overall Assessments
MAINT/POL/DTA	Maintenance Policies Data
MAINT/TSK/W/ASSOC	Maintenance Task with Associated Resources
MAN/PERS/SUBASS	Manpower/Personnel Sub-Assessment
MAT/FLD&TRANS/SUB/PLN	Material Fielding & Transfer Sub-Planning Data
NON/LSAR/DOC/DTA	Non LSAR Documented Data
NON/ORG/ARMY/SPT/SUB	Non Organic Army Support Implementation Planning Sub-Assessment
NON/ORG/MAINT/SUB/PLN	Non Organic Maintenance Sub-Planning Data
POTENTIAL/TSKS/NON-ID	Potential/Tasks with Unidentified Resources Sub-Assessment
PRI/GUID	Principles & Guidelines Used
REC/ACT 1	Recommended/Directed Corrective Actions
SDC/PLN/SUB/ASS	SDC Planning Implementation Sub-Assessments
SDC/SUB/PLN/DTA	SDC Sub-Planning Data
SPLY/SPT/SUBASS	Supply Support Sub-Assessment
SPT/TST/EQUIP/SUBASS	Support & Test Equip Sub-Assessment
SPTNG/MAINT/SUB/PLN/D	Supporting Maintenance Sub-Plan Data
STA/REQ	Status and Requirements
SUB/ASS	Standardization and Interoperability Assessments

SUB/ASS/(B) MC
SUBASS/INT/RES

SUBASS/PMAC

SUBASS/RES/MAINT

SUBASS/REQ

Sub-Assessment about (B) MC
Sub-Assessment Inter-Resource
Consistency with Maintenance Tasks
Sub-Assessment of (P) MAC
Compatibility with (B) MC
Sub-Assessment Inter-Resource
Consistency with Maintenance
Sub-Assessment of (B) MC Compatibility
with Requirements

T&E/DTA
T&E/SUB/PLN/DTA
TSK/LST/W/RCM/ASS
VALID/CORR/SUB/ASS

Test & Evaluation Data
Test & Evaluation Sub-Planning Data
Task(s) List with RCM Assessment
Validation & Corrective T&E Actions
Sub-Assessments

WARNTY/IMPLMNT/ASS

WARNTY/SUB/PLN/DTA

Warranty Implementation Planning
Sub-Assessments
Warranty Sub-Planning Data