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DATA ENTRY ABOARD SHIP - DEAS BREADBOARD SYSTEM DOCUMENTATION.(U)
SEP 75 R N KOONTZ, J A JEFFERS

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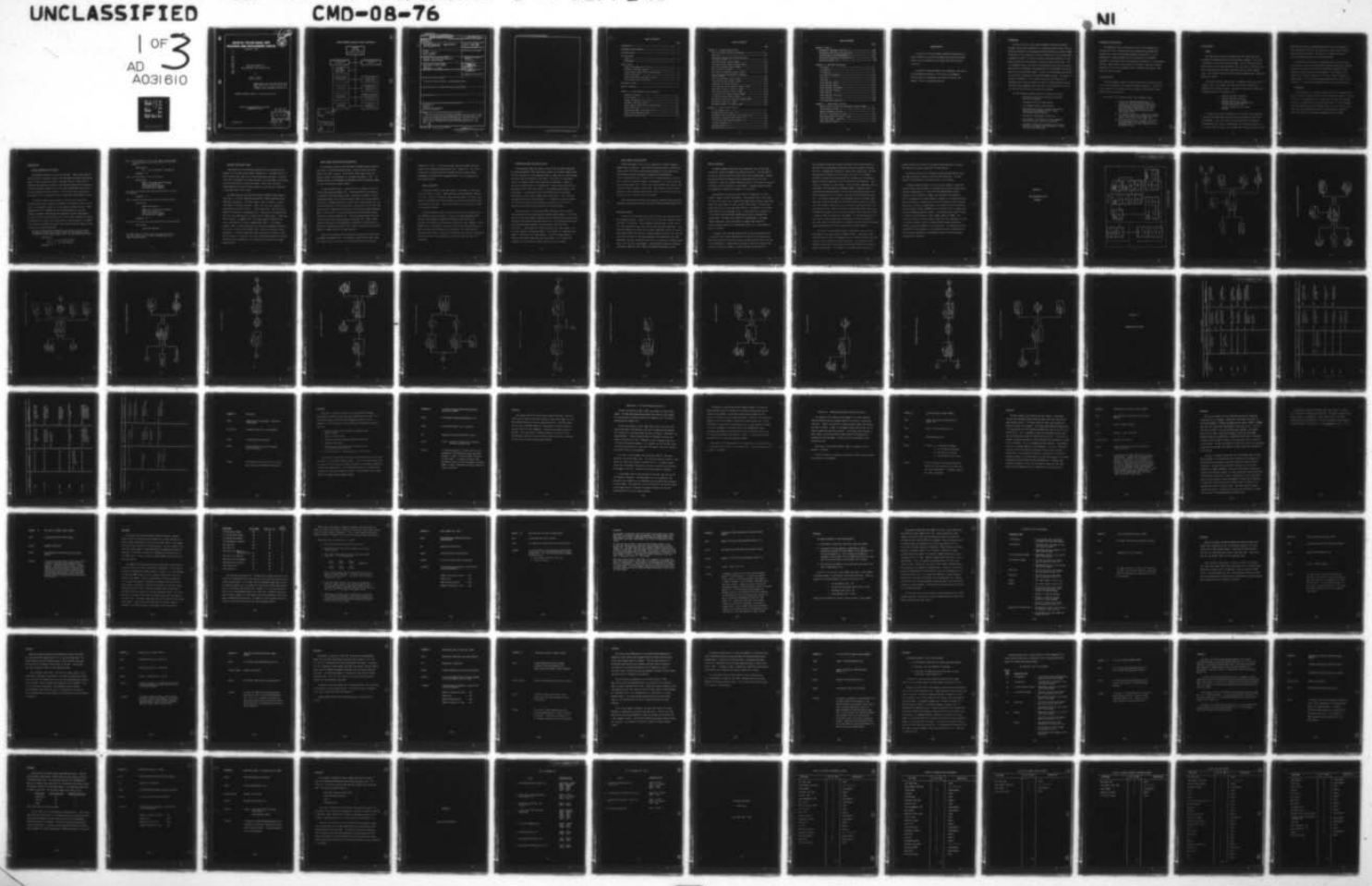


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DAVID W. TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER

Bethesda, Md. 20084

DATA ENTRY ABOARD SHIP
DEAS BREADBOARD SYSTEM DOCUMENTATION

by

Ronald N. Koontz
Jack A. Jeffers

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COMPUTATION AND MATHEMATICS DEPARTMENT
DEPARTMENTAL REPORT

SEPTEMBER 1975

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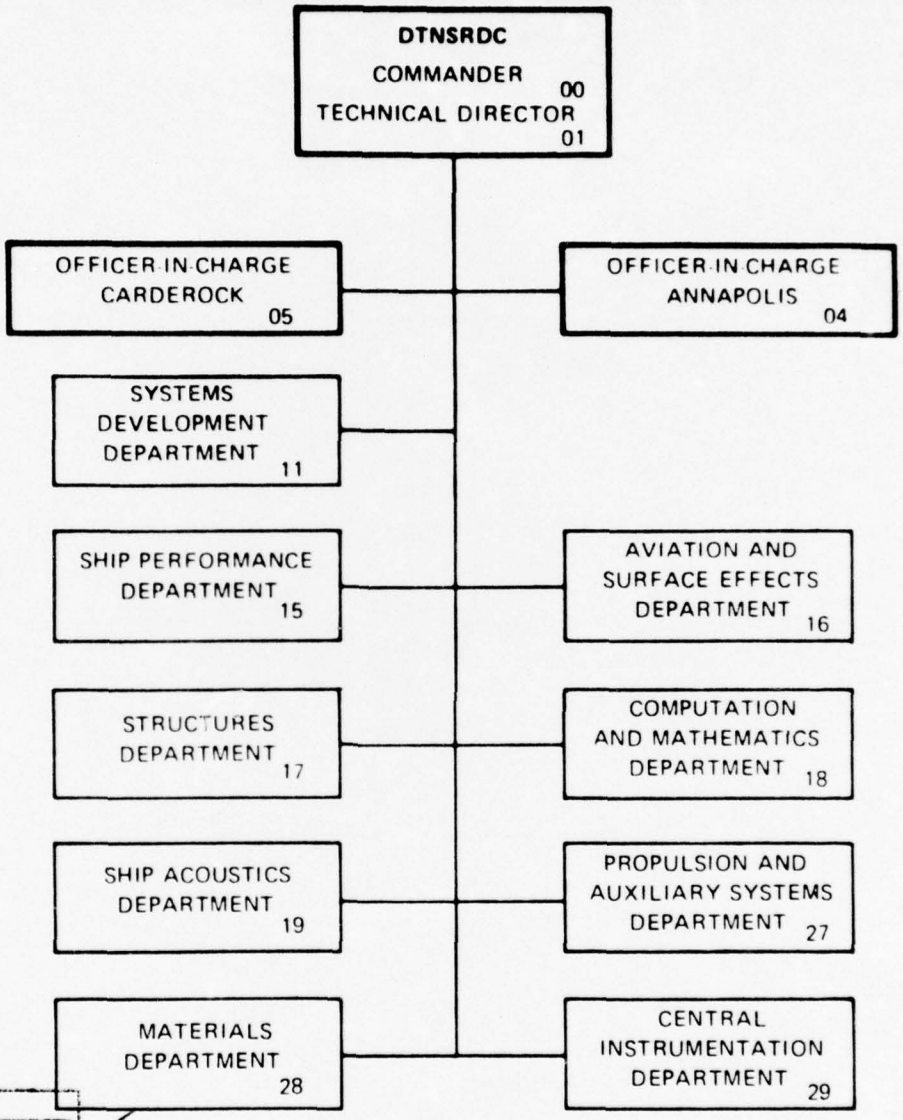

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1. REPORT NUMBER: CMD-08-76	2. GOVT ACCESSION NO.
3. RECIPIENT'S CATALOG NUMBER	
4. TITLE (and Subtitle): DATA ENTRY ABOARD SHIP - DEAS BREADBOARD SYSTEM DOCUMENTATION	5. TYPE OF REPORT & PERIOD COVERED: INTERIM REPORT, 1975
6. PERFORMING ORG. REPORT NUMBER	
7. AUTHOR(s): Ronald N. Koontz, Jack A. Jeffers	8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS: David W. Taylor Naval Ship R&D Center, Bethesda, Maryland 20084	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS: 62760N, TF 53531045
11. CONTROLLING OFFICE NAME AND ADDRESS: Naval Supply Systems Command, Code 043, Washington, D.C. 20376	12. REPORT DATE: September 1975
	13. NUMBER OF PAGES: 261
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)	15. SECURITY CLASS. (of this report): Unclassified
	15a. DECLASSIFICATION/DOWNGRADING SCHEDULE

16. DISTRIBUTION STATEMENT (of this Report)

APPROVED FOR PUBLIC RELEASE: DISTRIBUTION UNLIMITED.

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

Microprocessors
Logistics
Shipboard Data Processing
Source Data Automation

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

The Data Entry Aboard Ship (DEAS) Breadboard System has been designed to test the concept of using microprocessors to provide automation to the smaller and unautomated classes of surface ships. The DEAS software is tutorial and is designed to be used by non-ADP oriented sailors. This report documents the applications which have been developed for these tests.

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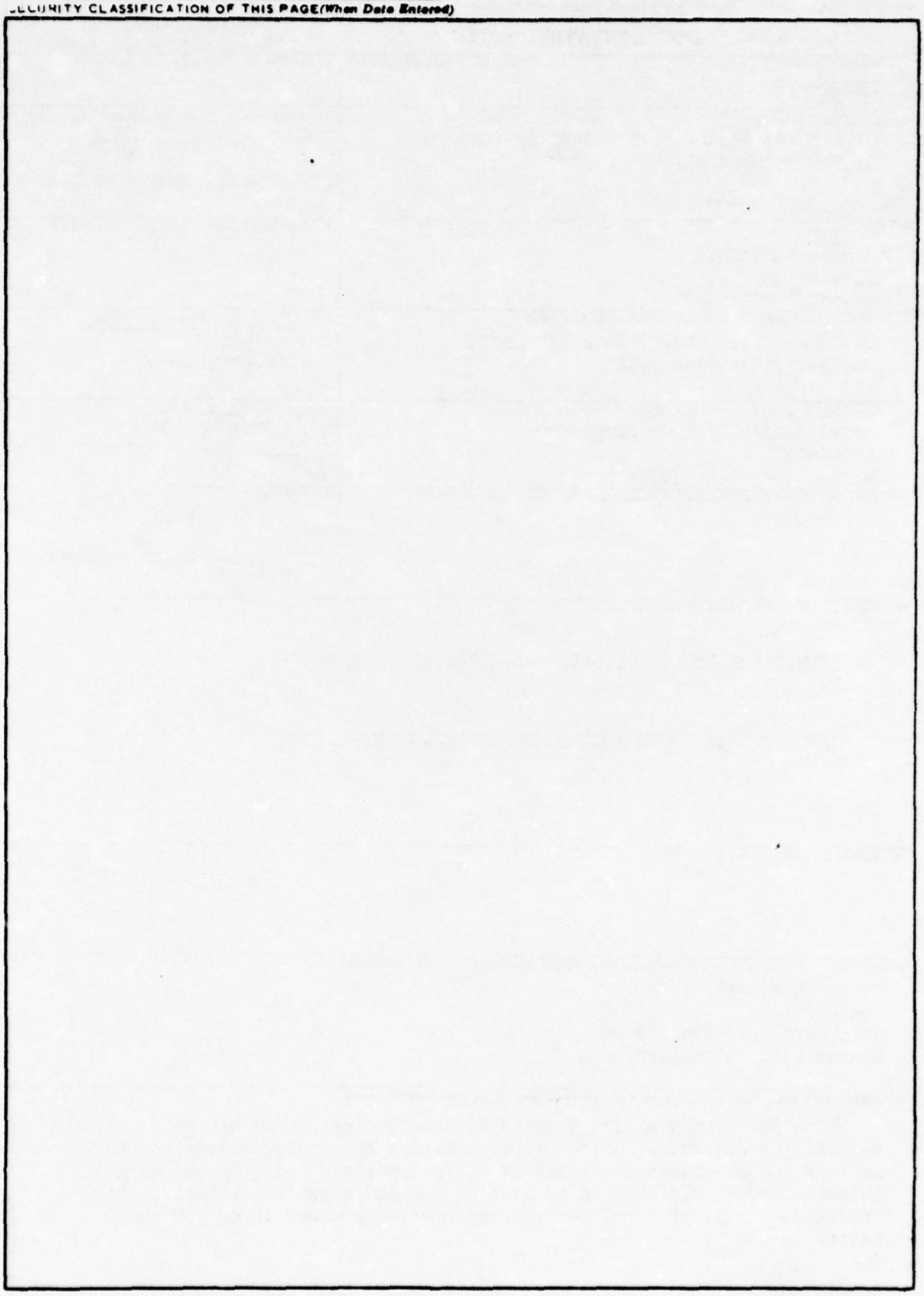

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ACKNOWLEDGMENTS

The authors of this text hereby state their appreciation to several members of the Data Entry Aboard Ship project and others without whose dedicated help this project would not have been successful.

We gratefully thank Joe Roberts for programming, Rich Serafin for programming and analysis, Vicki Alley for programming, Richard Sigman for programming, Herb White for analysis and George A. Smith for organizational help.

Introduction

The Data Entry Aboard Ship (DEAS) breadboard system was conceived, designed, and has been implemented as a prototype system for Navy ships not presently automated by the Shipboard Uniform Automated Data Systems (SUADPS). The purpose of the system was to test the feasibility of using current ADPE equipment (provided in the form of desk-top intelligent terminals) to apply modern technology to the problems of logistics control aboard ships. For the breadboard system, the supply office operations were selected and have been partially implemented as representative of the advantages to be gained aboard ship using the DEAS concept. A small set of maintenance applications has also been incorporated into the DEAS breadboard system. The system, as currently implemented, is not intended to be the final product for an automated afloat logistics system, but simply to demonstrate that the most important supply management functions, many of the mundane clerical jobs, and 3-M data collection can be successfully automated.

The DEAS breadboard system contains the following provisions:

- Source data capture and validation using modern data entry technology
- Telecommunications for data transfer
- An automated inventory control system
- Automated requisitioning, including data display aids to assist the Supply Officer in stock replenishment decision making
- Interactive interrogation of data files
- An automated, local CSMP as an aid to management decision-making for shipboard maintenance
- A computer configuration operated by such non-DP specialists as supply clerks and modular in design for quick, easy maintenance.

Breadboard System Hardware

The breadboard system is designed utilizing current manufacturer's off-the-shelf items. Minnesota, Mining and Manufacturing Company (3M) equipment was selected for the DEAS breadboard system due to: 1) the manufacturer's unique software, and 2) the compact size of hardware components. The system has the following basic configuration: 3M Information Processor (3MIP-contains an 8K processor and terminal, CRT, and 3 cassette tape drives in one unit), keyboard, printer, communications adapter, data phone set, and card reader.

Processing Setup

The DEAS breadboard system is divided into two basic processing setups: 1) daily processing, and 2) file updates and report generation. The On-Line System handles daily processing, while the Supply and Maintenance Systems handle updating and reporting.

Three master files are maintained in the breadboard system:

1) 1114 SIM and 1348 Outstanding Master File - contains all SIM stock battery records, all outstanding requisitions with all associated status messages, non-SIM transaction records held until the non-SIM update is run, and three index tables used to speed up search and retrieval times,
2) 1114 Non-SIM Master File - contains all non-SIM stock battery records and an index table used to speed up search and retrieval times, and
3) Maintenance Master File - contains 2-KILO forms for maintenance actions in process, and all associated 1250's and 1348's generated by each maintenance action.

On-Line System

Supply

The supply daily processing system contains the supply data entry (validation) programs and the on-line interrogation program. This system is designed to run during the 8-hour workday. The on-line system concept combines many of the supply department's daily activities (collecting forms data, validating forms, and record searching) into one simple computer setup. This computer setup provides the supply department with a convenient operational system.

Collecting forms data (data entry) is performed at the source level of creation, that is, the supply clerk familiar with the information is responsible for entering the data. The system for data entry provides the following features for the supply clerk:

- character and field validation,
- skipping fields not required,
- automatic duplication of fields, skipping back and forth between fields to correct any errors, and
- constant information fill-in where possible.

The supply clerk uses the keyboard, as if he were using a typewriter, to display any needed supply form on the CRT and proceeds to key in the required data. He can also read in the form data from a transferable storage medium, for instance, punched cards, and review and correct it as it is input into the system. The displayed form contains the names of each

data field and asterisks representing the data fields (see Appendix D). After completion of the form, the information is written onto cassette tape and optionally printed. The keying in of supply forms data is continued throughout the day by the supply personnel.

While performing the duties of completing supply forms, the supply clerk can key in the on-line interrogation program (record search program) to locate and display any 1114 stock record and/or accompanying 1348 outstanding requisitions with status messages. The displayed record contains all of the data fields in an 1114 stock record, 1348 order, or status message. This provides the supply department with instant visual information. A copy of any displayed record can be optionally printed.

Maintenance

The maintenance daily processing system contains the maintenance data entry (validation) programs and the on-line interrogation program. A sailor filling out a maintenance form is provided with the same system features available to a supply clerk filling out supply forms. He can interrogate the supply stock battery and outstanding files to aid him in filling out 1250's for maintenance actions and to facilitate quicker response to inquiries affecting the maintenance management decision process.

Supply System

Reorder and Master File Listing

SIM and Non-SIM master file lists are provided. These contain SIM and Non-SIM records on separate listings, with the number and type of outstanding orders for each unique stock record. The stock record is listed with all necessary identifying data fields for maintaining accurate stock record data to agree with COSAL information, to aid in stock replenishment decisions, or to issue supplies from stock locations. The listings also provide a hard copy backup of file information in case of temporary system hardware failure.

A candidate reorder option provides a listing of just those SIM or Non-SIM records due for reorder with computed cost required to order to high limit. The candidate reorder list can be used by the Supply Officer, either separately from or in conjunction with the data displays in the order system, to determine 1348 requisitions necessary for stock replenishment. The master file and reorder program and all other supply programs are designed for operation by a supply clerk inexperienced in data processing. An example of the interaction between the supply clerk responses and the computer display instructions is demonstrated below.

The supply clerk wants the SIM master file printout (listing) option. He gives the program identification (CANRO) and the program is read into memory from the supply program tape. The following display appears.

VIDEO DISPLAY

KEY C TO LIST CANDIDATES ONLY,

KEY A TO LIST STOCK RECORDS.

(RESPONSE) "A"

Note: Only the letter "C" or "A" will work, nothing happens if any other keys are hit until either "C" or "A" is keyed in.

VIDEO DISPLAY

KEY S FOR SIM REPORT, N FOR NON-SIM

(RESPONSE) "S"

Note: Only the letter "S" or "N" will work.

VIDEO DISPLAY

MOUNT 1114 SIM AND 1348 OUTSTANDING
MASTER FILE ON DRIVE 2.
TURN ON AND SELECT PRINTER.
KEY M WHEN TAPE IS MOUNTED.

The supply clerk mounts the correct tape on Drive 2 and keys his response.

(RESPONSE) "M"

Note: Mounting the wrong tape gives the following display.

VIDEO DISPLAY

WRONG TAPE ON DRIVE 2.

MOUNT 1114 SIM AND 1348 OUTSTANDING
MASTER FILE ON DRIVE 2.
TURN ON AND SELECT PRINTER.
KEY M WHEN TAPE IS MOUNTED.

(RESPONSE) "M"

At the end of the job, the screen displays the following message.

VIDEO DISPLAY

PROCESSING COMPLETED

The supply clerk can either recycle through this routine, selecting another option; switch to another routine, or return to other duties.

Automatic 1348 Order System

1348 requisitions are provided automatically for the Supply Officer whenever an 1114 stock record reaches reorder point. The Supply Officer is able to select those 1348's he can order depending on finances. A running total cost is provided as the Supply Officer, or his designated requisitioner, runs the 1348 requisition selection program. After 1348's for stock replenishment are selected, document numbers are furnished for transmittal to the Naval Supply Center ashore.

The 1348 information can consist entirely of default values, based on high limit, or it can be inserted using the full range of DEAS data entry techniques and features. The order system is used to create all types of 1348 orders and follow-up messages. 1348's fall into four categories as determined by the Supply Officer: 1) walk through 1348 - these orders are temporarily placed on the outstanding file. Usually they are completed the next day as the receipted item is entered into the DEAS system. A hard copy 1348 is printed. 2) CASREPT 1348 - this order produces a MILSTRIP form which is delivered to the ship's communication office. 3) DTO (direct turnover) 1348 - an order designated for a particular department within the ship, and 4) SR (stock replenishment) 1348 - orders for the ship's supply department. It should be noted that requisitions can be filled out in the On-Line System, if so desired. This saves the supply personnel from running the order system to generate just a few requisitions during a low volume requisition day.

Supply Update System (SIM and Outstanding)

The transaction tape from the DATA ENTRY and ORDER programs contains 1250 issues, 1114 SIM and Non-SIM records, 1348 requisitions and status records, and 1348-1 receipts. These various record types provide the changes, updates, and adjustments to the supply department's files. The transaction data are reformatted and sequenced by NIIN and document number for input into the Daily Update Program.

The Daily Update Program is responsible for any changes to the 1114 SIM and 1348 Outstanding Master File. The program performs such tasks as: 1) decrement SIM on-hand quantity when a 1250 issue is posted, 2) adjust SIM on-hand quantity from a gain-by-inventory (GBI) or a loss-by-inventory (LBI) entry, 3) change unit price, location, add a substitute NSN, etc., or 4) add or delete any 1114 SIM stock record. Any action to the 1114 Non-SIM stock records is temporarily written onto the 1114 SIM and 1348 Outstanding Master File tape until it can be processed by the Non-SIM Update Program against the 1114 Non-SIM Master File. The Daily Update Program also posts 1348 requisitions and status messages to the Master File. When a 1348-1 receipt is entered, the 1348 outstanding requisition is deleted from the Master File (provided the receipt is not a partial receipt) and the receipt quantity is added to the 1114 on-hand quantity.

There are many checks within the program to ensure that accurate data are added to the Master File. For instance, a 1250 issue for stock items will cause an error if the unit of issue does not match the 1114 stock

record unit of issue. This error and other possible erroneous data are listed on the SIM and Outstanding Audit Trail - Reject List. The list is also used as a recorded dairy of all update actions and their effects. An updated 1114 SIM and 1348 Outstanding Master File is produced by the Daily Update Program.

Supply Transmittal

An important feature of the DEAS system is transmittal of 1348 requisitions and 1250 issue data. These data can be transmitted while the ship is in port. At sea, a transmittal tape containing 1348's and 1250's can be mailed or transmitted until future advances in communication sophistication are provided for the Navy. (2-KILO form transmission could easily be added to the prototype system.)

The DEAS breadboard system includes two routines which interface with the breadboard system manufacturer's software for data telecommunication. One, the 1348 transmittal requisition program, selects the DTO and SR 1348's for transmission from the daily transaction tape. Whenever a 1348 CASREPT order is encountered, the supply clerk provides MILSTRIP group and date information and a MILSTRIP form is produced. The second program, a 1250 transmittal program, selects all 1250 records from the daily transaction tape and the 1250's are transmitted in the same way that the 1348's are transmitted.

Outstanding Orders and Status Listing

The Outstanding Orders and Status Listing allows the supply department to review and expedite 1348 requisitions currently in the Naval Supply System. The list contains all of the requested 1348's on order and all status messages received by the ship relating to the 1348's. Using the list, the Supply Officer can determine which orders need follow-up messages, a change in priority to ensure delivery, or cancellation. A copy of the status listing distributed to the ship's work centers is an important added feature of the DEAS system. It provides the various work centers with an up-to-date accounting of action on their needed supply requisitions. The listing can be produced using any of three options: 1) a complete list by work centers, 2) a list of all requisitions and status by priority, or 3) a list of requisitions and status 30 days and older or 60 days and older.

The 1348 status list contains the 1348 requisitions and all related status messages in work center code and document number sequence. All of the data fields from the standard 1348 Navy form are printed with coinciding status messages printed directly below each requisition. The following status fields are printed only when different from the original 1348 requisition information: routing identifier, media and status code, stock number, unit of issue, quantity, and document number. For instance, if a substitute stock number is indicated on the status message, it will be printed because it replaces the original 1348 requisition stock number. In all cases, the remainder of the status data (status code, etc.) will be printed.

Supply Update System (Non-SIM)

The Non-SIM update is run on an as needed basis, probably somewhere between weekly and monthly. The Non-SIM transactions which are temporarily stored on the 1114 SIM and 1348 Outstanding Master File are input to the Non-SIM Update Program to produce an updated 1114 Non-SIM Master File. A Non-SIM Audit Trail - Reject List is printed containing a history of all master file updates, changes, and adjustments. As listed on the SIM and Outstanding Audit Trail - Reject List, the Non-SIM listing contains 1250 issues from stock, changes to data fields, LBI's and GBI's, posted receipt quantities, record additions and deletions, and a list of errors, such as an incorrect unit of issue on a 1250 issue record.

After the Non-SIM transactions are processed, another program purges all the Non-SIM transactions from the 1114 SIM and 1348 Outstanding Master File.

Maintenance System

A small set of maintenance applications has been incorporated into the DEAS breadboard system. A master file of 2-KILO forms with supporting 1250's and 1348's is maintained. The maintenance system provides a direct tie-in for 2-KILO maintenance jobs which interface with the supply department. The interface between work centers and the supply department provides the various work centers within the ship with a printout showing the 2-KILO job, the 1250 issue forms delivered to the supply department and completed by the supply department, plus any 1348 requisitions which are created by the supply department to fill the 1250 issue request. The maintenance system also produces a maintenance completion report detailing completed maintenance actions.

Special Techniques

The DEAS breadboard system has been implemented using the principle of tutorial interaction between the system and the user. Care was taken to provide user action prompting displays without having them become so lengthy and complicated that the operation gets bogged down with trivial user responses or, worse yet, becomes confusing because of the variety of possible alternative actions available at a given point. Erroneous operator inputs are immediately signaled to the operator for correction.

One example of the executive type control of operations is in the system's usage of cassette tape headers. Each cassette tape in the system, including blank tapes, has a standard tape header which contains, among other things, the tape number, the name, and the creation date of the tape and a usage code used for system tape mount checking. The operator is told which tapes to mount for any underway action. If the wrong tape is mounted, he is notified of the incorrectly mounted tape so that he can mount the correct tape. The date of each master file tape mounted is displayed before processing so that the operator can double check that he is using the latest edition of the appropriate master file. Tape changing is kept to a minimum.

The supply files have been separated into 1) SIM and outstanding and 2) Non-SIM so that related information can be stored in the same place as much as possible while retaining a faster average retrieval time for on-line file interrogations. SIM and Non-SIM records are placed on separate files because of the massive number of records contained in Non-SIM files.

The outstanding records are placed on the same file as the SIM records so that both SIM and outstanding records can be quickly and easily retrieved. This file is updated daily against all supply input transactions. Non-SIM transactions are stored on this file until such time as it is deemed desirable to update the massive Non-SIM file, thereby saving a tremendous amount of needless operational time in performing Non-SIM updating. Both files are in sequence by stock number. Since the supply departments require outstanding file interrogation by document number, a complete index of outstanding file document numbers and their corresponding locations on the SIM and outstanding file is placed at the front of the SIM and outstanding file. The cassette tapes used in the breadboard system are blocked, which means that if the block number of a particular record on the file is known, it can be reached 5 times as fast as it could be by reading the entire file one record at a time. Both files contain a stock number index listing every sixteenth stock number on the file and its beginning block location in order to speed up times for queries by stock number. The SIM and outstanding file also contains a Non-SIM tape index indicating the Non-SIM tape number of each stock number on the Non-SIM file so that the system can tell the operator exactly which Non-SIM file tape to mount during Non-SIM inquiries.

A big asset in the breadboard system is provided by the use of the manufacturer's data entry generator (DEGEN) package. The various input transaction forms contain a comprehensive set of validation features and the user can easily change from one form to another. This package has been modified so that the on-line system could include the master file interrogation routine (AVAIL). This results in an on-line daily system which

performs the daily activities of the supply system and requires cassette tape changing only during a Non-SIM file interrogation.

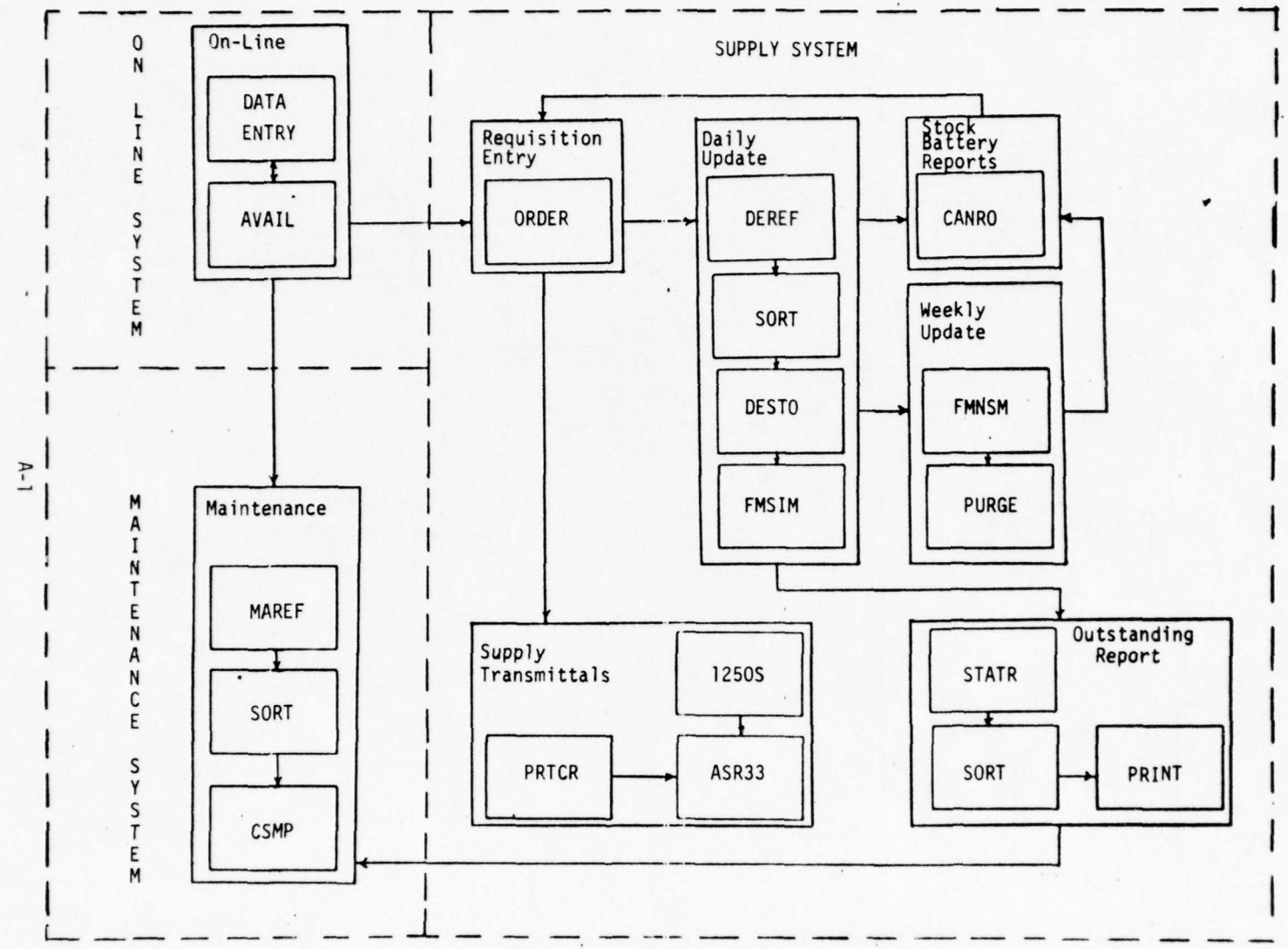
Operational printing of CRT displays has been provided wherever hard copy might be desired instead of always printing everything. Discreet usage of printing options can save the user a lot of printing.

The DEAS breadboard system is written in 3MIP assembler language and contains several small programs for reformatting data and performing simple functions necessitated by 1) the use of some manufacturer provided software, 2) the limitation of memory size (8K bytes), the problem of which is compounded by the 3MIP assembler language's use of both paging and banking techniques for addressing, and 3) the limitation of three cassette tape drives as the only storage medium. All programs with the exception of the manufacturer's DEGEN, SORT/MERGE, and transmittal (ASR 33) programs were written by DTNSRDC programmer analysts. These programs were under 4K bytes in length with the exception of AVAIL, ORDER, FMSIM, and FMNSM. This limiting of program sizes was actually found to be very advantageous in that it resulted in better, simpler to change routines without appreciably affecting processing capability at any given point. The programs have been automatically linked together in the maintenance system to demonstrate the ease of making transparent to the operator the use of multiple programs to perform some functions.

APPENDIX A

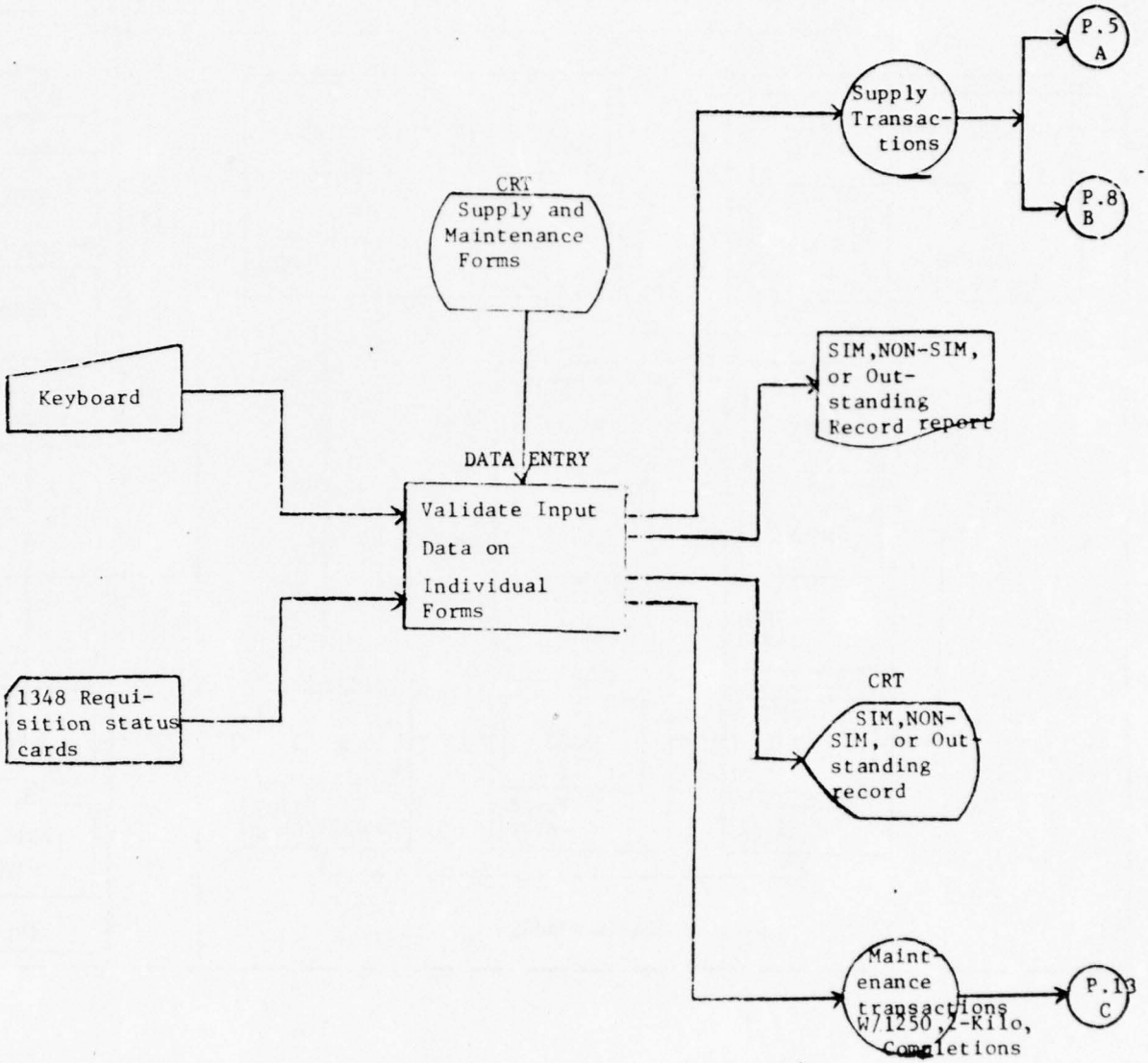
DEAS BREADBOARD SYSTEM

FLOWCHART

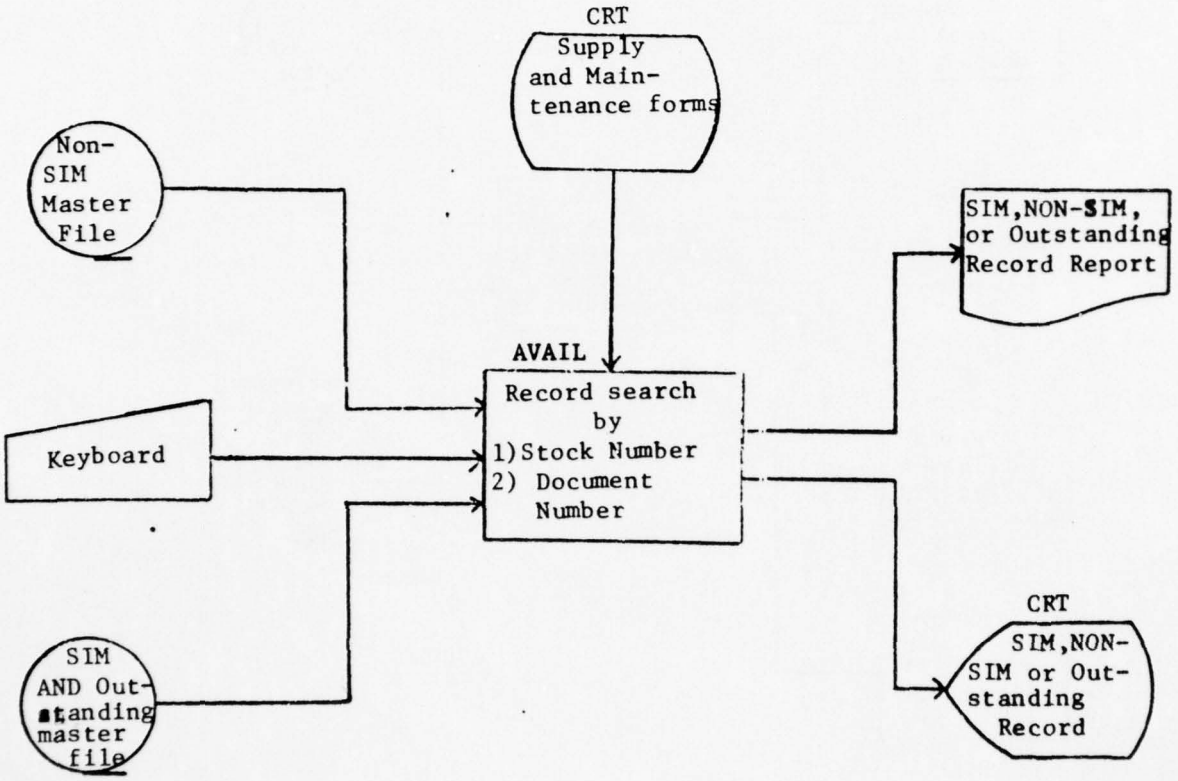


DEAS BREADBOARD PROGRAMS

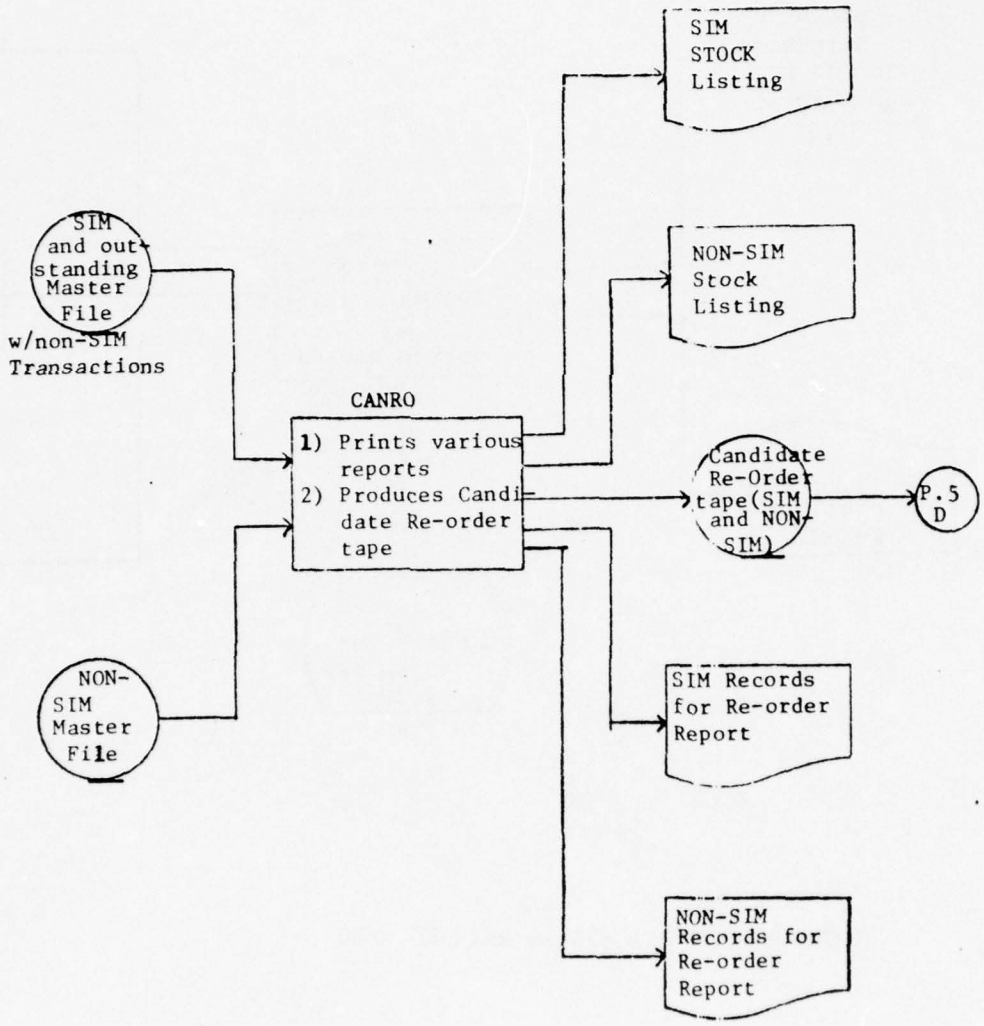
DEAS ON-LINE SYSTEM (FORMS VALIDATION)



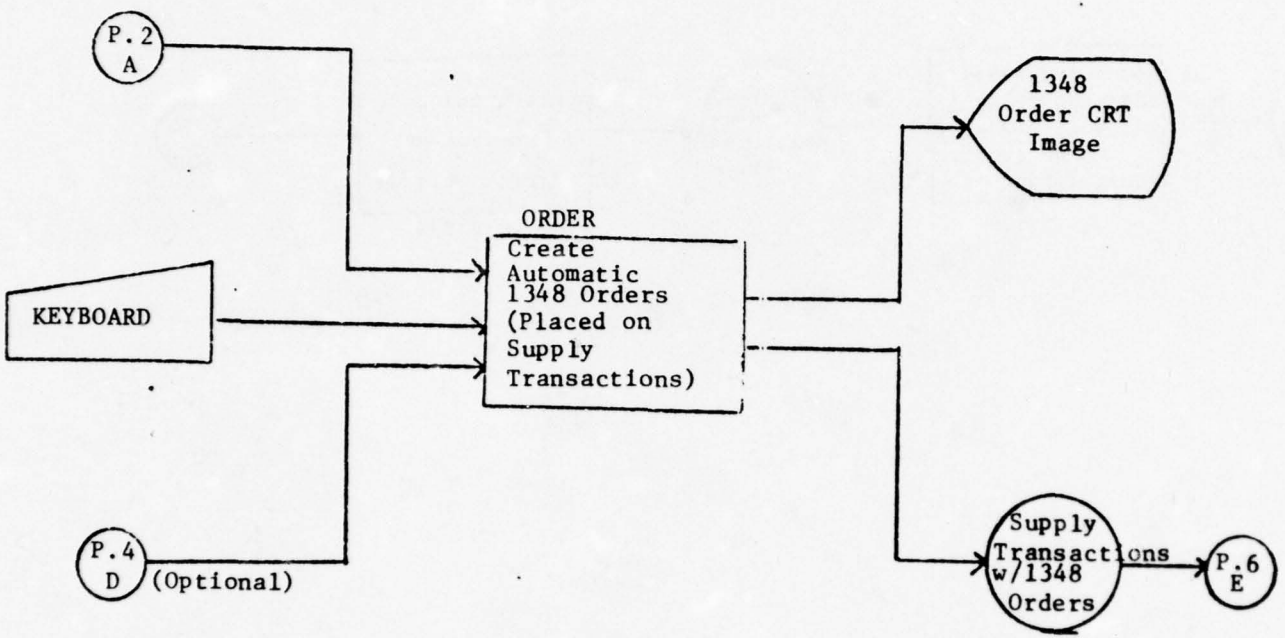
DEAS ON-LINE SYSTEM (SEARCH PROGRAM)



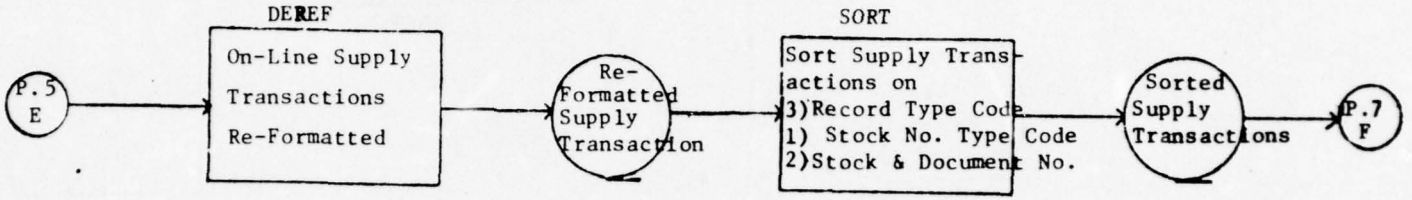
RE-ORDER AND MASTER FILE LISTING (as needed)



AUTOMATIC 1348 ORDER SYSTEM (DAILY)



SUPPLY UPDATE SYSTEM(DAILY)



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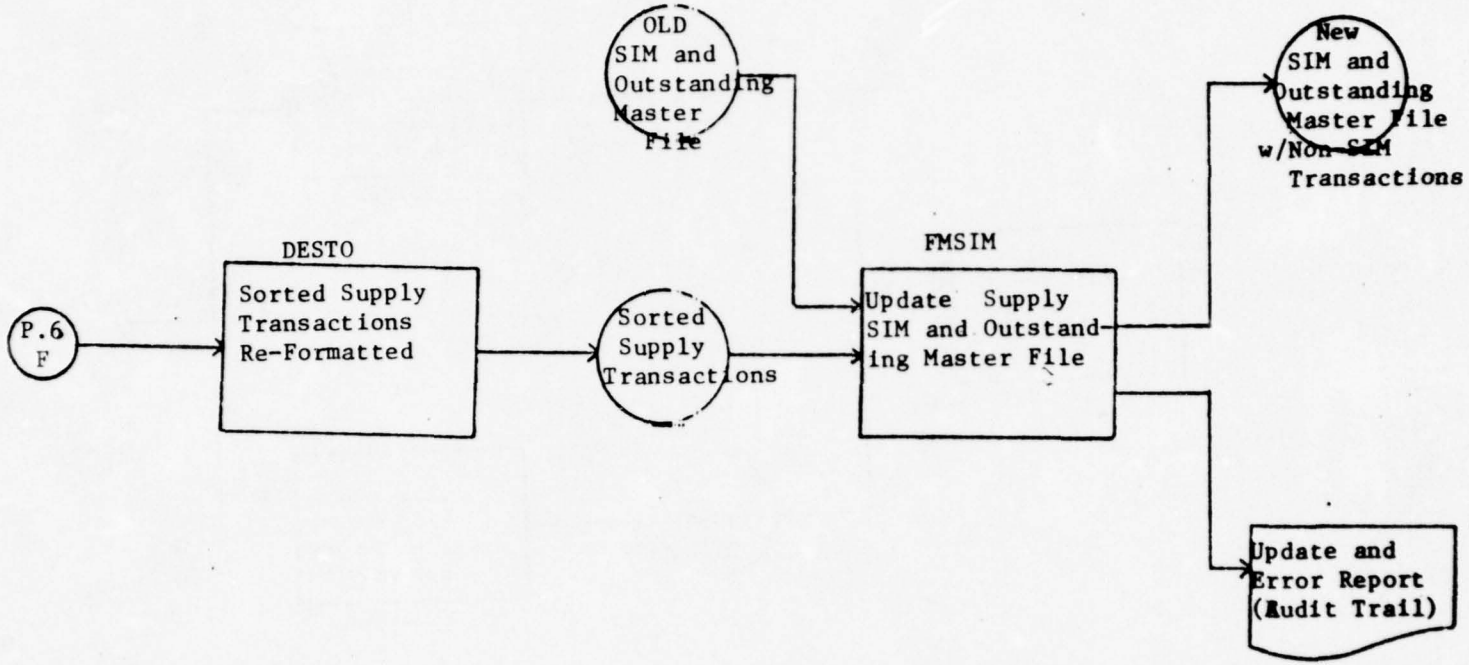
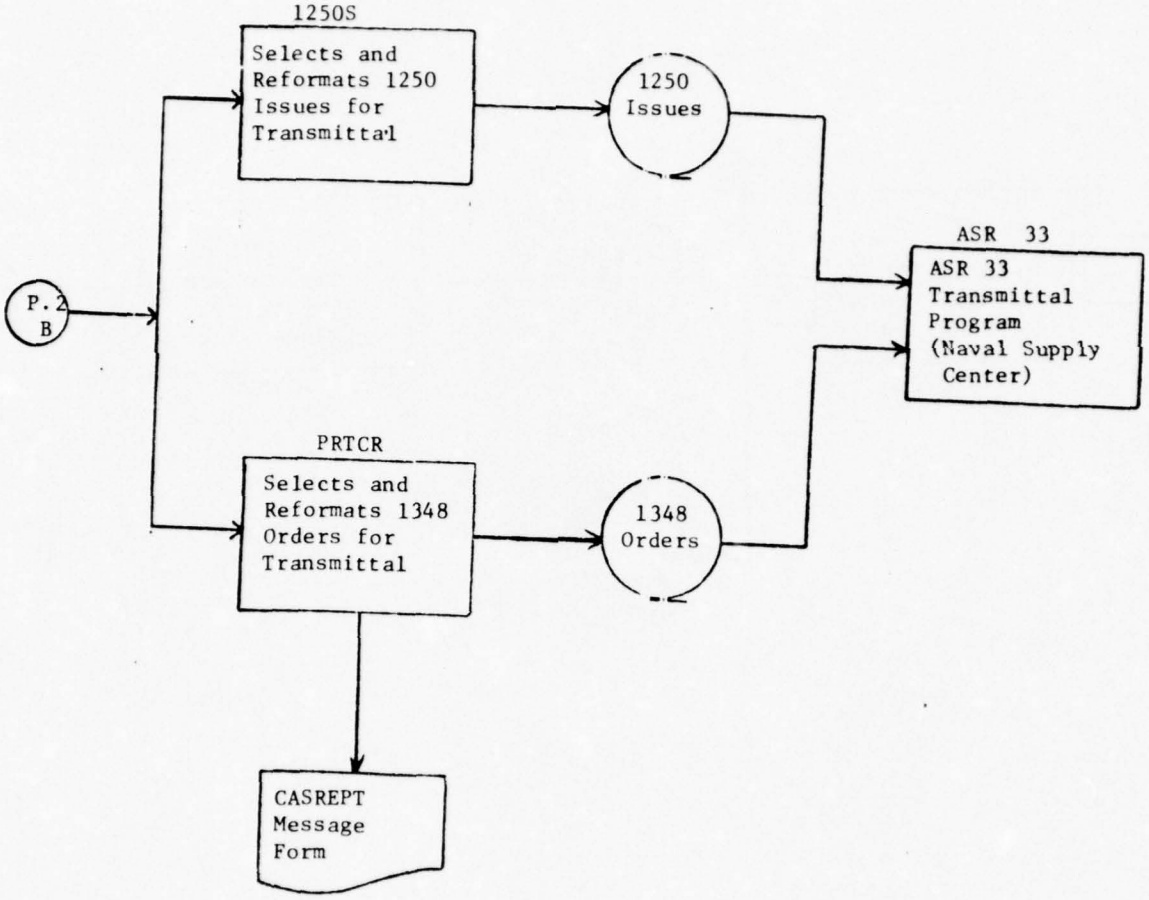
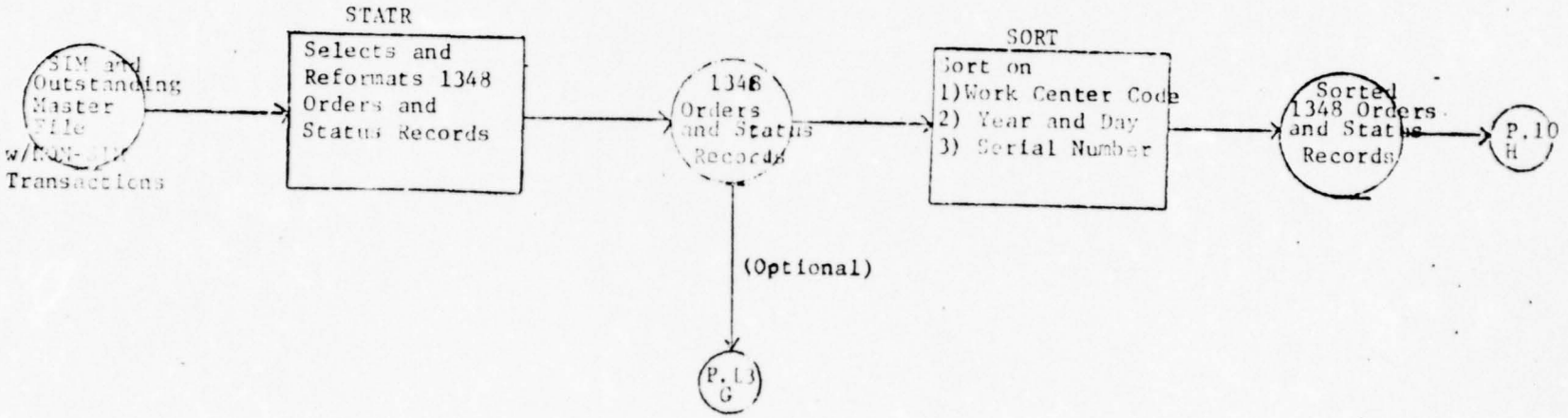


SUPPLY TRANSMITTAL PROGRAMS (AS NEEDED)



OUTSTANDING ORDERS AND STATUS LISTING (WEEKLY)



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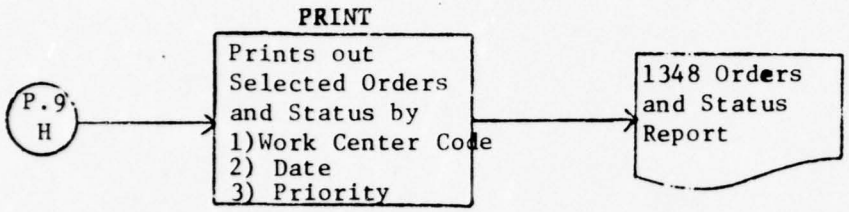
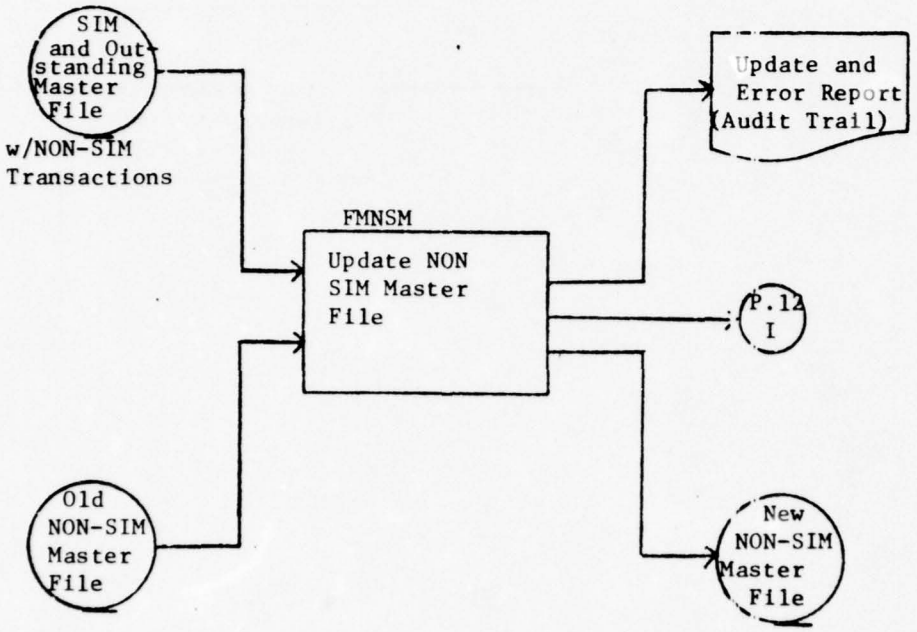


UPDATE SYSTEM (WEEKLY)



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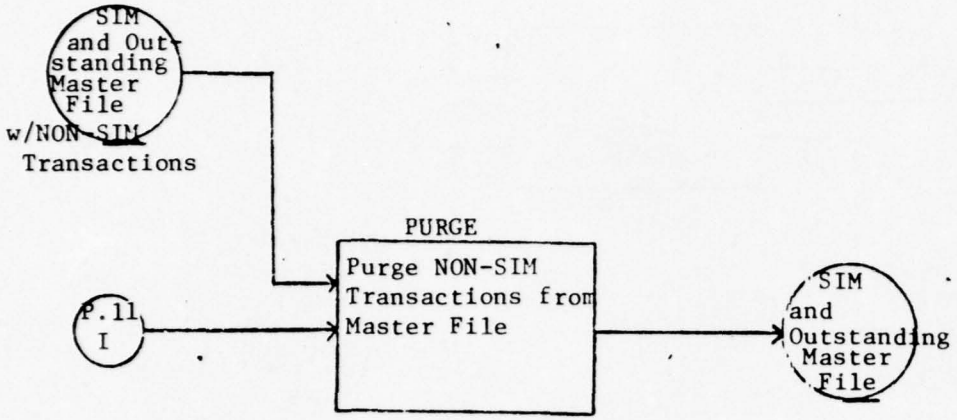
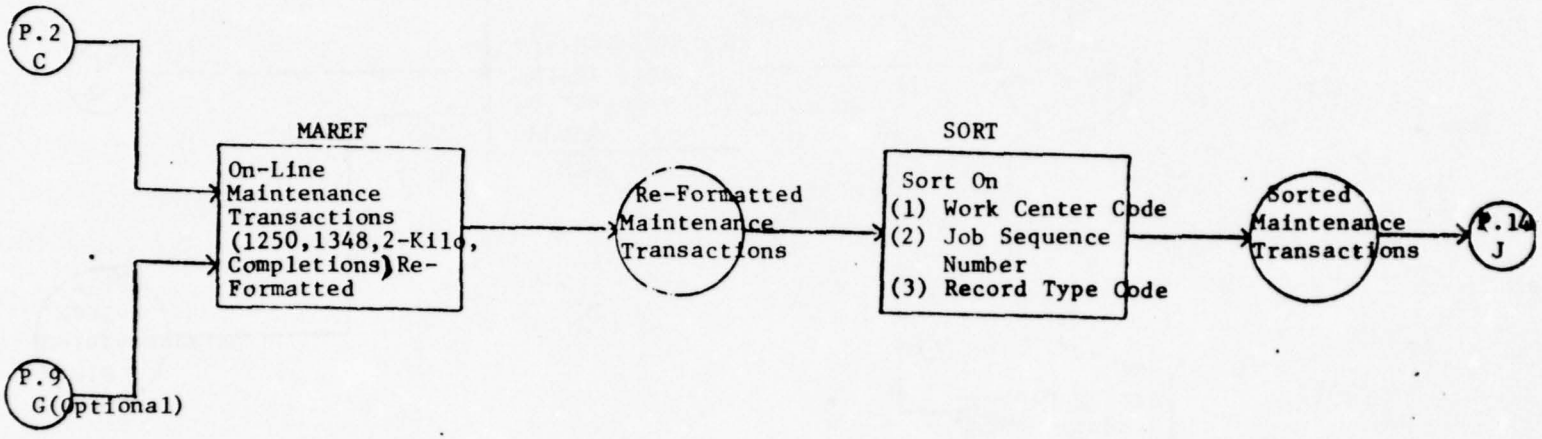


MAINTENANCE UPDATE SYSTEM (WEEKLY)



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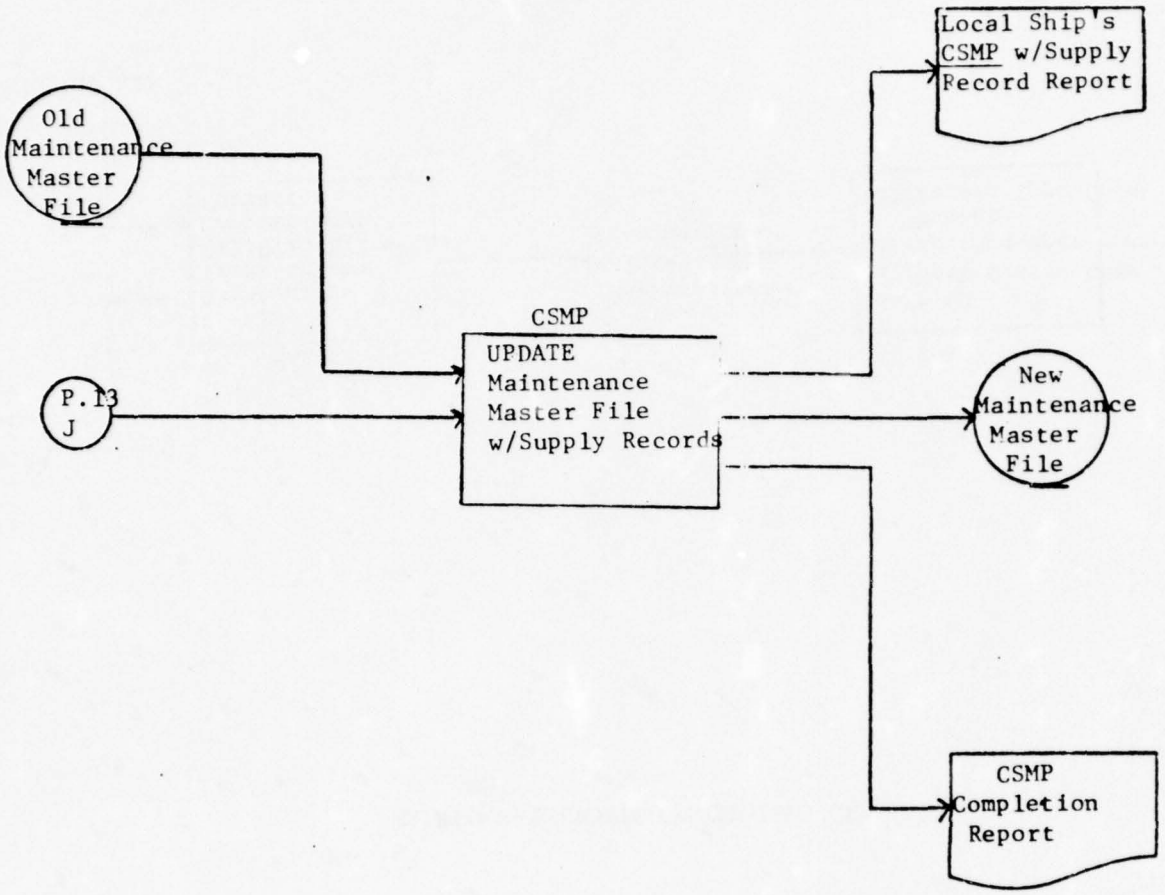

APPENDIX B

PROGRAM SPECIFICATIONS

PROGRAM TAPE DRIVE ASSIGNMENTS

Program Name	Cassette Drive #1	Cassette Drive #2	Cassette Drive #3
1. DATA ENTRY 2. AVAIL	Program: Supply On-Line Tape or Maintenance On-Line Tape	Output: Validated Data Entry Supply File or Maintenance File Input: (if required) 1114 Non-SIM Master File	Input: 1114 SIM and 1348 Outstanding Master File
3. CANRO	Program: Supply System Tape Output: (if required) Candidate Reorder File	Input: 1114 SIM and 1348 Outstanding Master File	Input: (if required) 1114 Non-SIM Master File
4. ORDER	Program: Supply System Tape	Input/Output: Validated Data Entry Supply File	Input: (if required) Candidate Reorder File
5. DEREF	Program: Supply System Tape	Input: Validated Data Entry Supply File	Output: Reformatted and Validated Data Entry Supply File
6. SORT (#1)	Program: Supply System Tape	Input: Reformatted and Validated Data Entry Supply File (Unsorted) Input: (if required) Blank Tape	Output: Reformatted and Validated Data Entry Supply File (Sorted)

Program Name	Cassette Drive #1	Cassette Drive #2	Cassette Drive #3
7. DESTO	Program: Supply System Tape	Input: Reformatted and Validated Data Entry Supply File (Sorted)	Output: Realigned, Sorted Data Entry Supply File
8. FMSIM	Program: Supply System Tape Input: Realigned, Sorted Data Entry Supply File	Input: 1114 SIM and 1348 Outstanding Master File (Old)	Output: 1114 SIM and 1348 Outstanding Master File (New)
9. 1250S	Program: Supply System Tape	Input: Validated Data Entry Supply File	Output: Reformatted 1250 Issue File
10. PRTCR	Program: Supply System Tape	Input: Validated Data Entry Supply File	Output: Reformatted 1348 Requisition File
11. ASR33	Program: Supply System Tape	Input: Reformatted 1250 Issue File Input: Reformatted 1348 Requisition File	

Program Name	Cassette Drive #1	Cassette Drive #2	Cassette Drive #3
12. STATR	Program: Supply System Tape	Output: Reformatted 1348 Orders and Status File	Input: 1114 SIM and 1348 Outstanding Master File
13. SORT (#2)	Program: Supply System Tape	Input: Reformatted 1348 Orders and Status File (Unsorted) Input: (if required) Blank Tape	Output: Reformatted 1348 Orders and Status File (Sorted)
14. PRINT	Program: Supply System Tape		Input: Reformatted 1348 Orders and Status File (Sorted)
15. FMNSM	Program: Supply System Tape Input: 1114 SIM and 1348 Outstanding Master File	Input: 1114 Non-SIM Master File (Old)	Output: 1114 Non-SIM Master File (New)
16. PURGE	Program: Supply System Tape	Input: 1114 SIM and 1348 Outstanding Master File (with 1114 Non-SIM Update Supply Records)	Output: 1114 SIM and 1348 Outstanding Master File (without 1114 Non-SIM Update Supply Records)

Program Name	Cassette Drive #1	Cassette Drive #2	Cassette Drive #3
17. MAREF	Program: Maintenance System Tape	Output: Reformatted Maintenance Transactions File	Input: Validated Date Entry Maintenance File Input: Reformatted 1348 Orders and Status File
18. SORT (#3)	Program: Maintenance System Tape	Input: Reformatted Maintenance Transactions File (Unsorted) Input: (if required) Blank Tape	Output: Reformatted Maintenance Transactions File (Sorted)
19. CSMP	Program: Maintenance System Tape Input: Maintenance Master File (Old)	Output: Maintenance Master File (New)	Input: Reformatted Maintenance Transactions File (Sorted)

PROGRAM-ID:	Data Entry
Input:	Keyboard and/or Card Reader - Data Entry Transactions
CRT Display:	Interactive Data Entry and Validation
Output:	Validated Data Entry Records
Output:	Printer-Optional Listing of Validated Data Entry Records
Purpose:	To validate and store, on-line, all of the input supply and maintenance transactions.

PROCEDURE:

Data Entry is actually a system of on-line validation programs. Each program validates a particular input transaction record type. The transaction formats used in the DEAS breadboard system are given in Appendix D. While validating a given input form the data entry programs allow for

1. Character and/or field validation by character type, range, or table;
2. Optional default values;
3. Character and field skipping backwards and forwards;
4. Computed field values;
5. Duplication of field values from the previous valid input transaction record; and
6. Optional printing of the transaction or a part thereof.

The data entry system executive allows for switching from one form type to another or to the search program (AVAIL). This can be accomplished either by using a form call code or by passing to either of the adjacent programs on the data entry program tape. For a thorough discussion of user/data entry interface see "Data Entry Aboard Ship (DEAS) - User Workbook" by Ron Koontz, Naval Ship Research and Development Center.

PROGRAM-ID:	1114 Stock Item and 1348 Outstanding Order Availability (AVAIL)
Input:	1114 SIM and 1348 Outstanding Master File
Input:	1114 Non-SIM Master File, if required.
CRT:	Operator Instructions and Search results.
Output:	Printer - Optional listings of all selected records and data fields.
Purpose:	To locate and display 1114 stock items with any accompanying 1348 outstanding orders and status messages in order to show up-to-date information by stock number. To locate and display 1348 outstanding orders and status messages by document number in order to determine individual requisition status and history.

PROCEDURE:

The program begins with one of the two options provided. The first allows the key input of NIIN, part number, or local stock number for 1114 Stock Record Availability and all associated records. The other allows the key input of Document Number for the purpose of checking 1348 Outstanding Orders and Status Messages. Displays giving these options are provided. Also, the display of proper mounting instructions for the SIM/Outstanding Master File and a validity check of the tape is required to insure that the proper tape has been mounted.

Section One - 1114 Stock Record Availability

Display instructions to key in NIIN, part number, or local stock number. Validate the keyed data and search the index of stock numbers for the tape block location of desired 1114 Record on the 1114 SIM and 1348 Outstanding Master File.

A NIIN, part number, or local stock number match on the file with record type code of 1Ø indicates a SIM item is located and the program will display all of the data fields from the 1114 Record, 1348 Record, and Status Messages. Screen limitations make it necessary to display one master file record at a time. Therefore, to get a complete study of an 1114 Record and related records, it is necessary to print all data fields of records associated with a particular 1114 Record. The print listing is an optional choice for the operator.

A no match in Stock Number with record type code of 1 indicates a Non-SIM or not carried stock item. This condition requires a check of index tables for stock items located on the Non-SIM file. A display message should give the operator instructions for proper mounting of the selected tape number of the file. Validation of the tape number is necessary.

A Stock Number match on the Non-SIM file indicates that the Non-SIM 1114 Record is available. The outstanding file is now checked or has previously been checked for any 1348 Record and associated Status Messages by Stock Number. Also required is the verification of any available transaction (update action to Non-SIM 1114 Record) stored on the SIM and outstanding file for future update purposes.

The object of a Non-SIM Availability Record display is to show the latest updated version of the Non-SIM 1114 Record and associated records. Therefore, the attempt is to be made to perform some updating of the Non-SIM 1114 Record with any Transaction Record. Basically, the transaction updates for which the program is concerned are those types which 1) post 1250 quantity issues from 1114 record quantity, 2) 1348-1 quantity receipts and listing Sub-NSN to 1114 record quantity and Sub-NSN data fields, 3) changes and deletes to particular data fields in the 1114 record, and 4) 1114 Non-SIM additions and deletions. Again, it is desired to provide an optional print listing upon operator command.

When there is a no match condition by Stock Number on the Non-SIM file, it is assumed that the item is a not carried item. A display message should be shown so indicating.

Section Two - 1348 Outstanding Order Status and History

The purpose of this section of the program is to allow selecting 1348 Outstanding Orders by document number for a review of a particular 1348 Order. Display instructions for keying document number and validate the keyed in number. Locate in the document number index on the file the required number and tape block position. A fast read to the indicated block number is desired and then display the entire 1348 Record and accompanying Status Messages. Provide a print listing option for the displayed records.

When there is no matching document number, an appropriate error message is displayed.

Finally, a proviso is necessary to allow the linking from this program to the other on-line programs.

PROGRAM-ID:	Candidate Reorder Program (CANRO)
Input:	Latest 1114 SIM and 1348 Outstanding Master File
Input:	Latest 1114 Non-SIM Master File
Output:	Candidate Reorder File
Output:	Printer - 1) SIM Reorder Candidates 2) Non-SIM Reorder Candidates 3) SIM Master File Listing 4) Non-SIM Master File Listing
Purpose:	To print listings for the supply department showing 1114 stock records or just those due for stock replenishment. To produce a tape of the reorder candidates.

PROCEDURE:

The user selects to print any of the four reports. The program accesses the outstanding requisitions and either the SIM or the Non-SIM stock battery records. If the user wants SIM items, then the Non-SIM Master File tape is not mounted. The program goes through the appropriate 1114 stock battery file and determines whether each item in the file is at reorder point. This is computed by comparing the present stock balance plus the quantities on order for stocks to the low limit. If low limit is reached, the amount necessary to bring the quantity on hand back up to high limit is computed. This is the suggested reorder quantity. The extended price of this reorder quantity is also computed. All of this information plus many of the stock battery record data fields are then printed. If reorder point is not reached, the record is printed only if the user is producing a report of the entire SIM or Non-SIM stock battery. The reorder candidates are also written onto the candidate tape. Candidate tape records are identical to the 1114 stock battery records for the items except that the quantity on hand is replaced by the reorder quantity.

PROGRAM-ID:	1348 Requisition Creation Program (ORDER)
Input:	Reformatted and Validated Data Entry Supply Records
Input:	Reorder Candidate Records
Input:	Keyboard - Order Information
Display Screen:	Operator Instructions
Output:	Supply Transaction Data Entry Records with 1348 Requisitions.
Purpose:	To automatically create 1348 orders for stock replenishment. Options will be incorporated to select various subsets of the candidates for automatic reorder (e.g., all, individually, by quantity, by unit price, by total price, etc.). The table of default values will be provided and will be user changeable. The program will also be used to create DTO, CASREPT, and SERVMART walk thru requisitions. A printed listing of each 1348 created will optionally be provided. The orders will be added to the daily data entry supply transaction records tape.

PROCEDURE:

The user can create all of his 1348 requisitions and requisition follow-ups with this program. Functionally, the orders are broken into stock replenishment of reorder candidates and all others (CASREPT, SERVMART walk thru, DTO, other stock replenishment, follow ups, etc.). The first time the user starts to use the candidate tape (reorder), the program directs him to mount it and then proceeds to verify the tape header. Document numbers are automatically incremented and inserted in the 1348's. A complete table of default values, one for each data field, is provided in the program. The user can access this table at any time in an operational session and can set data field defaults to other values for the remainder of the session.

The user is allowed to bounce back and forth between types of orders being produced. He can optionally print a hard copy of any requisition. The requisitions are placed on the daily transaction tape for system processing. The user can set selection criteria to aid in the final selection of reorder candidates. He can tell the system to display only certain of the possible reorders for visual review and reorder decisioning. The selection criteria will include 1) everything, 2) only those orders under a certain quantity (note: displacement or weight would be better), 3) items with a unit price within a variable range, 4) orders with an extended price within a variable range. The routine also will keep a running total price. The user will be able to set (optionally) an upper limit which will be compared against the total price.

The user can review his candidate tape as many times as he wants until he decides to terminate the selection. The output transaction tape is then closed. The program will need to keep track of the orders selected from the candidate tape. This can be accomplished by changing the reorder code in the selections on the candidate tape from "1" to "0".

PROGRAM - ID:	DATA ENTRY RE-FORMAT PROGRAM (DEREF)
INPUT:	VALIDATED DATA ENTRY SUPPLY RECORDS
DISPLAY	PROGRAM INSTRUCTIONS
OUTPUT:	Re-formatted and Validated Data Entry Supply Records
PURPOSE:	To re-align the data fields in each input record in order to provide the key elements of each record in a contiguous data string for sorting purposes. Re-align the input records, if several identical records are grouped in one 256 byte input block, to write one input record per each 128 byte output record block. Also the program will pack the indicated data fields within each output record thus establishing one output record per tape block.

PROCEDURE:

The program input tape (Validated Transaction Records) contains Header and Trailer blocks which are identified by system codes 80, first byte of header record and 81, first byte of trailer record. Each Header and Trailer block contains two 128 byte records. The first Header in the input tape always begins in block 020 usually followed by data records in block 022. On occasion, a Trailer will immediately follow the first or any Header block. For this situation, another Header usually occurs and then data records.

Block 000 of the input tape contains the tape label (identification) in bytes 8 and 9, this label is verified by the program. If the label is incorrect, an appropriate display message is written. It is also necessary to check block 000, bytes 26 and 27 to locate the position of the last Trailer block address. Due to the possibility of multiple Headers and Trailers with data records interspersed, knowledge of the last Trailer block address is mandatory to ascertain the position of any data records preceding the last Trailer. Following a Header block are data blocks containing from one to several of the same type data records. Each input data block is uniquely identified by an input system code (first byte of the data block). The input system codes are to be converted to DEAS update system codes. Listed on the following page are the names, number of characters, and input and output system codes for each data record.

RECORD NAME	NO. OF CHAR.	INPUT SYS. CD.	OUTPUT SYS. CD.
1114 Maintenance Update	88	Ø2	13
1114 Add New Record Update	96	Ø3	12
1114 Delete Record Update	18	Ø4	11
1114 Adjustments to Quantity	24	Ø5	14
1250 Issue Form	138	Ø6	4
1348 Order Form	176	Ø7	5
1348 Status Form (General or Undefined Status)	113	Ø8	7A
1348 Status Form (Regular)	114	Ø9	7B
1348 Status Form (Procurement)	113	ØA	7C
1348 Status Form (Shipping)	113	ØB	7D
1348-1 Receipt Form	95	ØC	8
1348 Status Card	82	ØD	7A

Each 256 byte record block (two - 128 byte blocks) contains one type of input record. As indicated previously, more than one or only one input record may be in a 256 byte input block. For instance, the 1114 Maintenance Update Record contains 88 characters (bytes), and it is possible for two unique 1114 Maintenance Records to be in one 256 byte input record block. However, it is also quite possible to have only one 1114 Maintenance Record in an input block. Whichever case applies (one or several records), 7F's are placed in each byte following the input record data to complete the 256 byte block. The coded 7F's simply indicate the end of a record in a block and not the end of the input transaction records.

After input record block is checked to determine the record type and number of records, the program is required to output each input record located as per the record layout in Appendix C. That is, each unique input record, whether 18 bytes or 176 bytes is written to one 128 byte output record block.

Additional output requirements will include:

1) Re-aligning the data fields used as sort keys;

2) Packing the data fields where indicated on the output record layouts;

3) Re-aligning Stock Number data field when Stock Number Type Code = 1, as indicated below:

NSC	NIIN	ADD'L	
4 bytes	9 bytes	2 bytes	changes to
NIIN	ADD'L	NSC	
9 bytes	2 bytes	4 bytes	

Also, an error message and record printout should occur when Stock Number Type Code = 1 and NSC, NIIN (of Stock Number) is not all numeric. This error record should not be outputed on tape.

4) Some record data fields will be simply re-aligned and outputed. Other records, such as record types 06 and 07 will be outputed with only those data fields that are necessary for updating the DEAS system and the non-essential data fields will be omitted in the output record.

5) 1348 Status Card input will be outputed as a 1348 Status Form (General) record format. Only like data fields will be moved from the 1348 Status Card to the 1348 Status Form output, other data fields on the 1348 Status Form output will be filled in with blanks.

PROGRAM-ID:	Daily Update Sort (SORT)
Input:	Reformatted and Validated Data Entry Supply Records
CRT:	Operational Instructions
Output:	Sorted Data Entry Supply Records
Purpose:	To sort the daily supply transactions.
Procedure:	The 3M system sort package is used with the following parameters:

Number of records per block	-	001
Record size	-	128
Beginning key position	-	000
Number of positions in key	-	023

PROGRAM - ID: Data Entry Sort Re-Format Program (DESTO)

INPUT: Sorted Data Entry Supply Records

OUTPUT: Re-Formatted and Sorted Data Entry Supply Records

PURPOSE: To re-align the sort key data fields and build the sorted records in a corresponding format to Master File Records. This will facilitate the File Update Program two ways;

1) faster update processing time, and
2) save core storage.

PROCEDURE:

The program is required to input the various record types on the Sorted Data Entry Supply Records Tape, see Appendix C for record layout. Each input record is uniquely identified and sequenced by Record Type Code, Stock Number Type Code, Stock Number, etc. (first 23 characters of each record).

An input tape may contain a variety of record types, several of one record type, and some record types may not be included during any one process run. The input tape also has a standard format directory block (Header) in Block 000. The input Header block contains binary code 01 06 in the Tape Usage Code (bytes 8 and 9). The program is required to verify the input tape Header block and an appropriate message is displayed if the input Header is invalid. The number of records contained on the input tape is indicated in bytes 25 - 26 (binary).

After each input record is identified, it is necessary to re-format the data fields within unique record types to correspond to the output record layouts in Attachment 2. Each record will be 128 characters in length. It is not necessary to pack data fields since all data fields are inputed in packed format. The output Header block contains binary code 01 08 in the Tape Usage Code, and the remaining Header information is copied from the input Header.

PROGRAM-ID: 1114 SIM and 1348 Outstanding File Update Program (FMSIM)

Input: Latest 1114 SIM and 1348 Outstanding Master File

Input: Re-Formatted and Sorted Data Entry Supply Records

Output: Updated 1114 SIM and 1348 Outstanding Master File

Output: Printer - Audit Trail List.

Purpose: To produce an updated 1114 SIM and 1348 Outstanding Master File which contains: 1) issues and receipts of stock items, 2) stock record data field updates, 3) adds and deletes of stock records, 1348 Requisition and Status records. Temporarily store 1114 NON-SIM transaction records for later updating to the 1114 NON-SIM Master File. Provide tables of stock numbers and document numbers in the beginning tape block locations of each Master File to give the tape block location of each 1114 SIM and 1348 Requisition record on each Master File. Tape block locations of each supply record will allow fast read access to any desired supply record. Print an Audit Trail detailing record changes to the Master File and listing possible errors which occur in the input Data Entry Supply records.

PROCEDURE:

The update proceeds in the following manner:

1) Verification is made that the correct tapes get mounted.

2) The actual file item updating is performed by reading sequentially through the stock numbers on the transaction file and the old master file. As the reading and comparing proceeds, the new master file is created and written onto tape and entries are printed on the SIM audit trail listing.

3) New indices are created for and written onto the front of the newly created master file.

The file is in sort by 1) stock number type code, 2) stock number, 3) document number (if applicable), and 4) Record Type Code. There are actually four different types of records on the master file:

- 1114 SIM Records (RTC = 1Ø)
- 1114 Non-SIM Transaction Records (RTC = 31-36)
- 1348 Requisitions (RTC = 5Ø)
- Status Messages (RTC = 7A-7D)

SIM and Non-SIM records are mutually exclusive within a stock number.

The update proceeds one stock number at a time. Input requisitions and status are simply added to the file. Actions affecting a stock number not on the old SIM file are stored on the new file as Non-SIM transactions until the Non-SIM file is updated. They are created as such by changing the first character of the record type code from 1 to 3. A SIM stock item add, delete, or non-quantity change transaction creates, deletes, or changes a master file 1114 record. Quantity is closely monitored during the update. All quantity changes must have a correct accompanying unit of issue. Quantity changes can be the result of one of three things. First, an LBI/GBI can be entered which will set a new quantity value. Second, any issue out of stock causes a decrementing of stock balance and an updating of demand history. Finally, a receipt will cause an incrementing of the stock balance along with a completion of the outstanding requisition. This causes the 1348 and all status messages pertaining to the 1348 to be deleted from the outstanding file. Partial shipments are also noted and handled by updating quantity and storing the receipt as a status message. Stock balances are checked against low limit as the updating proceeds.

The SIM audit trail listing consists of error diagnostics for invalid actions along with a listing of all valid transactions and the master file records resulting from their actions.

SIM Audit Trail Error Messages

Transaction Type	
1114 Deletion	• A not carried stock item cannot be deleted from the stock battery.
1114 Addition	• The stock item is already on file, item cannot be added. • Non-SIM actions are already on file, item cannot be added.
1114 Non-Quantity Change	• Maintenance action on a not carried item is not allowed.
1114 Quantity Change	• The unit of issue on this change does not agree with the 1114. • Maintenance action on a not carried item is not allowed.
1250 Issue	• The unit of issue on this change does not agree with the 1114.
1348 Order	• The unit of issue on this order does not agree with the 1114.
Status	• This order number is not on file.
Receipt	• This order number is not on file. • The unit of issue on the receipt did not match the order, it is stored as a status message. • Receipt is a partial shipment. • Receipt is a partial shipment, stored as a status message. • The unit of issue on this change does not agree with the 1114.
(Resultant 1114 Quantities)	• The quantity on hand in the following 1114 Record is less than zero. • The following 1114 stock number has reached low limit.

PROGRAM-ID:	1250 Issue Reformat Program (1250S)
Input:	Validated Transaction and Requisition Records
Output:	Reformatted 1250 Issue Records
Purpose:	To create a tape of all 1250's for transmittal. The 1250's are picked off the daily transaction tape and reformatted for communication via the ASR 33 program.

PROCEDURE:

Read the Validated Transaction Records and locate the 1250 Issue Header Record identified by "06" in the record type code. The input records have a 3MIP Standard Header in tape block 000 indicating the last block of transaction data written to the input tape. There may be more than one group of 1250's on the transaction tape.

Input the detail 1250 record. The idea is to omit in the output 1250 record those codes (data fields) which apply only to the DEAS system. Therefore the output record, see Appendix C, does not contain a header field or the stock number type code. The Reformatted 1250 Issue Records are to be transmitted utilizing the ASR 33 communications software package. Familiarization with this software is necessary.

PROGRAM-ID:	1348 Order Reformat Program (PRTCR)
Input:	Validated Transaction and Requisition Records
Output:	Reformatted 1348 Requisitions
Output:	Printer - CASREPT Messages
Purpose:	To create a tape of 1348's for transmittal. The 1348's are picked off the daily transaction tape and reformatted for communication via the ASR 33 program. At sea, CASREPT messages will be printed, instead of transmitted. For in port, walk through requisitions will be skipped by this program.

PROCEDURE:

Read the Validated Transaction and Requisition Records and locate the 1348 requisitions identified by "07" in the record type code. The input records have a 3MIP Standard Header in tape block 000 indicating the last block of transaction data written on the tape. There may be more than one group of 1348's on the transaction tape.

Input the detail 1348 record. The idea is to output 1348's in the same format as the manual requisitions. This means that DEAS data fields not on the manual form should be left out of the reformatted output records. Until the order creation program can be modified to print CASREPT's, they will be printed by this program. Walk throughs should be ignored. The Reformatted 1348 Requisitions are to be transmitted utilizing the ASR 33 communications software package. Familiarization with this software is necessary.

PROGRAM-ID:	Communications Program (ASR 33)
Input:	Reformatted 1250's for Transmittal
Input:	Reformatted 1348's for Transmittal
Output:	Printer - Communication's Listing
Purpose:	The ASR 33 program is a manufacturer's provided software package used to allow the 3MIP to act as an ASR 33 terminal.
Procedure:	The ASR 33 program is used to transmit 1250's and 1348's to the shore computer. It can also be used to receive status messages and other data from shore. It can also facilitate DEAS computer to DEAS computer communication.

PROGRAM-ID:	1348 Order and Status Re-Format Program (STATR)
Input:	1114 SIM and 1348 Outstanding Master File
Display Screen:	Operator instructions
Output:	Re-Formatted 1348 Orders and Status Records
Purpose:	To select all 1348 Order and Status Records from the 1114 SIM and 1348 Outstanding Master File. Also it is necessary to re-align the data fields selected as sort keys to provide an output record with a contiguous data string for sorting purposes.

PROCEDURE:

The program is required to input the 1114 SIM and 1348 Outstanding Master File and select each Record Type Code "5Ø (Ø = blank)", "7A", "7B", "7C" and "7D" (1348 Requisition and Status Records) for output. The Master File is in sequence by Stock Number Type Code, Stock Number, Document Number (Date and Serial Number) and Record Type Code, with one unique record per tape block. For each Stock Number it is possible to have multiple Record Type Codes "5Ø", "7A", "7B", "7C" and "7D", or it is possible to have no records with desired Record Type Codes.

The output records are written with the following data fields re-aligned at the beginning of each output record; 1) Work Center Code, 2) Document Number and 3) Record Type Code (See Appendix C).

Standard header checking and display messages are required by the program.

PROGRAM-ID:	Outstanding Status Listing Sort (SORT)
Input:	Reformatted 1348 Orders and Status Records
CRT:	Operational Instructions
Output:	Sorted 1348 Requisitions and Status Records
Purpose:	To sort the requisitions and status messages for the outstanding status listing.
Procedure:	The 3M system sort package is used with the following parameters:

Number of records per block - 001

Record size - 128

Beginning key position - 000

Number of positions in key - 012

PROGRAM-ID:	1348 Status Selection Program (PRINT)
Input:	Sorted 1348 Requisitions and Status Messages from the Outstanding File. (Work Center and document number sequence)
Display Screen:	Operator instructions and selection criteria.
Output:	Printed listings, which contain 1348 Requisitions and Status Messages selected for printing.
Purpose:	To list the latest 1348 Requisition and Status Message Records for order information on supplies. Options are provided to list all records, records by date, or by priority.

PROCEDURE:

The input sorted 1348 Requisition and Status Message Records are sequenced by Work Center Code, Document Number and Record Type Code data fields (see attached input file layout). The input tape contains all Outstanding Order Records with accompanying Status Record information. The program is to provide three options for the operator to select. A display frame is provided to allow the operator to visually see and choose that option which is desired by the operator.

The first option is designed to list to the printer all 1348 Requisitions and Status Message Records on the input file for each Work Center uniquely identified on the file. There may be none or several hundred 1348 Requisitions per Work Center with zero or many types of Status Messages per 1348 Requisition. Each 1348 Requisition is identified by a unique Document Number. The Status Message Record contains the same Document Number as the 1348 Requisition, plus an identifying Status Type Code character.

Print listing header information, and data field content for Status Messages is determined by the Status Type Code field. Print as many 1348 Requisitions and Status Messages on a page, as possible, while maintaining a neat readable listing. Each time Work Center Code changes, begin printing on a new page. See attached Print Chart for sample of output formated records.

The choice of option two is to allow the operator to select and print those 1348 Requisitions and Status Messages which need attention due to overdue dates. A choice of 30 or 60 day check is provided which means printing all 1348 Requisitions and Status Records 30 days or older and 60 days or older. The keyed in date is computed with date field from Document Number data field to provide the necessary records for printing.

The third option instructs the operator to key in priority code (01-15 acceptable) in order to print those 1348 Requisitions and Status Records with identical priority code. In all print options use the sample Print Chart for record layouts.

PROGRAM-ID:	1114 Non-SIM File Update Program (FMNSM)
Input:	Latest 1114 Non-SIM Master File
Input:	Latest 1114 SIM and 1348 Outstanding Master File
Output:	Updated 1114 Non-SIM Master File
Output:	Printer-Audit Trail List (Non-SIM)
Purpose:	To produce an updated 1114 Non-SIM Master File. Provide a table of stock numbers in the beginning tape block locations of each output tape to give the tape block location of every sixteenth 1114 Non-SIM record on the tape. Print an Audit Trail detailing changes to the Master File and listing possible errors which occur in the input transaction records. Create and store the table of the last stock number on each Non-SIM Master File tape for use by the Purge Program.

PROCEDURE:

The update proceeds in the following manner:

1) Verification is made that the correct tape gets mounted.

2) The actual file item updating is performed.

3) A new index is created for and written onto the front of the newly created master file.

The file is in sort by stock number type code and stock number. There is only one record type (1114 stock battery record) on this file.

Records on the Non-SIM file are updated using the Non-SIM transactions held on the SIM and Outstanding file. These transactions have a record type code of 31 to 36. The types of updating possible are addition of a new 1114, deletion of an 1114, non-quantity field changes, and three types of quantity changes. The quantity changes are a) setting a quantity to a specific amount (LBI/GBI), b) adding to quantity (receipt), and c) subtracting from quantity (issue). Quantity changes are not allowed unless the unit of issue on the transaction agrees with the unit of issue on the stock record. An attempted change or deletion of a record with a stock number not on the Non-SIM file is printed on the audit list as an attempt to address a not carried item or an error. If an item on the Non-SIM file is found as a stock record on the SIM file, it is deleted from the Non-SIM file. This makes it easy to change an item from Non-SIM to SIM; i.e., simply add it to the SIM file.

The Non-SIM audit trail listing consists of error diagnostics for invalid actions along with a listing of all valid transactions and the master file records resulting from them.

Non-SIM Audit Trail Error Messages

Record Type Code	Transaction Type	
31	1114 Deletion	• A not carried stock item cannot be deleted from the stock battery.
32	1114 Addition	• The stock item is already on file, item cannot be added.
33	1114 Non-Quantity Change	• Maintenance action on a not carried item is not allowed.
34	1114 Quantity Change	• The unit of issue on this change does not agree with the 1114. • Maintenance action on a not carried item is not allowed.
35	1250 Issue	• The unit of issue on this change does not agree with the 1114. • Maintenance action on a not carried item is not allowed.
36	Receipt	• Maintenance action on a not carried item is not allowed. • The unit of issue on this change does not agree with the 1114.
	(Other)	• The quantity on hand in the following 1114 is less than zero. • The following 1114 stock number has reached low limit. • Non-SIM stock item changed to SIM, action ØK.

PROGRAM - ID: 1114 NON-SIM PURGE PROGRAM (PURGE)

INPUT: 1114 SIM and 1348 Outstanding Master File with 1114 NON-SIM Update Supply Records.

OUTPUT: 1114 SIM and 1348 Outstanding Master File, same as input (without 1114 NON-SIM Update Records).

PURPOSE: To delete all 1114 NON-SIM Update (transaction) Supply Records from the 1114 SIM and 1348 Outstanding Master File. Update all record block indexes on the output Master File.

PROCEDURE:

The input 1114 SIM and 1348 Outstanding Master File contains 1114 NON-SIM Update (transaction) Records which have a "3" in the first character of the Record Type Code data field. The transaction records were processed as update actions to the 1114 Non-Sim Master File. The program is required to purge all transaction records from the input Master File.

1114 SIM and 1348 Outstanding Master File is in sequence by Stock Number with at least one and possibly several records containing identifying Record Type Codes 1, 3, 5 and 7 (first character) with unique Stock Number. Also, it is possible to have several identical Record Type Codes with the same Stock Number.

Input records from the 1114 SIM and 1348 Outstanding File are checked for a "3" in Record Type Code. All records are written to the output file until *Record Type Code* "3" is encountered, whereas these records are not written to the output file.

The output 1114 SIM and 1348 Outstanding File contains updated index tables reflecting the exact block locations of all 1114 SIM Records, 1114 NON-SIM Records and 1348 Requisitions.

PROGRAM-ID:	Maintenance Transaction Reformat Program (MAREF)
Input:	Validated Maintenance Transaction Records
Input:	Reformatted 1348 Orders and Status Records
Display Screen:	Operator Instructions
Output:	Reformatted Maintenance Transactions
Purpose:	To reformat the on-line maintenance transactions (1250, 2-KILO, Completion) for the Maintenance Master File update program. In addition, outstanding requisitions will be picked off of the supply master file. This routine will (upon completion) pass automatically to the SORT program.

PROCEDURE:

Input the daily transaction tape of maintenance actions. Pick off the maintenance transactions, reformat them, and write them out onto the reformatted output file. The transaction tape will be a 3M DEGEN data tape, so the header block (block 000) will indicate the last block of data on the tape (see 3M Utility Reference Manual). All DEGEN data tapes start the data in block 020. The individual DEGEN record types will be:

Record Type	Binary Input Code	Unpacked Output Code
Completions	02	2
2-KILO's	03	3
1250's	04	4

Record type codes will be set as above.

For now, 1348's will be picked off the outstanding file. Their record type codes are already set at 5. The order records are picked off the file using the STATR program and then placed on the end of the reformatted maintenance tape by this program. The user may optionally decide not to use the STATR output. At the end of the program display the sort routine input parameters to refresh the operator's memory and then pass to the sort.

PROGRAM-ID: Maintenance Update Sort (SORT)

Input: Reformatted Maintenance Transaction Records

CRT: Operational Instructions

Output: Sorted Maintenance Update Transaction Records

Purpose: To sort the maintenance transactions.

Procedure: The 3M system sort package is used with the following parameters:

Number of records per block	-	001
Record size	-	128
Beginning key position	-	000
Number of positions in key	-	009

PROGRAM-ID:	Maintenance Master File Update Program (CSMP)
Input:	Sorted Maintenance Transactions
Input:	Old Maintenance Master File
Display Screen:	Operator Instructions
Output:	New Maintenance Master File
Output:	Printer - Local Ship's CSMP with Supply Record Report - CSMP Completion Report
Purpose:	To produce an updated Maintenance Master File. To produce a local ship's CSMP Version B with supply records included. A Completion Report will also be produced.

PROCEDURE:

This program is reached by typing "CSMPØ" into the sort routine after the reformatted maintenance transactions have been sorted. The files are in sort by work center code, job serial number, and record type code. The record type codes used are:

Completion (transaction tape only) -	2
2-KILO Maintenance Actions	3
1250's	4
1348 Requisitions	5

Step one of the routine will be to pass the transactions against the old master file and output a new master file. During this update processing, a completion report, detailing all records in completed actions, will be printed. Completed actions will not be written to the new master file.

Step two of the routine will be to rewind the new maintenance master file and then print out the local CSMP detailing all maintenance actions with associated 1250's and 1348's. The user will be able to determine a 1348's status by using the Outstanding Status Listing produced by PRINT. Design the program so that the possibility of printing only certain work center codes and the possibility of multiple print passes can be incorporated if so desired.

APPENDIX C

TAPE FILE DESCRIPTIONS

FILE TO PROGRAM LIST

FILES	PROGRAMS-ACTION
1. Validated Data Entry Supply File	DATA ENTRY - OUTPUT ORDER - MODIFIED DEREF - INPUT 1250S - INPUT PRTCR - INPUT
2. Reformatted and Validated Data Entry Supply File	DEREF - OUTPUT SORT (#1) - SORTED DESTO - INPUT
3. Realigned, Sorted Data Entry Supply File	DESTO - OUTPUT FMSIM - INPUT
4. 1114 SIM and 1348 Outstanding Master File	FMSIM - UPDATED PURGE - MODIFIED AVAIL - INPUT CANRO - INPUT STATR - INPUT FMNSM - INPUT
5. 1114 Non-SIM Master File	FMNSM - UPDATED AVAIL - INPUT CANRO - INPUT
6. Candidate Reorder File	CANRO - OUTPUT ORDER - INPUT
7. Reformatted 1250 Issue File	1250S - OUTPUT ASR33 - INPUT
8. Reformatted 1348 Requisition File	PRTCR - OUTPUT ASR33 - INPUT

FILE TO PROGRAM LIST (Cont.)

FILES	PROGRAMS-ACTION
9. Reformatted 1348 Orders and Status File	STATR - OUTPUT SORT (#2) - SORTED PRINT - INPUT MAREF - INPUT
10. Validated Data Entry Maintenance File	DATA ENTRY - OUTPUT MAREF - INPUT
11. Reformatted Maintenance Transaction File	MAREF - OUTPUT SORT (#3) - SORTED CSMP - INPUT
12. Maintenance Master File	CSMP - UPDATED

VALIDATED DATA ENTRY

SUPPLY FILE

(Tape Usage Code - 3B28)

EDITED 1114 UPDATE (MAINTENANCE) RECORD

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2" or "3"
Stock Number	15	Alpha-Numeric
Allowance Type Code	1	Numeric
Security Code	1	Alpha
Local Managmeent Code	2	Alpha-Numeric
Cog. Symbol	2	Alpha-Numeric
Material Control Code	1	Alpha
Unit of Issue	2	Alpha
Unit Price	7	Numeric
Primary Location	5	Alpha-Numeric
Secondary Location	5	Alpha-Numeric
High Limit	6	Numeric
Low Limit	6	Numeric
Allowance Quantity	6	Numeric
Sub-stock Type Code	1	"1", "2" or "3"
Sub-Stock Number	15	Alpha- Numeric
Description	10	Alpha-Numeric
Print Verify Code	1	Blank

EDITED 1114 UPDATE (ADD & NEW RECORD)

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2" or "3"
Stock Number	15	Alpha-Numeric
SIM Code	1	Alpha
Non-SIM Code	1	Alpha
Allowance Type Code	1	Numeric
Security Code	1	Alpha
Local Management Code	2	Alpha-Numeric
Cog. Symbol	2	Alpha-Numeric
Material Control Code	1	Alpha
Unit of Issue	2	Alpha
Quantity-on-Hand	6	Numeric
Unit Price	7	Numeric
Primary Location	5	Alpha-Numeric
Secondary Location	5	Alpha-Numeric
High Limit	6	Numeric
Low Limit	6	Numeric
Allowance Quantity	6	Numeric
Sub-Stock Type Code	1	"1", "2" or "3"
Sub-Stock Number	15	Alpha-Numeric
Description	10	Alpha-Numeric
Print Verify Code	1	Blank

EDITED 1114 UPDATE (DELETE RECORD)

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2" or "3"
Stock Number	15	Alpha-Numeric
Print Verify Code	1	Blank

EDITED 1114 UPDATE (QUANTITY ADJUSTMENT RECORD)

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2" "3"
Stock Number	15	Alpha-Numeric
Quantity to Adjust	6	Numeric
Print Verify Code	1	Blank

EDITED 1250 ISSUE RECORD

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2" or "3"
Material Request Date	4	Numeric
Department Number	5	Alpha-Numeric
Issue	1	Alpha
Turn-In	1	Alpha
Usage	1	Alpha
Fill (Fleet Issue Load List)	1	Alpha
Mart (Serv-Mart)	1	Alpha
Location 1	1	Alpha
Location 2	4	Numeric
Requisition Quantity	5	Numeric
Requisition Number	4	Alpha-Numeric
Material Issue Date	4	Numeric
Required Delivery Date	4	Numeric
Urgency	1	Alpha
Not-In-Stock	1	Alpha
Not-Carried	1	Alpha
SIM	1	Alpha
NON-SIM	1	Alpha
Inventory (if NON-SIM)	5	Numeric
Project Code	3	Alpha Numeric
Source Code	1	Alpha
Cog. 1	1	Numeric
Cog. 2	1	Alpha

DATA NAME	NO. OF CHAR	DESCRIPTION
Stock Number	15	Alpha Numeric
Description	10	Alpha Numeric
Unit of Issue	2	Alpha
Quantity	5	Numeric
Unit Price 1	5	Numeric
Unit Price 2	2	Numeric
Work Code 1	2	Alpha
Work Code 2	2	Numeric
Job Sequence No. 1	1	Alpha
Job Sequence No. 2	3	Numeric
Equipment Identification Code	7	Alpha-Numeric
Allowance Parts List/Allowance Equipage List	11	Alpha-Numeric
Fund Code	2	Alpha-Numeric
Cosal Supported - yes	1	Alpha
Cosal Supported - no	1	Alpha
Remarks	14	Alpha-Numeric
Print Verify Code	1	Blank

AD-A031 610 DAVID W TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT CE--ETC F/G 9/2
DATA ENTRY ABOARD SHIP - DEAS BREADBOARD SYSTEM DOCUMENTATION.(U)
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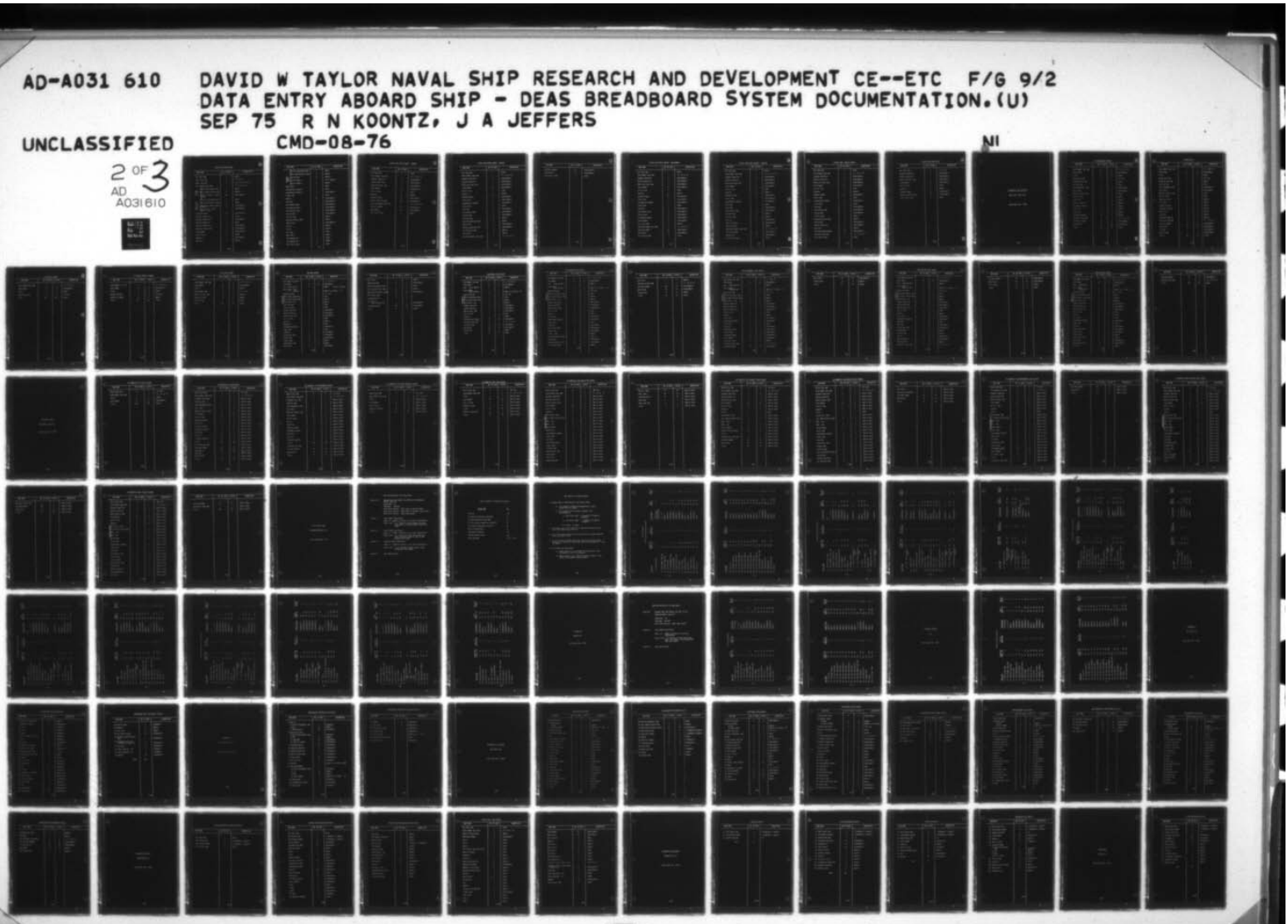


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EDITED 1348 ORDER RECORD

DATA NAME		NO. OF CHAR	DESCRIPTION
Key Input Code		1	Blank
Carry Type Code		1	"N", or "C"
Order Type Code		1	"C", "D", "S" or "W"
Stock Number Type Code		1	"1", "2" or "3"
Send to Data	Service Designator Code	1	Alpha
	Unit Identification Code	5	Numeric
	Name & Location - Supply Source	18	Alpha-Numeric
Requisition from Data	Service Designator Code	1	Alpha
	Unit Identification Code	5	Numeric
	Ship Name -Supply Requisitioner	13	Alpha-Numeric
	Ship Hull # - Supply Requisitioner	7	Alpha-Numeric
Item Description		10	Alpha-Numeric
Document Identifier 1		1	Alpha
Document Identifier 2		2	Alpha-Numeric
Routing Identifier 1		1	Alpha
Reouting Identifier 2		2	Alpha-Numeric
Media and Status Code		1	Alpha-Numeric
Stock Number		15	Alpha-Numeric
Unit of Issue		2	Alpha
Quantity 1		1	Alpha-Numeric
Quantity 2		4	Numeric

DATA NAME	NO. OF CHAR	DESCRIPTION
Document Number: Service Designator Code	1	Alpha
Document Number: Unit Identification Code	5	Numeric
Document Number: Julian Date	4	Numeric
Document Number: Serial Number 1	1	"W" or Numeric
Document Number: Serial Number 2	3	Numeric
Demand Code	1	Alpha
Supplementary Address 1	1	Alpha
Supplementary Address 2	5	Alpha-Numeric
Signal Code	1	Alpha
Remarks	30	Alpha-Numeric
Fund Code	2	Alpha-Numeric
Distribution Code 1	1	Alpha-Numeric
Distribution Code 2	1	Alpha-Numeric
Distribution Code 3	1	Alpha-Numeric
Project Code	3	Alpha-Numeric
Priority Code	2	Numeric
Required Delivery Date	3	Numeric
Advice Code	2	Alpha-Numeric
Price 1	5	Numeric
Price 2	2	Numeric
Work Code 1	2	Alpha
Work Code 2	2	Numeric
Job Sequence No. 1	1	Alpha
Job Sequence No. 2	3	Numeric
Print Verify Code	1	Blank

EDITED 1348 STATUS RECORD - GENERAL

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2" or "3"
Document Identifier	3	Alpha-Numeric
Routing Identifier	3	Alpha-Numeric
Media and Status Code	1	Alpha-Numeric
Stock Number	15	Alpha-Numeric
Unit of Issue	2	Alpha
Quantity	5	Numeric
Document Number	14	Alpha-Numeric
General Status Message	37	Alpha-Numeric
Sub-Stock Number Type Code	1	"1", "2", or "3"
Sub-Stock Number	15	Alpha-Numeric
Description	10	Alpha-Numeric
Print Verify Code	1	Blank

EDITED 1348 STATUS RECORD - REGULAR

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2" or "3"
Document Identifier	3	Alpha-Numeric
Routing Identifier	3	Alpha-Numeric
Media and Status Code	1	Alpha-Numeric
Stock Number	15	Alpha-Numeric
Unit of Issue	2	Alpha
Quantity	5	Numeric
Document Number	14	Alpha-Numeric
Suffix Code	1	Alpha-Numeric
Supplementary Address	6	Alpha-Numeric
Signal Code	1	Alpha
Fund Code	2	Alpha-Numeric
Distribution Code	3	Alpha-Numeric
Project Code	3	Alpha-Numeric
Priority Code	2	Numeric
Ship/Trans/Delivery Date	4	Numeric
Status Code	2	Alpha-Numeric
Routing Identifier (TO)	3	Alpha-Numeric
Est. Delivery Date	4	Numeric
Unit Price	7	Numeric
Sub-Stock Number Type Code	1	"1", "2" or "3"

DATA NAME	NO. OF CHAR	DESCRIPTION
Sub-Stock Number	15	Alpha-Numeric
Description	10	Alpha-Numeric
Print Verify Code	1	Blank

EDITED 1348 STATUS RECORD - PROCUREMENT

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2" or "3"
Document Identifier	3	Alpha-Numeric
Routing Identifier	3	Alpha-Numeric
Media and Status Code	1	Alpha-Numeric
Stock Number	15	Alpha-Numeric
Unit of Issue	2	Alpha
Quantity	5	Numeric
Document Number	14	Alpha-Numeric
Suffix Code	1	Alpha-Numeric
Supplementary Address	6	Alpha-Numeric
Signal Code	1	Alpha
Fund Code	2	Alpha-Numeric
Distribution Code	3	Alpha-Numeric
Project Code	3	Alpha-Numeric
Procurement Number	13	Alpha-Numeric
Serial Number	4	Alpha-Numeric
Est. Avail Date	4	Numeric
Sub-Stock Number Type Code	1	"1", "2" or "3"
Sub-Stock Number	15	Alpha-Numeric
Description	10	Alpha-Numeric
Print Verify Code	1	Blank

EDITED 1348 STATUS RECORD - SHIPPING

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2", or "3"
Document Identifier	3	Alpha-Numeric
Routing Identifier	3	Alpha-Numeric
Media and Status Code	1	Alpha-Numeric
Stock Number	15	Alpha-Numeric
Unit of Issue	2	Alpha
Quantity	5	Numeric
Document Number	14	Alpha-Numeric
Suffix Code	1	Alpha-Numeric
Supplementary Address	6	Alpha-Numeric
Hold Code	1	Alpha
Fund Code	2	Alpha-Numeric
Distribution Code	3	Alpha-Numeric
Shipment Date	3	Numeric
Priority Code	2	Numeric
TCN, etc.	15	Alpha-Numeric
Mode of Shipment	1	Alpha-Numeric
Date Avail/POE	3	Numeric
Subj-Stock Number Type Code	1	"1", "2" or "3"
Sub-Stock Number	15	Alpha-Numeric
Description	10	Alpha-Numeric
Print Verify Code	1	Blank

EDITED 1348-1 RECEIPT RECORD

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2" or "3"
Document Identifier	3	Alpha-Numeric
Routing Identifier	3	Alpha-Numeric
Media and Status Code	1	Alpha-Numeric
Stock Number	15	Alpha-Numeric
Unit of Issue	2	Alpha
Quantity	5	Numeric
Document Number	14	Alpha-Numeric
Suffix Code	1	Alpha
Supplementary Address	6	Alpha-Numeric
Signal Code	1	Alpha
Fund Code	2	Alpha-Numeric
Distribution Code	3	Alpha-Numeric
Project Code	3	Alpha-Numeric
Priority Code	2	Numeric
Required Delivery Date	3	Numeric
Advice Code	2	Alpha-Numeric
Routing Identifier	3	Alpha-Numeric
Unit Price	7	Numeric
Substitute Stock Number	15	Alpha-Numeric
Sub-Stock Type Code	1	"1", "2" or "3"
Print Verify Code	1	Blank

EDITED 1348 STATUS CARD

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	"C" or "A"
Document Identifier	3	Alpha-Numeric
Routing Identifier	3	Alpha-Numeric
Media and Status Code	1	Alpha-Numeric
Stock Number	15	Alpha-Numeric
Unit of Issue	2	Alpha
Quantity	5	Numeric
Document Number	14	Alpha-Numeric
General Status Message	37	Alpha-Numeric
Print Verify Code	1	Blank

REFORMATTED AND VALIDATED

DATA ENTRY SUPPLY FILE

(Tape Usage Code - 0106)

1114 MAINTENANCE RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2" or "3"
Stock Number	15	15	Alpha-Numeric
Filler	5	5	Blanks
Record Type Code	2	2	"13" only
Allowance Type Code	1	1	Numeric
Security Code	1	1	Alpha
Local Management Code	2	2	Alpha-Numeric
Cog. Symbol	2	2	Alpha-Numeric
Material Control Code	1	1	Alpha
Unit of Issue	2	2	Alpha
Unit Price	7	4	Numeric
Primary Location	5	5	Numeric
Secondary Location	5	5	Numeric
High Limit	6	4	Numeric
Low Limit	6	4	Numeric
Allowance Quantity	6	4	Numeric
Sub-Stock Type Code	1	1	"1", "2" or "3"
Sub-Stock Number	15	15	Alpha-Numeric
Description	10	10	Alpha-Numeric
Filler	44	44	Blanks

1114 ADD RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2"or "3"
Stock Number	15	15	Alpha-Numeric
Filler	5	5	Blanks
Record Type Code	2	2	"12" only
Allowance Type Code	1	1	Numeric
Security Code	1	1	Alpha
Local Management Code	2	2	Alpha-Numeric
Cog. Symbol	2	2	Alpha-Numeric
Material Control Code	1	1	Alpha
Unit of Issue	2	2	Alpha
Quantity on Hand	6	4	Numeric
Unit Price	7	4	Numeric
Primary Location	5	5	Numeric
Secondary Location	5	5	Numeric
High Limit	6	4	Numeric
Low Limit	6	4	Numeric
Allowance Quantity	6	4	Numeric
Sub-Stock Type Code	1	1	"1", "2" or "3"
Sub-Stock Number	15	15	Alpha-Numeric
Description	10	10	Alpha-Numeric
Sim Code	1	1	Alpha-Numeric
Non-Sim Code	1	1	Alpha-Numeric
Filler	38	38	Blanks

1114 DELETE RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2"or "3"
Stock Number	15	15	Alpha-Numeric
Filler	5	5	Blanks
Record Type Code	2	2	"11"only
Filler	105	105	Blanks

1114 ADJUST QUANTITY RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2"or "3"
Stock Number	15	15	Alpha-Numeric
Filler	5	5	Blanks
Record Type Code	2	2	"14" only
Quantity to Adjust	6	4	Numeric
Filler	101	101	Blanks

1250 ISSUE RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2" or "3"
Stock Number	15	15	Alpha-Numeric
Filler	5	5	Blanks
Record Type Code	2	2	"4 " only
Material Issue Date	4	3	Numeric
Quantity Issued	5	4	Numeric
Unit of Issue	2	2	Alpha
Filler	96	96	Blanks

1348 ORDER RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2" or "3"
Stock Number	15	15	Alpha-Numeric
Year (From: Doc.No.)	1	1	Numeric 1st Char. Jul.Date
Serial Number (From: Doc.No.)	4	4	Numeric or 1st Char. = "W"
Record Type Code	2	2	"5 " only
FROM:DOC.NO. Service Designator Code	1	1	Alpha
FROM:DOC.NO. Unit Identification Code	5	3	Numeric
FROM:DOC.NO. Julian Date - Day	3	2	Numeric
Carry Type Code	1	1	Alpha
Order Type Code	1	1	Alpha
Document Identifier	3	3	Alpha-Numeric
Routing Identifier	3	3	Alpha-Numeric
Media & Status Code	1	1	Alpha-Numeric
Unit of Issue	2	2	Alpha
Quantity	5	4	Numeric
Demand Code	1	1	Alpha
Supplementary Address	6	6	Alpha-Numeric
Signal Code	1	1	Alpha
Fund Code	2	2	Alpha-Numeric
Distribution Code	3	3	Alpha-Numeric
Project Code	3	3	Alpha-Numeric
Priority Code	2	2	Numeric
Required Del. Date	3	3	Numeric
Advice Code	2	2	Alpha-Numeric

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Unit Price	7	4	Numeric
Requesting Dept.	2	2	Alpha-Numeric
Service Designator Code	1	1	Alpha
Unit Identification Code	5	3	Numeric
Name/Location-Supply Source	18	18	Alpha-Numeric
Work Center Code	4	4	
Job Sequence No.	4	4	
Ship Hull # - Supply Requisition	7	7	Alpha-Numeric
Item Description	10	10	Alpha-Numeric
Filler	8	8	Blanks

1348 GENERAL STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2" or "3"
Stock Number	15	15	Alpha-Numeric
Year (From: DOC.NO.)	1	1	Numeric
Serial Number (From: DOC.NO.)	4	4	Numeric or 1st Char. ="W"
Record Type Code	2	2	"7A" only
FROM:DOC.NO. Service Designator Code	1	1	Alpha
FROM:DOC.NO. Unit Identification Code	5	3	Numeric
FROM:DOC.NO. Julian Date - Day	3	2	Numeric
Document Identifier	3	3	Alpha-Numeric
Routing Identifier	3	3	Alpha-Numeric
Media & Status Code	1	1	Alpha-Numeric
Unit of Issue	2	2	Alpha
Quantity	5	3	Numeric
General Status Message	37	37	Alpha-Numeric
Sub-Stock # Type Code	1	1	"1", "2" or "3"
Sub-Stock Number	15	15	Alpha-Numeric
Description	10	10	Alpha-Numeric
Process Date	4	3	Numeric
Filler	21	21	Blanks

1348 REGULAR STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2" or "3"
Stock Number	15	15	Alpha-Numeric
Year (From: Doc.No.)	1	1	Numeric
Serial Number (From: Doc.No.)	4	4	Numeric or 1st Char. = "W"
Record Type Code	2	2	"7B" only
FROM:DOC.NO. { Service Designator Code	1	1	Alpha
FROM:DOC.NO. { Unit Identification Code	5	3	Numeric
FROM:DOC.NO. { Julian Date - Day	3	2	Numeric
Document Identifier	3	3	Alpha-Numeric
Routing Identifier	3	3	Alpha-Numeric
Media & Status Code	1	1	Alpha-Numeric
Unit of Issue	2	2	Alpha
Quantity	5	3	Numeric
Suffix Code	1	1	Alpha-Numeric
Supplementary Address	6	6	Alpha-Numeric
Signal Code	1	1	Alpha
Fund Code	2	2	Alpha-Numeric
Distribution Code	3	3	Alpha-Numeric
Project Code	3	3	Alpha-Numeric
Priority Code	2	2	Numeric
Ship/Trans/Delivery Date	4	4	Numeric
Status Code	2	2	Alpha-Numeric
Routing Identifier (TO)	3	3	Alpha-Numeric
Est. Delivery Date	4	4	Numeric

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Unit Price	7	7	Numeric
Sub-Stock # Type Code	1	1	"1", "2" or "3"
Sub-Stock Number	15	15	Alpha-Numeric
Description	10	10	Alpha-Numeric
Process Date	4	3	Numeric
Filler	20	20	Blanks

1348 PROCUREMENT STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2"or "3"
Stock Number	15	15	Alpha-Numeric
Year (FROM: DOC.NO.)	1	1	Numeric
Serial Number (FROM:DOC.NO.)	4	4	Numeric or 1st Char. = "W"
Record Type Code	2	2	"7C" only
FROM:DOC.NO. { Service Designator Code	1	1	Alpha
FROM:DOC.NO. { Unit Identification Code	5	3	Numeric
FROM:DOC.NO. { Julian Date - Day	3	2	Numeric
Document Identifier	3	3	Alpha-Numeric
Routing Identifier	3	3	Alpha-Numeric
Media & Status Code	1	1	Alpha-Numeric
Unit of Issue	2	2	Alpha
Quantity	5	3	Numeric
Suffix Code	1	1	Alpha-Numeric
Supplementary Address	6	6	Alpha-Numeric
Signal Code	1	1	Alpha
Fund Code	2	2	Alpha-Numeric
Distribution Code	3	3	Alpha-Numeric
Project Code	3	3	Alpha-Numeric
Procurement Number	13	13	Alpha-Numeric
Serial Number	4	4	Alpha-Numeric
Est. Avail. Date	4	4	Numeric
Sub-Stock # Type Code	1	1	"1", "2" or "3"
Sub-Stock Number	15	15	Alpha-Numeric

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Description	10	10	Alpha-Numeric
Process Date	4	3	Numeric
Filler	21	21	Blanks

1348 SHIPPING STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2" or "3"
Stock Number	15	15	Alpha-Numeric
Year (FROM: DOC.NO.)	1	1	Numeric
Serial Number (FROM: DOC.NO.)	4	4	Numeric or 1st Char. = "W"
Record Type Code	2	2	"7D" only
FROM:DOC.NO. { Service Designator Code	1	1	Alpha
FROM:DOC.NO. { Unit Identification Code	5	3	Numeric
FROM:DOC.NO. { Julian Date - Day	3	2	Numeric
Document Identifier	3	3	Alpha-Numeric
Routing Identifier	3	3	Alpha-Numeric
Media & Status Code	1	1	Alpha-Numeric
Unit of Issue	2	2	Alpha
Quantity	5	3	Numeric
Suffix Code	1	1	Alpha-Numeric
Supplementary Address	6	6	Alpha-Numeric
Hold Code	1	1	Alpha
Fund Code	2	2	Alpha-Numeric
Distribution Code	3	3	Alpha-Numeric
Shipment Date	3	3	Numeric
Priority Code	2	2	Numeric
TCN, etc.	15	15	Alpha-Numeric
Mode of Shipment	1	1	Alpha-Numeric
Date Avail/POE	3	3	Numeric
Sub-Stock # Type Code	1	1	"1", "2" or "3"

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Sub-Stock Number	15	15	Alpha-Numeric
Description	10	10	Alpha-Numeric
Process Date	4	3	Numeric
Filler	21	21	Blanks

1348-1 RECEIPT RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Stock Number Type Code	1	1	"1", "2" or "3"
Stock Number	15	15	Alpha-Numeric
Year (FROM:DOC.NO.)	1	1	Numeric
Serial Number (FROM:DOC.NO.)	4	4	Numeric or 1st Char. = "W"
Record Type Code	2	2	"8 " only
FROM:DCC.NO. Service Designator Code	1	1	Alpha
FROM:DCC.NO. Unit Identification Code	5	3	Numeric
FROM:DCC.NO. Julian Date - Day	3	2	Numeric
Document Identifier	3	3	Alpha-Numeric
Routing Identifier	3	3	Alpha-Numeric
Media & Status Code	1	1	Alpah-Numeric
Unit of Issue	2	2	Alpha
Quantity	5	4	Numeric
Suffix Code	1	1	Alpha
Supplementary Address	6	6	Alpha-Numeric
Signal Code	1	1	Alpha
Fund Code	2	2	Alpha-Numeric
Distribution Code	3	3	Alpha-Numeric
Project Code	3	3	Alpha-Numeric
Priority Code	2	2	Numeric
Required Del. Date	3	3	Numeric
Advice Code	2	2	Alpha-Numeric
Routing Identifier	3	3	Alpha-Numeric
Unit Price	7	4	Numeric

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Sub-Stock Number	15	15	Alpha-Numeric
Sub-Stock Type Code	1	1	"1", "2", or "3"
Filler	40	40	Blanks

REALIGNED, SORTED

DATA ENTRY SUPPLY FILE

(Tape Usage Code - 0108)

RE-FORMATTED 1114 DELETE RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"11" only
Stock Number Type Code	1	1	"1", "2", or "3"
Filler	7	7	Blanks
Stock Number	15	15	Alpha-Numeric
Filler	103	103	Blanks

RE-FORMATTED 1114 ADD RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"12" only
Stock Number Type Code	1	1	"1", "2" or "3"
Allowance Type Code	1	1	Same as Input
Security Code	1	1	Same as Input
Local Management Code	2	2	Same as Input
Cog. Symbol	2	2	Same as Input
Material Control Code	1	1	Same as Input
Stock Number	15	15	Same as Input
Unit of Issue	2	2	Same as Input
Quantity-on-Hand	6	4	Same as Input
Unit Price	7	4	Same as Input
Primary Location	5	5	Same as Input
Secondary Location	5	5	Same as Input
High Limit	6	4	Same as Input
Low Limit	6	4	Same as Input
Allowance Quantity	6	4	Same as Input
Filler	28	28	Same as Input
Sub-Stock Type Code	1	1	Same as Input
Sub-Stock Number	15	15	Same as Input
Description	10	10	Same as Input
Sim Code	1	1	Same as Input
Non-Sim Code	1	1	Same as Input
Filler	15	15	Same as Input

RE-FORMATTED 1114 MAINTENANCE RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"13" only
Stock Number Type Code	1	1	"1", "2" or "3"
Allowance Type Code	1	1	Same as Input
Security Code	1	1	Same as Input
Local Management Code	2	2	Same as Input
Cog Symbol	2	2	Same as Input
Material Control Code	1	1	Same as Input
Stock Number	15	15	Same as Input
Unit of Issue	2	2	Same as Input
Filler	4	4	Same as Input
Unit Price	7	4	Same as Input
Primary Location	5	5	Same as Input
Secondary Location	5	5	Same as Input
High Limit	6	4	Same as Input
Low Limit	6	4	Same as Input
Allowance Quantity	6	4	Same as Input
Filler	28	28	Same as Input
Sub-Stock Type Code	1	1	Same as Input
Sub-Stock Number	15	15	Same as Input
Description	10	10	Same as Input
Filler	17	17	Same as Input

RE-FORMATTED 1114 ADJUST QUANTITY RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"14" only
Stock Number Type Code	1	1	"1", "2" or "3"
Filler	7	7	Same as Input
Stock Number	15	15	Same as Input
Unit of Issue	2	2	Same as Input
Quantity to Adjust	6	4	Same as Input
Filler	97	97	Same as Input

RE-FORMATTED 1250 ISSUE RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"4Ø" only
Stock Number Type Code	1	1	"1", "2", or "3"
Filler	7	7	Same as Input
Stock Number	15	15	Same as Input
Unit of Issue	2	2	Same as Input
Quantity Issued	5	4	Same as Input
Filler	24	24	Same as Input
Material Issue Date	4	3	Same as Input
Filler	70	70	Same as Input

RE-FORMATTED 1348 REQUISITION RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"5Ø" only
Stock Number Type Code	1	1	"1", "2" or "3"
Document Identifier	3	3	Same as Input
Routing Identifier	3	3	Same as Input
Media & Status Code	1	1	Same as Input
Stock Number	15	15	Same as Input
Unit of Issue	2	2	Same as Input
Quantity	6	4	Same as Input
DOCUMENT NUMBER: Service Des. Code	1	1	Same as Input
DOCUMENT NUMBER: Unit Identification Code	5	3	Same as Input
DOCUMENT NUMBER: Date - year	1	1	Same as Input
DOCUMENT NUMBER: Date - Day	3	2	Same as Input
DOCUMENT NUMBER: Serial Number	4	4	Same as Input
Demand Code	1	1	Same as Input
Supplementary Address	6	6	Same as Input
Signal Code	1	1	Same as Input
Fund Code	2	2	Same as Input
Distribution Code	3	3	Same as Input
Project Code	3	3	Same as Input
Priority Code	2	2	Same as Input
Required Del. Date	3	3	Same as Input
Advice Code	2	2	Same as Input
Unit Price	7	4	Same as Input
Requesting Dept.	2	2	Same as Input

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Send to: Data	24	22	Same as Input
From: Data	18	18	Same as Input
Item Description	10	10	Same as Input
Carry Code	1	1	Same as Input
Order Type Code	1	1	Same as Input
Filler	5	5	Same as Input

RE-FORMATTED 1348 GENERAL STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"7A" only
Stock Number Type Code	1	1	"1", "2" or "3"
Document Identifier	3	3	Same as Input
Routing Identifier	3	3	Same as Input
Media & Status Code	1	1	Same as Input
Stock Number	15	15	Same as Input
Unit of Issue	2	2	Same as Input
Quantity	5	3	Same as Input
Filler	1	1	Blank
Service Des. Code	1	1	Same as Input
Unit Identification Code	5	3	Same as Input
Date - Year	1	1	Same as Input
Date - Day	3	2	Same as Input
Serial Number	4	4	Same as Input
General Status Message	37	37	Same as Input
Filler	1	1	Same as Input
Sub-Stock No. Type Code	1	1	Same as Input
Sub-Stock Number	15	15	Same as Input
Description	10	10	Same as Input
Filler	22	22	Same as Input

RE-FORMATTED 1348 REGULAR STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"7B" only
Stock Number Type Code	1	1	"1", "2" or "3"
Document Identifier	3	3	Same as Input
Routing Identifier	3	3	Same as Input
Media & Status Code	1	1	Same as Input
Stock Number	15	15	Same as Input
Unit of Issue	2	2	Same as Input
Quantity	5	3	Same as Input
Filler	1	1	Blank
Service Des. Code	1	1	Same as Input
Unit Identification Code	5	3	Same as Input
Date - Year	1	1	Same as Input
Date - Day	3	2	Same as Input
Serial Number	4	4	Same as Input
Suffix Code	1	1	Same as Input
Supplementary Address	6	6	Same as Input
Signal Code	1	1	Same as Input
Fund Code	2	2	Same as Input
Distribution Code	3	3	Same as Input
Project Code	3	3	Same as Input
Priority Code	2	2	Same as Input
Ship/Trans/Delivery Date	4	4	Same as Input
Status Code	2	2	Same as Input
Routing Identifier	3	3	Same as Input
Est. Delivery Date	4	4	Same as Input

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Unit Price	7	7	Same as Input
Sub-Stock # Type Code	1	1	Same as Input
Sub-Stock Number	15	15	Same as Input
Description	10	10	Same as Input
Filler	22	22	Same as Input

RE-FORMATTED 1348 PROCUREMENT STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"7C" only
Stock Number Type Code	1	1	"1" "2" or "3"
Document Identifier	3	3	Same as Input
Routing Identifier	3	3	Same as Input
Media & Status Code	1	1	Same as Input
Stock Number	15	15	Same as Input
Unit of Issue	2	2	Same as Input
Quantity	5	3	Same as Input
Filler	1	1	Blank
Document Number: Service Des. Code	1	1	Same as Input
Unit Identification Code	5	3	Same as Input
Date - year	1	1	Same as Input
Date - Day	3	2	Same as Input
Serial Number	4	4	Same as Input
Suffix Code	1	1	Same as Input
Supplementary Address	6	6	Same as Input
Signal Code	1	1	Same as Input
Fund Code	2	2	Same as Input
Distribution Code	3	3	Same as Input
Project Code	3	3	Same as Input
Procurement Number	13	13	Same as Input
Serial Number	4	4	Same as Input
Est. Avail. Date	4	4	Same as Input
Filler	1	1	Same as Input
Sub-Stock # Type Code	1	1	Same as Input

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Sub-Stock Number	15	15	Same as Input
Description	10	10	Same as Input
Filler	22	22	Same as Input

RE-FORMATTED 1348 SHIPPING STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"7D" only
Stock Number Type Code	1	1	"1", "2" or "3"
Document Identifier	3	3	Same as Input
Routing Identifier	3	3	Same as Input
Media & Status Code	1	1	Same as Input
Stock Number	15	15	Same as Input
Unit of Issue	2	2	Same as Input
Quantity	5	3	Same as Input
Filler	1	1	Blank
Document Number: Service Des. Code	1	1	Same as Input
Document Number: Unit Identification Code	5	3	Same as Input
Document Number: Date - year	1	1	Same as Input
Document Number: Date - Day	3	2	Same as Input
Document Number: Serial Number	4	4	Same as Input
Suffix Code	1	1	Same as Input
Supplementary Address	6	6	Same as Input
Hold Code	1	1	Same as Input
Fund Code	2	2	Same as Input
Distribution Code	3	3	Same as Input
Shipment Date	3	3	Same as Input
Priority Code	2	2	Same as Input
TCN, etc.	15	15	Same as Input
Mode of shipment	1	1	Same as Input
Date Avail/POE	3	3	Same as Input
Filler	1	1	Same as Input

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Sub-Stock # Type Code	1	1	Same as Input
Sub-Stock Number	15	15	Same as Input
Description	10	10	Same as Input
Filler	22	22	Same as Input

RE-FORMATTED 1348-1 RECEIPT RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Record Type Code	2	2	"8Ø" only
Stock Number Type Code	1	1	"1", "2" or "3"
Document Identifier	3	3	Same as Input
Routing Identifier	3	3	Same as Input
Media & Status Code	1	1	Same as Input
Stock Number	15	15	Same as Input
Unit Of Issue	2	2	Same as Input
Quantity	6	4	Same as Input
Service Des. Code	1	1	Same as Input
Unit Identification Code	5	3	Same as Input
Date - year	1	1	Same as Input
Date - Day	3	2	Same as Input
Serial Number	4	4	Same as Input
Suffix Code	1	1	Same as Input
Supplementary Address	6	6	Same as Input
Signal Code	1	1	Same as Input
Fund Code	2	2	Same as Input
Distribution Code	3	3	Same as Input
Project Code	3	3	Same as Input
Priority Code	2	2	Same as Input
Required Del. Date	3	3	Same as Input
Advice Code	2	2	Same as Input
Routing Identifier	3	3	Same as Input
Routing Identifier	3	3	Same as Input
Unit Price	7	4	Same as Input

Document Number

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
Sub-Stock Number	15	15	Same as Input
Sub-Stock # Type Code	1	1	Same as Input
Filler	40	40	Same as Input

1114 SIM AND 1348

OUTSTANDING MASTER FILE

(Tape Usage Code - 0110)

DEAS SIM/1348 Master File Tape Layout

Block No. 0: Standard Data Tape Header (See 3MIP Utility Reference Manual, page 23).

Usage Code: 110

Tape Name: SIM/1348

Bytes 58-59 (Binary): Begin Block of Non-SIM Index

Bytes 60-61 (Binary): Begin Block of Document Number Index

Bytes 62-63 (Binary): Begin data records

Section 1: Stock Number Index Blocks.

Bytes 1-2: Number of entries in this block (hexidecimal)

Bytes 3-128: 1 to 7 entries of stock number type code, stock number, 2-byte hexidecimal tape block number.

Section 2: Non-SIM Tape Index Blocks.

Bytes 1-2: Number of entries in this block (hexidecimal)

Bytes 3-128: 1 to 7 entries of last stock number type code, last stock number on tape, 2-byte unpacked tape number.

Section 3: Document Number Index Blocks.

Bytes 1-2: Number of entries in this block (hexidecimal)

Bytes 3-128: 1 to 21 entries of order number, 2-byte hexidecimal block number.

Section 4: Data Records Blocks.

Table of Master File Record Type Codes

RECORD NAME	RTC
1114 SIM	1Ø
1114 Delete Transaction (Non-SIM)	31
1114 Add Transaction (Non-SIM)	32
1114 Maintenance Transaction (Non-SIM)	33
1114 Quantity Adjustment (Non-SIM)	34
1250 Issue (Non-SIM)	35
1114 Quantity Receipt	36
1348 Outstanding Order	5Ø
Status Messages	7A, B, C or D

DEAS Master File Format Changes

1) Changes made to 1348 Record for work center codes.

   a) Field Number 20 (Requesting Department) is now a 2-byte filler of blanks.

   b) Field Number 22a (Ship Name of Address From) was replaced by

      i) Work Center Code - 2 alphabetics followed by 2 numerics

      ii) Job Serial Number - 1 alphabetic followed by 3 numerics

      iii) Spaces - 3 blanks.

2) The process date on all master file items was moved back to the end of the record (bytes 126-128).

3) All of the status records had a one byte filler of spaces inserted after the quantity field.

4) All of the status records except the regular-type had the filler preceding the substitute stock number type code increased from 1 byte to 2 bytes.

5) Two record types were added.

   a) Record type 35 is an 1114 Non-SIM Issue Record in the the format of the 1114 SIM Record.

   b) Record type 36 is an 1114 Non-SIM Receipt Record in the format of the General Status Message.

1114 Sim Record

1114 Non-Sim Transaction Record

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
1) Record Type Code	1	2	2	1114 Sim=1ø 1114 Non-Sim= 31,32, 33,or34	1	2	2
2) Stock Number Type Code	3		1	1, 2, or 3	3		1
3) Allowance Type Code	4		1	Numeric	4		1
4) Security Code	5		1	Alphabetic	5		1
5) Local Management Code	6	7	2	Alphanumeric	6	7	2
6) Cognizance Symbol	8	9	2	Alphanumeric	8	9	2
7) Material Control Code	10		1	Alphabetic	10		1
8) Stock Number	11	25	15	Alphanumeric	11	25	15
9) Unit of Issue	26	27	2	Alphabetic	26	27	2
10) Quantity on Hand	28	33	6	Numeric	28	31	4
11) Unit Price	34	40	7	Numeric	32	35	4
12) Primary Location	41	45	5	Alphanumeric	36	40	5
13) Secondary Location	46	50	5	Alphanumeric	41	45	5
14) High Limit	51	56	6	Numeric	46	49	4

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
15) Low Limit	57	62	6	Numeric	50	53	4
16) Allowance Quantity	63	68	6	Numeric	54	57	4
17) 1st Last Issue Date	69	72	4	Numeric	58	60	3
18) 1st Last Issue Quantity	73	78	6	Numeric	61	64	4
19) 2nd Last Issue Date	79	82	4	Numeric	65	67	3
20) 2nd Last Issue Quantity	83	88	6	Numeric	68	71	4
21) 3rd Last Issue Date	89	92	4	Numeric	72	74	3
22) 3rd Last Issue Quantity	93	98	6	Numeric	75	78	4
23) 4th Last Issue Date	99	102	4	Numeric	79	81	3
24) 4th Last Issue Quantity	103	108	6	Numeric	82	85	4
25) Sub Stock Number Type Code	109		1	1, 2, or 3	86		1
26) Sub Stock No.	110	124	15	Alphanumeric	87	101	15
27) Item Description	125	134	10	Alphanumeric	102	111	10
28) Reorder Code	135		1	Numeric	112		1
29) Last Process Date	136	139	4	Numeric	113	115	3
30) Spaces				Blanks	116	128	13

1348 Requisition Record

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
1) Record Type Code	1	2	2	5Ø	1	2	2
2) Stock Number Type Code	3		1	1, 2, or 3	3		1
3) Document Identifier	4	6	3	Alphanumeric	4	6	3
4) Routing Identifier	7	9	3	Alphanumeric	7	9	3
5) Media and Status Code	10		1	Alphanumeric	10		1
6) Stock Number	11	25	15	Alphanumeric	11	25	15
7) Unit of Issue	26	27	2	Alphabetic	26	27	2
8) Quantity	28	33	6	Numeric	28	31	4
9) Document Number							
a) Service Designator Code	34		1	Alphabetic	32		1
b) Unit Identification Code	35	39	5	Numeric	33	35	3
c) Date	40	43	4	Numeric	36	38	3
d) Serial Number	44	47	4	Alphanumeric	39	42	4
10) Demand Code	48		1	Alphabetic	43		1
11) Supplementary Address							
a) Service Designator Code	49		1	Alphabetic	44		1

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
b) Unit Identification Code	50	54	5	Alphanumeric	45	49	5
12) Signal Code	55		1	Alphabetic	50		1
13) Fund Code	56	57	2	Alphanumeric	51	52	2
14) Distribution Code							
a) Monitoring Activity	58		1	Alphanumeric	53		1
b) Cognigance Symbol	59	60	2	Alphanumeric	54	55	2
15) Project Code	61	63	3	Alphanumeric	56	58	3
16) Priority Code	64	65	2	Numeric	59	60	2
17) Required Delivery Date	66	68	3	Numeric	61	63	3
18) Advice Code	69	70	2	Alphanumeric	64	65	2
19) Unit Price	71	77	7	Numeric	66	69	4
20) Requesting Department	78	79	2	Alphanumeric	70	71	2
21) Address (Sent To)							
a) Service Designator Code	80		1	Alphabetic	72		1
b) Unit Identification Code	81	85	5	Numeric	73	75	3
c) Name/Location-Supply Source	86	103	18	Alphanumeric	76	93	18

DATA NAME	CHARACTER FROM	TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	TO	NO. OF BYTES
22) Addresses (From)							
a) Ships Name-Supply Requisition	104	114	11	Alphanumeric	94	104	11
b) Ship Hull No.- Requisition	115	121	7	Alphanumeric	105	111	7
23) Item Description	122	131	10	Alphanumeric	112	121	10
24) Carry Code	132		1	C = Carried N = Not Carried	122		1
25) Order Type Code	133		1	Alphabetic	123		1
26) Process Date	134	137	4	Numeric	124	126	3
27) Spaces				Blanks	127	128	2

1348 General Status Record

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
1) Record Type Code	1	2	2	7A	1	2	2
2) Stock Number Type Code	3		1	1, 2, or 3	3		1
3) Document Identifier	4	6	3	Alphanumeric	4	6	3
4) Routing Identifier	7	9	3	Alphanumeric	7	9	3
5) Media and Status Code	10		1	Alphanumeric	10		1
6) Stock Number	11	25	15	Alphanumeric	11	25	15
7) Unit of Issue	26	27	2	Alphabetic	26	27	2
8) Quantity	28	32	5	Numeric	28	30	3
9) Document Numeber							
a) Service Designator Code	33		1	Alphabetic	31		1
b) Unit Identification Code	34	38	5	Numeric	32	34	3
c) Date	39	42	4	Numeric	35	37	3
d) Serial Number	43	46	4	Alphanumeric	38	41	4
10) General Status Message	47	83	37	Alphanumeric	42	78	37
11) Space	84		1	Blank	79		1

DATA NAME	CHARACTER FROM	TO	NO OF CHARACTERS	DESCRIPTION	BYTE FROM	TO	NO. OF BYTES
12) Sub-Stock No. Type Code	85		1	1, 2, or 3	80		1
13) Sub Stock Number	86	100	15	Alphanumeric	81	95	15
14) Description	101	110	10	Alphanumeric	96	105	10
15) Process Date	111	114	4	Numeric	106	108	3
16) Spaces				Blanks	109	128	20

1348 Regular Status Record

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
1) Record Type Code	1	2	2	7B	1	2	2
2) Stock Number Type Code	3		1	1, 2, or 3	3		1
3) Document Identifier	4	6	3	Alphanumeric	4	6	3
4) Routing Identifier	7	9	3	Alphanumeric	7	9	3
5) Media and Status Code	10		1	Alphanumeric	10		1
6) Stock Number	11	25	15	Alphanumeric	11	25	15
7) Unit of Issue	26	27	2	Alphabetic	26	27	2
8) Quantity	28	32	5	Numeric	28	30	3
9) Document Number							
a) Service Designator Code	33		1	Alphabetic	31		1
b) Unit Identification Code	34	38	5	Numeric	32	34	3
c) Date	39	42	4	Numeric	35	37	3
d) Serial Number	43	46	4	Alphanumeric	38	41	4
10) Suffix Code	47		1	Alphanumeric	42		1
11) Supplementary Address	48	53	6	Alphanumeric	43	48	6

DATA NAME	CHARACTER FROM	TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	TO	NO. OF BYTES
12) Signal Code	54		1	Alphabetic	49		1
13) Fund Code	55	56	2	Alphanumeric	50	51	2
14) Distribution Code	57	59	3	Alphanumeric	52	54	3
15) Project Code	60	62	3	Alphanumeric	55	57	3
16) Priority Code	63	64	2	Numeric	58	59	2
17) Ship/Trans/Delivery Date	65	68	4	Numeric	60	63	4
18) Status Code	69	70	2	Alphanumeric	64	65	2
19) Routing Identifier (To)	71	73	3	Alphanumeric	66	68	3
20) Estimated Delivery Date	74	77	4	Numeric	69	72	4
21) Unit Price	78	84	7	Numeric	73	79	7
22) Sub Stock No. Type Code	85		1	1, 2, or 3	80		1
23) Sub Stock No.	86	100	15	Alphanumeric	81	95	15
24) Description	101	110	10	Alphanumeric	96	105	10
25) Process Date	111	114	4	Numeric	106	108	3
26) Spaces				Blanks	109	128	20

1348 Procurement Status Record

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
1) Record Type Code	1	2	2	7C	1	2	2
2) Stock Number Type Code	3		1	1, 2, or 3	3		1
3) Document Identifier	4	6	3	Alphanumeric	4	6	3
4) Routing Identifier	7	9	3	Alphanumeric	7	9	3
5) Media and Status Code	10		1	Alphanumeric	10		1
6) Stock Number	11	25	15	Alphanumeric	11	25	15
7) Unit of Issue	26	27	2	Alphabetic	26	27	2
8) Quantity	28	32	5	Numeric	28	30	3
9) Document Number							
a) Service Designator Code	33		1	Alphabetic	31		1
b) Unit Identification Code	34	38	5	Numeric	32	34	3
c) Date	39	42	4	Numeric	35	37	3
d) Serial Number	43	46	4	Alphanumeric	38	41	4
10) Suffix Code	47		1	Alphanumeric	42		1
11) Supplementary Address	48	53	6	Alphanumeric	43	48	6

DATA NAME	CHARACTER FROM	TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	TO	NO. OF BYTES
12) Signal Code	54		1	Alphabetic	49		1
13) Fund Code	55	56	2	Alphanumeric	50	51	2
14) Distribution Code	57	59	3	Alphanumeric	52	54	3
15) Project Code	60	62	3	Alphanumeric	55	57	3
16) Procurement Number	63	75	13	Alphanumeric	58	70	13
17) Serial Number	76	79	4	Alphanumeric	71	74	4
18) Estimated Available Date	80	83	4	Numeric	75	78	4
19) Space	84		1	Blank	79		1
20) Sub Stock No. Type Code	85		1	1, 2, or 3	80		1
21) Sub Stock No.	86	100	15	Alphanumeric	81	95	15
22) Description	101	110	10	Alphanumeric	96	105	10
23) Process Date	111	114	10	Numeric	106	108	3
24) Spaces				Blanks	109	128	20

1348 Shipping Status Record

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
1) Record Type Code	1	2	2	7D	1	2	2
2) Stock Number Type Code	3		1	1, 2, or 3	3		1
3) Document Identifier	4	6	3	Alphanumeric	4	6	3
4) Routing Identifier	7	9	3	Alphanumeric	7	9	3
5) Media & Status Code	10		1	Alphanumeric	10		1
6) Stock Number	11	25	15	Alphanumeric	11	25	15
7) Unit of Issue	26	27	2	Alphabetic	26	27	2
8) Quantity	28	32	5	Numeric	28	30	3
9) Document Number							
a) Service Designator Code	33		1	Alphabetic	31		1
b) Unit Identification Code	34	38	5	Numeric	32	34	3
c) Date	39	42	4	Numeric	35	37	3
d) Serial Number	43	46	4	Alphanumeric	38	41	4
10) Suffix Code	47		1	Alphanumeric	42		1
11) Supplementary Address	48	53	6	Alphanumeric	43	48	6
12) Hold Code	54		1	Alphabetic	49		1
13) Fund Code	55	56	2	Alphanumeric	50	51	2

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
14) Distribution Code	57	59	3	Alphanumeric	52	54	3
15) Shipment Date	60	62	3	Numeric	55	57	3
16) Priority Code	63	64	2	Numeric	58	59	2
17) TCN	65	79	15	Alphanumeric	60	74	15
18) Mode of Shipment	80		1	Alphanumeric	75		1
19) Date Available/POE	81	83	3	Numeric	76	78	3
20) Space	84		1	Blank	79		1
21) Sub Stock No. Type Code	85		1	1, 2, or 3	80		1
22) Sub Stock No.	86	100	15	Alphanumeric	81	95	15
23) Description	101	110	10	Alphanumeric	96	105	10
24) Process Date	111	114	4	Numeric	106	108	3
25) Spaces				Blanks	109	128	20

1114 NON-SIM

MASTER FILE

(Tape Usage Code - 0120)

DEAS Non-SIM Master File Tape Layout

Block #0: Standard Data Tape Header (see 3MIP Utility Reference Manual, page 23).

Usage Code: 120

Tape Name : Non-SIM

Bytes 58-59 (Binary): Begin data records

Section 1: Stock Number Index Blocks.

Bytes 1-2: Number of entries in this block (hexidecimal)

Bytes 3-128: 1 to 7 entries of stock number type code, stock number, 2-byte hexidecimal tape block number.

Section 2: Data Record Blocks.

1114 Non-SIM Record

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
1) Record Type Code	1	2	2	1114 Sim=1Ø	1	2	2
2) Stock Number Type Code	3		1	1, 2, or 3	3		1
3) Allowance Type Code	4		1	Numeric	4		1
4) Security Code	5		1	Alphabetic	5		1
5) Local Management Code	6	7	2	Alphanumeric	6	7	2
6) Cognizance Symbol	8	9	2	Alphanumeric	8	9	2
7) Material Control Code	10		1	Alphabetic	10		1
8) Stock Number	11	25	15	Alphanumeric	11	25	15
9) Unit of Issue	26	27	2	Alphabetic	26	27	2
10) Quantity on Hand	28	33	6	Numeric	28	31	4
11) Unit Price	34	40	7	Numeric	32	35	4
12) Primary Location	41	45	5	Alphanumeric	36	40	5
13) Secondary Location	46	50	5	Alphanumeric	41	45	5
14) High Limit	51	56	6	Numeric	46	49	4

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
15) Low Limit	57	62	6	Numeric	50	53	4
16) Allowance Quantity	63	68	6	Numeric	54	57	4
17) 1st Last Issue Date	69	72	4	Numeric	58	60	3
18) 1st Last Issue Quantity	73	78	6	Numeric	61	64	4
19) 2nd Last Issue Date	79	82	4	Numeric	65	67	3
20) 2nd Last Issue Quantity	83	88	6	Numeric	68	71	4
21) 3rd Last Issue Date	89	92	4	Numeric	72	74	3
22) 3rd Last Issue Quantity	93	98	6	Numeric	75	78	4
23) 4th Last Issue Date	99	102	4	Numeric	79	81	3
24) 4th Last Issue Quantity	103	108	6	Numeric	82	85	4
25) Sub Stock Number Type Code	109		1	1, 2, or 3	86		1
26) Sub Stock No.	110	124	15	Alphanumeric	87	101	15
27) Item Description	125	134	10	Alphanumeric	102	111	10
28) Reorder Code	135		1	Numeric	112		1
29) Spaces	136	149	13	Blanks	113	125	13
30) Last Process Date	150	154	5	Numeric	126	128	3

CANDIDATE REORDER

FILE

(Tape Usage Code - 0308)

Reorder Candidate Records

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
1) Record Type Code	1	2	2	1114 Sim=1Ø	1	2	2
2) Stock Number Type Code	3		1	1, 2, or 3	3		1
3) Allowance Type Code	4		1	Numeric	4		1
4) Security Code	5		1	Alphabetic	5		1
5) Local Management Code	6	7	2	Alphanumeric	6	7	2
6) Cognizance Symbol	8	9	2	Alphanumeric	8	9	2
7) Material Control Code	10		1	Alphabetic	10		1
8) Stock Number	11	25	15	Alphanumeric	11	25	15
9) Unit of Issue	26	27	2	Alphabetic	26	27	2
10) Reorder Quantity	28	33	6	Numeric	28	31	4
11) Unit Price	34	40	7	Numeric	32	35	4
12) Primary Location	41	45	5	Alphanumeric	36	40	5
13) Secondary Location	46	50	5	Alphanumeric	41	45	5
14) High Limit	51	56	6	Numeric	46	49	4

DATA NAME	CHARACTER FROM	CHARACTER TO	NO. OF CHARACTERS	DESCRIPTION	BYTE FROM	BYTE TO	NO. OF BYTES
15) Low Limit	57	62	6	Numeric	50	53	4
16) Allowance Quantity	63	68	6	Numeric	54	57	4
17) 1st Last Issue Date	69	72	4	Numeric	58	60	3
18) 1st Last Issue Quantity	73	78	6	Numeric	61	64	4
19) 2nd Last Issue Date	79	82	4	Numeric	65	67	3
20) 2nd Last Issue Quantity	83	88	6	Numeric	68	71	4
21) 3rd Last Issue Date	89	92	4	Numeric	72	74	3
22) 3rd Last Issue Quantity	93	98	6	Numeric	75	78	4
23) 4th Last Issue Date	99	102	4	Numeric	79	81	3
24) 4th Last Issue Quantity	103	108	6	Numeric	82	85	4
25) Sub Stock Number Type Code	109		1	1, 2, or 3	86		1
26) Sub Stock No.	110	124	15	Alphanumeric	87	101	15
27) Item Description	125	134	10	Alphanumeric	102	111	10
28) Reorder Code	135		1	1	112		1
29) Spaces	136	149	13	Blanks	113	125	13
30) Last Process Date	150	154	5	Numeric	126	128	3

REFORMATTED

1250 ISSUE FILE

(Tape Usage Code - 0506)

Reformatted 1250 Issue Record

DATA NAME	NO. OF CHAR	DESCRIPTION
1) Material Request Date	4	Numeric
2) Department Number	5	Alphanumeric
3) Issue	1	Alphabetic
4) Turn-In	1	Alphabetic
5) Usage	1	Alphabetic
6) Fill (Fleet Issue Ship)	1	Alphabetic
7) Mart	1	Alphabetic
8) Location	5	Alphanumeric
9) Requisition Quantity	5	Numeric
10) Requisition Number	4	Alphanumeric
11) Material Issue Date	4	Numeric
12) Required Delivery Date	4	Numeric
13) Urgency	2	Numeric
14) Not-In-Stock	1	Alphabetic
15) Not-Carried	1	Alphabetic
16) SIM	1	Alphabetic
17) Non-SIM	1	Alphabetic
18) Inventory (if Non-SIM)	5	Alphanumeric
19) Project Code	3	Alphanumeric
20) Ship Hull Number	7	Alphanumeric
21) Source Code	1	Alphabetic
22) Cog	2	Alphanumeric
23) Stock Number	15	Alphanumeric
24) Description	10	Alphanumeric

Reformatted 1250 Issue Record (Cont'd)

DATA NAME	NO. OF CHAR	DESCRIPTION
25) Unit of Issue	2	Alphabetic
26) Quantity	5	Numeric
27) Unit Price	7	Numeric
28) Job Control Number	13	Alphanumeric
29) Equipment Identification Code	7	Alphanumeric
30) Allowance Parts List/ Allowance Equipage List	11	Alphanumeric
31) Fund Code	2	Alphanumeric
32) Cosal Supported - Yes	1	Alphabetic
33) Cosal Supported - No	1	Alphabetic
34) Remarks	14	Alphanumeric
TOTAL	148	

REFORMATTED

1348 REQUISITION FILE

(Tape Usage Code - 0508)

Reformatted 1348 Requisition Record

DATA NAME	NO. OF CHAR	DESCRIPTION
1) Sent To:		
a) Service Designator Code	1	Alphabetic
b) UIC	5	Numeric
c) Name/Location	18	Alphanumeric
2) Requisition From:		
a) Service Designator Code	1	Alphabetic
b) UIC	5	Numeric
c) Ship Name	13	Alphanumeric
d) Ship Hull Number	7	Alphanumeric
3) Item Description	10	Alphanumeric
4) Document Identifier	3	Alphanumeric
5) Routing Identifier	3	Alphanumeric
6) Media & Status Code	1	Alphanumeric
7) Stock Number	15	Alphanumeric
8) Unit of Issue	2	Alphabetic
9) Quantity	6	Numeric or 1st Char. Alpha
10) Document Number:		
a) Service Designator Code	1	Alphabetic
b) UIC	5	Numeric
c) Date	4	Numeric
d) Serial Number	4	Numeric or 1st Char. = "W"
11) Demand Code	1	Alphabetic
12) Supplementary Address	6	Alphanumeric
13) Signal Code	1	Alphabetic

Reformatted 1348 Requisition Record (Cont.)

DATA NAME	NO. OF CHAR	DESCRIPTION
14) Remarks	30	Alphanumeric
15) Fund Code	2	Alphanumeric
16) Distribution Code	3	Alphanumeric
17) Project Code	3	Alphanumeric
18) Priority Code	2	Numeric ("01" - "15")
19) Required Delivery Date	3	Numeric
20) Advice Code	2	Alphanumeric

REFORMATTED 1348 ORDERS

AND STATUS FILE

(Tape Usage Code - 0408)

1348 REQUISITION RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
1) Work Center Code	4	4	Alpha-Numeric
2) Document Number			
a) Date	4	3	Numeric
b) Serial Number	4	4	Numeric or 1st Char = "W"
3) Record Type Code	2	2	"5Ø" only
4) Service Designator Code	1	1	Alpha
5) UIC	5	3	Numeric
6) Stock Number Type Code	1	1	"1", "2" or "3"
7) Document Identifier	3	3	Alpha-Numeric
8) Routing Identifier	3	3	Alpha-Numeric
9) Media & Status Code	1	1	Alpha-Numeric
10) Stock Number	15	15	Alpha-Numeric
11) Unit of Issue	2	2	Alpha
12) Quantity	6	4	Numeric
13) Demand Code	1	1	Alpha
14) Supplementary Address	6	6	Alpha-Numeric
15) Signal Code	1	1	Alpha
16) Fund Code	2	2	Alpha-Numeric
17) Distribution Code	3	3	Alpha-Numeric
18) Project Code	3	3	Alpha-Numeric
19) Priority Code	2	2	Numeric
20) Required Delivery Date	3	3	Numeric
21) Advice Code	2	2	Alpha-Numeric
22) Unit Price	7	4	Numeric
23) Spaces	2	2	Blanks

1348 REQUISITION RECORD (Cont'd)

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
24) Service Designator Code	1	1	Alpha
25) Unit Identification Code	5	3	Numeric
26) Name/Location-Supply Source	18	18	Alpha-Numeric
27) Work Center Code	4	4	2 Alphabetic/2 Numeric
28) Job Serial Number	4	4	1 Alphabetic/3 Numeric
29) Spaces	3	3	Blanks
30) Ship Hull Number	7	7	Alphanumeric
31) Item Description	10	10	Alphanumeric
32) Carry Code	1	1	N or C
33) Order Type Code	1	1	Alphabetic
34) Spaces	2	2	Blanks
35) Process Date	5	3	Numeric

1348 GENERAL STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
1) Work Center Code	4	4	Alpha-Numeric
2) Document Number			
a) Date	4	3	Numeric
b) Serial Number	4	4	Numeric or 1st Char = "W"
3) Record Type Code	2	2	"7A" only
4) Service Designator Code	1	1	Alpha
5) UIC	5	3	Numeric
6) Stock Number Type Code	1	1	"1", "2" or "3"
7) Document Identifier	3	3	Alpha-Numeric
8) Routing Identifier	3	3	Alpha-Numeric
9) Media & Status Code	1	1	Alpha-Numeric
10) Stock Number	15	15	Alpha-Numeric
11) Unit of Issue	2	2	Alpha
12) Quantity	5	3	Numeric
13) Space	1	1	Blank
14) General Status Message	37	37	Alpha-Numeric
15) Space	1	1	Blank
16) Sub-Stock # Type Code	1	1	"1", "2" or "3"
17) Sub-Stock Number	15	15	Alpha-Numeric
18) Item Description	10	10	Alpha-Numeric
19) Spaces	19	19	Blanks
20) Process Date	5	3	Numeric

1348 REGULAR STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
1) Work Center Code	4	4	Alpha-Numeric
2) Document Number			
a) Date	4	3	Numeric
b) Serial Number	4	4	Numeric or 1st Char =
3) Record Type Code	2	2	"7B" only
4) Service Designator Code	1	1	Alpha
5) UIC	5	3	Numeric
6) Stock Number Type Code	1	1	"1", "2" or "3"
7) Document Identifier	3	3	Alpha-Numeric
8) Routing Identifier	3	3	Alpha-Numeric
9) Media & Status Code	1	1	Alpha-Numeric
10) Stock Number	15	15	Alpha-Numeric
11) Unit of Issue	2	2	Alpha
12) Quantity	5	3	Numeric
13) Space	1	1	Blank
14) Suffix Code	1	1	Alpha-Numeric
15) Supplementary Address	6	6	Alpha-Numeric
16) Signal Code	1	1	Alpha
17) Fund Code	2	2	Alpha-Numeric
18) Distribution Code	3	3	Alpha-Numeric
19) Project Code	3	3	Alpha-Numeric
20) Priority Code	2	2	Numeric
21) Ship/Trans/Delivery Date	4	4	Numeric
22) Status Code	2	2	Alpha-Numeric
23) Routing Identifier (TO)	3	3	Alpha-Numeric

1348 REGULAR STATUS RECORD (Cont'd)

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
24) Estimated Delivery Date	4	4	Numeric
25) Unit Price	7	7	Numeric
26) Sub-Stock # Type Code	1	1	"1", "2" or "3"
27) Sub-Stock Number	15	15	Alpha-Numeric
28) Item Description	10	10	Alpha-Numeric
29) Spaces	19	19	Blanks
30) Process Date	5	3	Numeric

1348 PROCUREMENT STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
1) Work Center Code	4	4	Alpha-Numeric
2) Document Number			
a) Date	4	3	Numeric
b) Serial Number	4	4	Numeric or 1st Char = "W"
3) Record Type Code	2	2	"7C" only
4) Service Designator Code	1	1	Alpha
5) UIC	5	3	Numeric
6) Stock Number Type Code	1	1	"1", "2" or "3"
7) Document Identifier	3	3	Alpha-Numeric
8) Routing Identifier	3	3	Alpha-Numeric
9) Media & Status Code	1	1	Alpha-Numeric
10) Stock Number	15	15	Alpha-Numeric
11) Unit of Issue	2	2	Alpha
12) Quantity	5	3	Numeric
13) Space	1	1	Blank
14) Suffix Code	1	1	Alpha-Numeric
15) Supplementary Address	6	6	Alpha-Numeric
16) Signal Code	1	1	Alpha
17) Fund Code	2	2	Alpha-Numeric
18) Distribution Code	3	3	Alpha-Numeric
19) Project Code	3	3	Alpha-Numeric
20) Procurement Number	13	13	Alpha-Numeric
21) Serial Number	4	4	Alpha-Numeric
22) Estimated Avail. Date	4	4	Numeric
23) Space	1	1	Blank

1348 PROCUREMENT STATUS RECORD (Cont'd)

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
24) Sub-Stock # Type Code	1	1	"1", "2" or "3"
25) Sub-Stock Number	15	15	Alpha-Numeric
26) Item Description	10	10	Alpha-Numeric
27) Spaces	19	19	Blanks
28) Process Date	5	3	Numeric

1348 SHIPPING STATUS RECORD

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
1) Work Center Code	4	4	Alpha-Numeric
2) Document Number			
a) Date	4	3	Numeric
b) Serial Number	4	4	Numeric or 1st Char = "W"
3) Record Type Code	2	2	"7D" only
4) Service Designator Code	1	1	Alpha
5) UIC	5	3	Numeric
6) Stock Number Type Code	1	1	"1", "2" or "3"
7) Document Identifier	3	3	Alpha-Numeric
8) Routing Identifier	3	3	Alpha-Numeric
9) Media & Status Code	1	1	Alpha-Numeric
10) Stock Number	15	15	Alpha-Numeric
11) Unit of Issue	2	2	Alpha
12) Quantity	5	3	Numeric
13) Space	1	1	Blank
14) Suffix Code	1	1	Alpha-Numeric
15) Supplementary Address	6	6	Alpha-Numeric
16) Hold Code	1	1	Alpha
17) Fund Code	2	2	Alpha-Numeric
18) Distribution Code	3	3	Alpha-Numeric
19) Shipment Date	3	3	Numeric
20) Priority Code	2	2	Numeric
21) TCN, etc	15	15	Alpha-Numeric
22) Mode of Shipment	1	1	Alpha-Numeric

1348 SHIPPING STATUS RECORD (Cont'd)

DATA NAME	NO. OF CHAR	# BYTES	DESCRIPTION
23) Date Avail./POE	3	3	Numeric
24) Space	1	1	Blank
25) Sub-Stock # Type Code	1	1	"1", "2" or "3"
26) Sub-Stock Number	15	15	Alpha-Numeric
27) Description	10	10	Alpha-Numeric
28) Spaces	19	19	Blanks
29) Process Date	5	3	Numeric

VALIDATED DATA ENTRY

MAINTENANCE FILE

(Tape Usage Code - 3B28)

Edited Maintenance Completion Record

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Work Center Code	4	2 Alphabetic, 2 Numeric
Job Sequence Number	4	1 Alphabetic, 3 Numeric
Print Verify Code	1	Blank

Edited 2-KILO Maintenance Record

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Work Center Code	4	2 Alphabetic, 2 Numeric
Job Sequence Number	4	1 Alphabetic, 3 Numeric
APL/AEL Number	11	Alphanumeric
Equipment Noun Name	16	Alphanumeric
When Discovered	1	Numeric
Status	1	Numeric
Cause	1	Numeric
Deferral Reason	1	Numeric
Id./Equip. Serial #	12	Alphanumeric
Equipment Id. Code	7	Alphanumeric
Safety/Hazard Code	1	Alphabetic
Location	20	Alphanumeric
Date Discovered	4	Numeric
Alterations	14	Alphanumeric
*/** Code (Insurv)	2	Alphanumeric
Insurv Number	7	Alphanumeric
Suffix	2	Numeric
U Code	1	Alphanumeric
S Code	1	Alphanumeric
P/F Code	1	Alphabetic
S/F Manhours Expended	4	Numeric

Edited 2-KILO Maintenance Record (Cont.)

DATA NAME	NO. OF CHAR	DESCRIPTION
Defer Date	4	Numeric
S/F Manhours Remaining	4	Numeric
Deadline Date	4	Numeric
Action Taken	2	1 Numeric, 1 Alphabetic
S/F Manhours	4	Numeric
Completion Date	4	Numeric
Actual Maint. Time	3	Numeric
Troubleshooting %	1	Numeric
Meter Reading	5	Numeric
CSMP Summary	30	Alphanumeric
Priority	1	Numeric
Type Avail. Code	1	Numeric
Intermediate Unit Code	1	Numeric
TYCOM Screening	1	Numeric
Print Verify Code	1	Blank

EDITED 1250 ISSUE RECORD

DATA NAME	NO. OF CHAR	DESCRIPTION
Key Input Code	1	Blank
Stock Number Type Code	1	"1", "2" or "3"
Material Request Date	4	Numeric
Department Number	5	Alpha-Numeric
Issue	1	Alpha
Turn-In	1	Alpha
Usage	1	Alpha
Fill (Fleet Issue Load List)	1	Alpha
Mart (Serv-Mart)	1	Alpha
Location 1	1	Alpha
Location 2	4	Numeric
Requisition Quantity	5	Numeric
Requisition Number	4	Alpha-Numeric
(Material Issue Date)	4	Numeric
Required Delivery Date	4	Numeric
Urgency	1	Alpha
Not-In-Stock	1	Alpha
Not-Carried	1	Alpha
SIM	1	Alpha
NON-SIM	1	Alpha
Inventory (if NON-SIM)	5	Numeric
Project Code	3	Alpha Numeric
Source Code	1	Alpha
Cog. 1	1	Numeric
Cog. 2	1	Alpha

DATA NAME	NO. OF CHAR	DESCRIPTION
Stock Number	15	Alpha Numeric
Description	10	Alpha Numeric
Unit of Issue	2	Alpha
Quantity	5	Numeric
Unit Price 1	5	Numeric
Unit Price 2	2	Numeric
Work Code 1	2	Alpha
Work Code 2	2	Numeric
Job Sequence No. 1	1	Alpha
Job Sequence No. 2	3	Numeric
Equipment Identification Code	7	Alpha-Numeric
Allowance Parts List/Allowance Equipage List	11	Alpha-Numeric
Fund Code	2	Alpha-Numeric
Cosal Supported - yes	1	Alpha
Cosal Supported - no	1	Alpha
Remarks	14	Alpha-Numeric
Print Verify Code	1	Blank

REFORMATTED MAINTENANCE

TRANSACTIONS FILE

(Tape Usage Code - 0208)

Completion Record

DATA NAME	NO. OF CHAR	DESCRIPTION
1) Work Center Code	4	2 Alphabetic, 2 Numeric
2) Job Sequence Number	4	1 Alphabetic, 3 Numeric
3) Record Type Code	1	"2"
Total	9	

2-KILO Maintenance Record

DATA NAME	NO. OF CHAR	DESCRIPTION
1) Work Center Code	4	2 Alphabetic, 2 Numeric
2) Job Sequence Number	4	1 Alphabetic, 3 Numeric
3) Record Type Code	1	"3"
4) Equipment Noun Name	16	Alphanumeric
5) Equipment ID	12	Alphanumeric
6) CSMP Summary	30	Alphanumeric
7) Deferral Date	4	Numeric
8) Deferral Reason	1	Numeric
9) Priority	1	Numeric
10) Screening Action	1	Numeric
11) S/F Manhours Remaining	4	Numeric
12) Manhours Expended	4	Numeric
13) Deadline Date	4	Numeric
Total	86	

1250 Issue Record

DATA NAME	NO. OF CHAR	DESCRIPTION
1) Work Center Code	4	2 Alphabetic, 2 Numeric
2) Job Sequence Number	4	1 Alphabetic, 3 Numeric
3) Record Type Code	1	"4"
4) Stock Number	15	Alphanumeric
5) Quantity	5	Numeric
6) Unit of Issue	2	Alphabetic
7) Material Request Date	4	Numeric
8) EIC	7	Alphanumeric
9) APL/AEL	11	Alphanumeric
Total	53	

1348 Requisition Record

DATA NAME	NO. OF CHAR	DESCRIPTION
1) Work Center Code	4	2 Alphabetic, 2 Numeric
2) Job Sequence Number	4	1 Alphabetic, 3 Numeric
3) Record Type Code	1	"5"
4) Stock Number	15	Alphanumeric
5) Quantity	6	Numeric
6) Unit of Issue	2	Alphabetic
7) Document Number		
a) Service Designator Code	1	Alphabetic
b) UIC	5	Numeric
c) Date	4	Numeric
d) Serial Number	4	Numeric
8) Project Code	3	Alphanumeric
9) Priority	2	01-15
10) Required Delivery Date	3	Numeric
11) Advice Code	2	Alphanumeric
12) Extended Price	7	Numeric

MAINTENANCE

MASTER FILE

(Tape Usage Code - 0210)

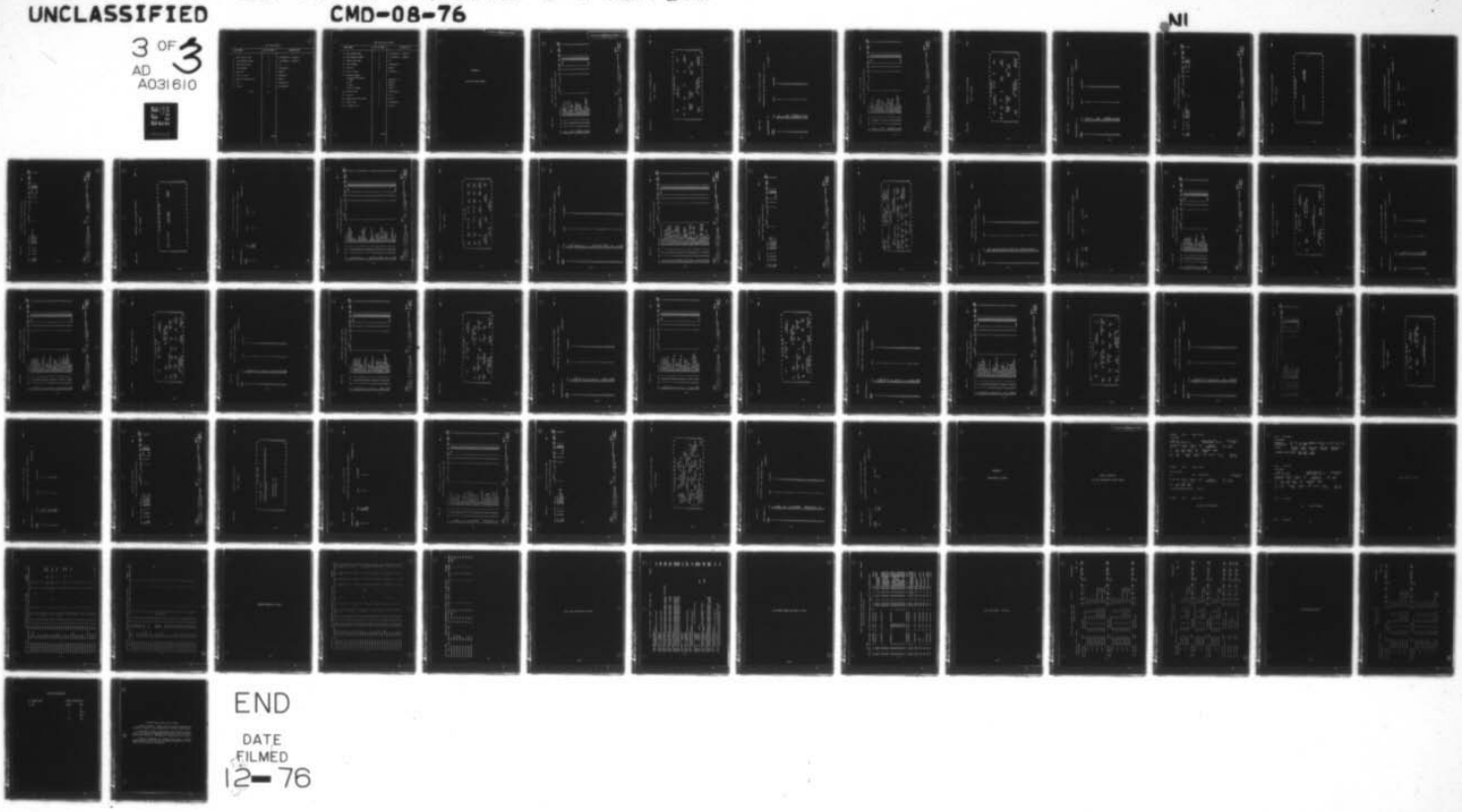
2-KILO Maintenance Record

DATA NAME	NO. OF CHAR	DESCRIPTION
1) Work Center Code	4	2 Alphabetic, 2 Numeric
2) Job Sequence Number	4	1 Alphabetic, 3 Numeric
3) Record Type Code	1	"3"
4) Equipment Noun Name	16	Alphanumeric
5) Equipment ID	12	Alphanumeric
6) CSMP Summary	30	Alphanumeric
7) Deferral Date	4	Numeric
8) Deferral Reason	1	Numeric
9) Priority	1	Numeric
10) Screening Action	1	Numeric
11) S/F Manhours Remaining	4	Numeric
12) Manhours Expended	4	Numeric
13) Deadline Date	4	Numeric
Total	86	

AD-A031 610 DAVID W TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT CE--ETC F/G 9/2
DATA ENTRY ABOARD SHIP - DEAS BREADBOARD SYSTEM DOCUMENTATION.(U)
SEP 75 R N KOONTZ, J A JEFFERS

UNCLASSIFIED CMD-08-76 NI

3 OF 3
AD
A031610



END

DATE
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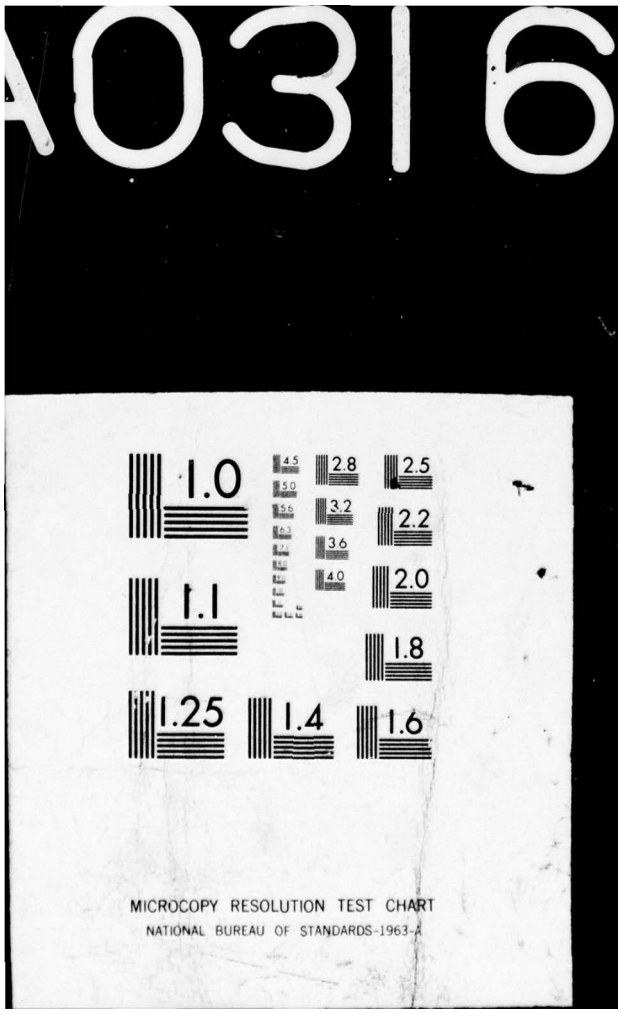
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1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

1250 Issue Record

DATA NAME	NO. OF CHAR	DESCRIPTION
1) Work Center Code	4	2 Alphabetic, 2 Numeric
2) Job Sequence Number	4	1 Alphabetic, 3 Numeric
3) Record Type Code	1	"4"
4) Stock Number	15	Alphanumeric
5) Quantity	5	Numeric
6) Unit of Issue	2	Alphabetic
7) Material Request Date	4	Numeric
8) EIC	7	Alphanumeric
9) APL/AEL	11	Alphanumeric
Total	53	

1348 Requisition Record

DATA NAME	NO. OF CHAR	DESCRIPTION
1) Work Center Code	4	2 Alphabetic, 2 Numeric
2) Job Sequence Number	4	1 Alphabetic, 3 Numeric
3) Record Type Code	1	"5"
4) Stock Number	15	Alphanumeric
5) Quantity	6	Numeric
6) Unit of Issue	2	Alphabetic
7) Document Number		
a) Service Designator Code	1	Alphabetic
b) UIC	5	Numeric
c) Date	4	Numeric
d) Serial Number	4	Numeric
8) Project Code	3	Alphanumeric
9) Priority	2	01-15
10) Required Delivery Date	3	Numeric
11) Advice Code	2	Alphanumeric
12) Extended Price	7	Numeric

APPENDIX D

INPUT CRT FORM LAYOUTS

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	COMPUTED SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	FRAME SEARCH KEY	K			N	N	5 SDES	BLNK	Y		Y
SNTC	4	10	1	STOCK NUMBER TYPE CODE	K			Y	N	1	ZERO	Y		Y
STOCK	4	25	15	STOCK NUMBER	K			Y	N	4	BLNK	Y		N
ATC	4	57	1	ALLOWANCE TYPE CODE	K			N	N	1	BLNK	Y		N
ERC	4	71	1	E/R/C	K			N	N	2	BLNK	Y		N
URG	9	5	1	UNDER WAY REPLEN GROUP	K			N	N	2	BLNK	Y		N
MRT	9	12	1	SERV MART	K			N	N	2	BLNK	Y		N
COGS1	9	24	1	COGNIZANCE SYMBOL 1	K			N	N	1	BLNK	Y		N
COGS2	9	25	1	COGNIZANCE SYMBOL 2	K			N	N	2	BLNK	Y		N
EOI	9	40	1	EOI	K			N	N	2	BLNK	Y		N
UI	9	56	2	UNIT OF ISSUE	K			N	N	2	BLNK	Y		N
PRIC1	9	69	5	PRICE FIELD NUMBER 1	K			N	N	1	BLNK	Y		N
PRIC2	9	75	2	PRICE FIELD NUMBER 2	K			N	N	1	BLNK	Y		N
PRIM1	14	12	1	PRIMARY LOCATION 1	K			N	N	4	BLNK	Y		N
PRIM2	14	13	4	PRIMARY LOCATION 2	K			N	N	4	BLNK	Y		N
BEGMO	14	27	5	BEGINNING DEMAND	K			N	N	1	BLNK	Y		N
HIGH	14	53	6	HIGH LIMIT	K			N	N	1	BLNK	Y		N
LOW	14	63	6	LOW LIMIT	K			N	N	1	BLNK	Y		N
ALLOW	19	8	6	ALLOWANCE QTY	K			N	N	1	BLNK	Y		N
SSTC	19	30	1	SUBSTITUTE STOCK TYPE CODE	K			N	N	1	BLNK	Y		N
SSNO	19	36	15	SUBSTITUTE STOCK NUMBER	K			N	N	4	BLNK	Y		N
DESC	19	65	10	DESCRIPTION	K			N	N	4	BLNK	Y		N
PRINT	20	79	1	PRINT OPTION	K			N	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

FRAME: P1FCU DESCRIPTION: 1114 CONSUMMABLE UPDATE

CRT IMAGE

```
   ....5...10...15...20...25...30...35...4C...45...50...55...60...65...70...75...80
 1 *                          1114 CONSUMMABLE UPDATE                                1
 2                                                                                   2
 3       SNTC                STOCK NO.                   ATC         E/R/C           3
 4         *              ***************                 *            *             4
 5                                                                                   5
 6                                                                                   6
 7                                                                                   7
 8   URG    MRT          COGS            EDI              UI           PRICE         8
 9    *      *            **              *               **         $******.**      9
10                                                                                  10
11                                                                                  11
12        LOCATION     BEG MO DEM                               LIMIT               12
13         PRIMARY        YMMDD                          HIGH       LOW             13
14           *****        *****                         ******    ******            14
15                                                                                  15
16                                                                                  16
17                             SUBSTITUTE DATA                                      17
18       ALLOW                SSTC    SUB-STOCK NO.                DESCRIPTION      18
19       ******                *     ***************               **********       19
20                                                                               *  20
   ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 88 RECORDS/BLOCK: 2

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	SNTC	1	1
3	STOCK	15	2
4	ATC	1	17
5	ERC	1	18
6	URG	1	19
7	MRT	1	20
8	COGS1	1	21
9	COGS2	1	22
10	EOI	1	23
11	UI	2	24
12	PRIC1	5	26
13	PRIC2	2	31
14	PRIM1	1	33
15	PRIM2	4	34
16	BEGMO	5	38
17	HIGH	6	43
18	LOW	6	49
19	ALLOW	6	55
20	SSTC	1	61
21	SSNO	15	62
22	DESC	10	77
23	PRINT	1	87

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	FRAME SEARCH KEY	K			N	N	5 SDES	BLNK	Y		Y
SNTC	4	10	1	STOCK NUMBER TYPE CODE	K			Y	N	1	ZERO	Y		Y
STOCK	4	18	15	STOCK NUMBER	K			Y	N	4	BLNK	Y		N
SIM	4	40	1	SIM ITEM	K			N	N	2	BLNK	Y		Y
NSIM	4	45	1	NON-SIM ITEM	K			N	N	2	BLNK	Y		Y
ATC	4	57	1	ALLOWANCE TYPE CODE	K			N	N	1	ZERO	Y		N
ERC	4	71	1	EQUIP/REPAIR/CONSUM	K			Y	N	2	BLNK	Y		N
URG	9	3	1	UNDERWAY REPLEN GROUP	K			N	N	2	BLNK	Y		N
MRT	9	8	1	SERV MART	K			N	N	2	BLNK	Y		N
COGS1	9	15	1	COGNIZANCE SYMBOL 1	K			Y	N	1	ZERO	Y		N
COGS2	9	16	1	COGNIZANCE SYMBOL 2	K			Y	N	2	BLNK	Y		N
EOI	9	25	1	EOI	K			N	N	2	BLNK	Y		N
UI	9	35	2	UNIT OF ISSUE	K			Y	N	2	BLNK	Y		N
OHQ	9	48	6	ON-HAND-QUANTITY	K			Y	N	1	ZERO	Y		N
PRIC1	9	67	5	UNIT PRICE - PART ONE	K			Y	N	1	ZERO	Y		N
PRIC2	9	73	2	UNIT PRICE - PART TWO	K			Y	N	1	ZERO	Y		N
PRIM1	14	12	1	PRIMARY LOCATION 1	K			N	N	3	BLNK	Y		N
PRIM2	14	13	4	PRIMARY LOCATION 2	K			N	N	3	BLNK	Y		N
BEGMO	14	24	5	BEGINNING MONTH DEMAND	K			N	N	1	BLNK	Y		N
HIGH	14	53	6	HIGH LIMIT	K			N	N	1	ZERO	Y		N
LOW	14	63	6	LOW LIMIT	K			N	N	1	ZERO	Y		N
ALLOW	19	8	6	ALLOWANCE QTY	K			N	N	1	ZERO	Y		N
SSTC	19	30	1	SUBSTITUTE STOCK TYPE CODE	K			N	N	1	BLNK	Y		N
SSNO	19	36	15	SUBSTITUTE STOCK NUMBER	K			N	N	4	BLNK	Y		N
DESC	19	65	10	DESCRIPTION	K			N	N	4	BLNK	Y		N
PRINT	20	79	1	PRINT OPTION	K			N	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111 1
4 - 11,111,111 11
5 - 1,111,111 111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

FRAME: P1FAD   DESCRIPTION: 1114 ADD CONSUMMABLE   PAGE: 4

CRT IMAGE

```
    ....5...10...15...20...25...30...35...40..45...50...55...60...65...70...75...80
 1  *                                 1114 ADD CONSUMMABLES                            1
 2                                                                                     2
 3          SNTC        STOCK NO.          SIM N-SIM        ATC          E/R/C         3
 4            *      ***************         *    *          *              *          4
 5                                                                                     5
 6                                                                                     6
 7                                                                                     7
 8   URG  MRT    COGS        EOI        UI         O-H-Q              PRICE            8
 9    *    *      **          *         **         ******          $******.**          9
10                                                                                    10
11                                                                                    11
12            LOCATION   BEG MO DEM                            LIMIT                  12
13             PRIMARY     YMMDD                          HIGH        LOW             13
14              *****      *****                         ******      ******           14
15                                                                                    15
16                                                                                    16
17                                     SUBSTITUTE DATA                                17
18         AI LOW               SSTC    SUB-STOCK NO.                 DESCRIPTION     18
19         ******                 *    ***************                **********      19
20                                                                                 *  20
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 96 RECORDS/BLOCK: 2

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	SNTC	1	1
3	STOCK	15	2
4	SIM	1	17
5	NSIM	1	18
6	ATC	1	19
7	ERC	1	20
8	URG	1	21
9	MRT	1	22
10	COGS1	1	23
11	COGS2	1	24
12	EOI	1	25
13	UI	2	26
14	OHQ	6	28
15	PRIC1	5	34
16	PRIC2	2	39
17	PRIM1	1	41
18	PRIM2	4	42
19	BEGMO	5	46
20	HIGH	6	51
21	LOW	6	57
22	ALLOW	6	63
23	SSTC	1	69
24	SSNO	15	70
25	DESC	10	85
26	PRINT	1	95

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	COMPUTED SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	FRAME SEARCH KEY	K			N	N	5 SDES	BLNK	Y		Y
SNTC	8	23	1	STOCK NUMBER TYPE CODE	K			Y	N	1	ZERO	Y		Y
STOCK	8	49	15	STOCK NUMBER	K			Y	N	3	ZERO	Y		N
PRINT	10	79	1	PRINT OPTION	K			N	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS

1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR

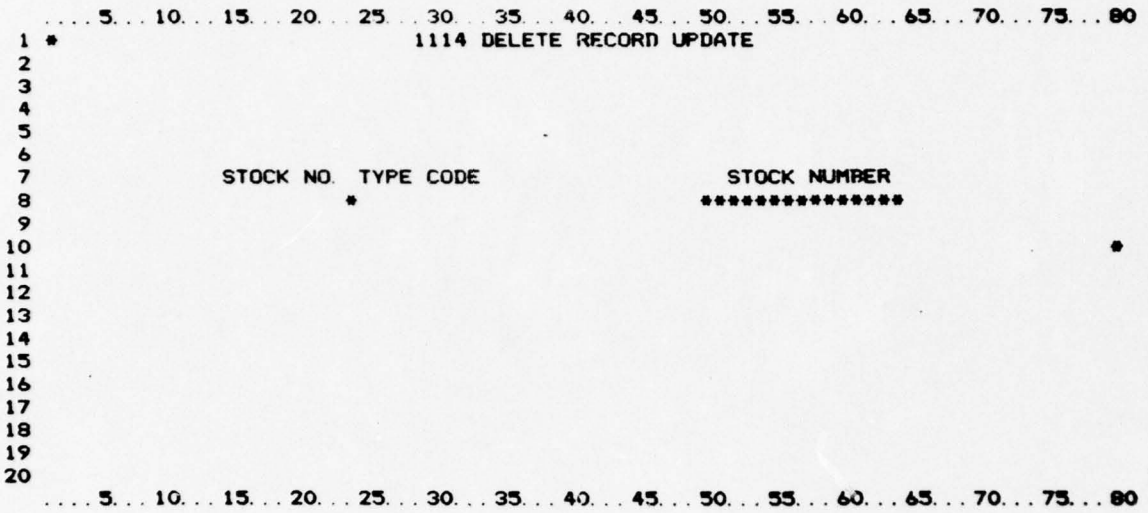
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS

O - OWN CODE
B - BATCH
E - EXTENSION

FRAME: P1CDR DESCRIPTION: 1114 DELETE RECORD UPDATE PAGE: 4

CRT IMAGE



FRAME: P1CDR DESCRIPTION: 1114 DELETE RECORD UPDATE

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 18 RECORDS/BLOCK: 14

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	SNTC	1	1
3	STOCK	15	2
4	PRINT	1	17

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	COMPUTED SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	FRAME SEARCH KEY	K			N	N	5 SDES	BLNK	Y		Y
SNTC	8	13	1	STOCK NUMBER TYPE CODE	K			Y	N	1	ZERO	Y		Y
STOCK	8	33	15	STOCK NUMBER	K			Y	N	3	ZERO	Y		N
QUANT	8	66	6	QUANTITY	K			Y	N	1	ZERO	Y		N
PRINT	10	79	1	PRINT OPTION	K			N	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

FRAME: P1DQU DESCRIPTION: 11140 ADJUSTMENTS TO QUANTITY PAGE: 4

CRT IMAGE

```
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
 1  *                    1114 ADJUSTMENTS TO QUANTITY UPDATE                        1
 2                                                                                  2
 3                                                                                  3
 4                                                                                  4
 5                                                                                  5
 6                                                                                  6
 7     STOCK NO  TYPE CODE          STOCK NUMBER              QUANTITY             7
 8               *                  ***************           ******               8
 9                                                                                  9
10                                                                              *  10
11                                                                                 11
12                                                                                 12
13                                                                                 13
14                                                                                 14
15                                                                                 15
16                                                                                 16
17                                                                                 17
18                                                                                 18
19                                                                                 19
20                                                                                 20
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 24 RECORDS/BLOCK: 10

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	SNTC	1	1
3	STOCK	15	2
4	QUANT	6	17
5	PRINT	1	23

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	$	FIELD CHECK REQ
KEY	1	1	1	FRAME SEARCH KEY	K			N	N	5 SDES	BLNK	Y			Y
STC	1	8	1	STOCK NUMBER TYPE CODE	K			N	N	1	BLNK	Y			N
MRD	5	4	4	MATERIAL REQUEST DATE	K			Y	N	1	ZERO	Y			N
DEPT	5	14	5	DEPARTMENT NUMBER	K			N	N	3	BLNK	Y			N
ISSUE	5	25	1	ISSUE	K			N	N	2	BLNK	Y			Y
TI	5	30	1	TURN-IN	K			N	N	2	BLNK	Y			Y
USAGE	5	34	1	USAGE	K			N	N	2	BLNK	Y			Y
FILL	5	43	1	FILL	K			N	N	2	BLNK	Y			Y
MART	5	48	1	MART	K			N	N	2	BLNK	Y			Y
LOC1	5	54	1	LOCATION 1	K			N	N	3	BLNK	Y			N
LOC2	5	55	4	LOCATION 2	K			N	N	3	BLNK	Y			N
RQTY	5	64	5	REQN QTY	K			N	N	1	BLNK	Y			N
RNO	5	74	4	REQUISITION NUMBER	K			N	N	3	BLNK	Y			N
MID	9	4	4	MATERIAL ISSUE DATE	K			N	N	1	BLNK	Y			N
RDD	9	14	4	REQUIRED DELIVERY DATE	K			N	N	1	BLNK	Y			N
U	9	24	1	URGENCY	K			N	N	3	BLNK	Y			N
NIS	9	32	1	NIS	K			N	N	2	BLNK	Y			Y
NC	9	36	1	N/C	K			N	N	2	BLNK	Y			Y
SIM	9	43	1	SIM	K			N	N	2	BLNK	Y			Y
NSIM	9	48	1	NON-SIM	K			N	N	2	BLNK	Y			Y
INVEN	9	54	5	INVENTORY (IF NON-SIM)	K			N	N	3	BLNK	Y			N
PC	9	64	3	PROJECT CODE	K			N	N	3	BLNK	Y			N
SOURC	13	6	1	SOURCE	K			N	N	2	BLNK	Y			N
COG	13	14	2	COG	K			N	N	3	BLNK	Y			N
STOCK	13	23	15	STOCK NUMBER	K			N	N	4	BLNK	Y			N
DESC	13	41	10	DESCRIPTION	K			N	N	4	BLNK	Y			N
UI	13	55	2	UNIT OF ISSUE	K			N	N	2	BLNK	Y			N
QUANT	13	63	5	QUANTITY	K			Y	N	1	ZERO	Y			N
PRIC1	13	72	5	UNIT PRICE - PART ONE	K			N	N	1	BLNK	Y			N
PRIC2	13	78	2	UNIT PRICE - PART TWO	K			N	N	1	BLNK	Y			N
WC1	17	9	2	WORK CODE (C1-2)	K			Y	N	2	BLNK	Y			N
WC2	17	11	2	WORK CODE (C3-4)	K			Y	N	1	ZERO	Y			N
JSN1	17	13	1	JOB SEQ NBR C1	K			Y	N	2	BLNK	Y			N
JSN2	17	14	3	JOB SEQ NBR C2-4	K			Y	N	1	ZERO	Y			N
EIC	17	31	7	EIC	K			Y	N	3	BLNK	Y			N
APL	17	54	11	APL/AEI	K			Y	N	4	BLNK	Y			N
FUND	17	75	2	FUND	K			N	N	3	BLNK	Y			N
CSY	20	17	1	COSAL SUPPORTED - YES	K			N	N	3	BLNK	Y			N
CSN	20	25	1	COSAL SUPPORTED - NO	K			N	N	3	BLNK	Y			N
REMAR	20	44	14	REMARKS	K			N	N	4	BLNK	Y			N
PRINT	20	79	1	PRINT OPTION	K			N	N	5 NPRN	BLNK	Y			N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

CRT IMAGE

```
....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
 *  STC *
                                       1250 ISSUE FORM

    MRD       DEPT      ISSUE T-I USE      FILL MART   LOC      RQTY      RNO
    ****      *****       *    *   *         *    *    *****    *****     ****


    MID       RDD         U       NIS N/C    SIM N-SIM  INVEN    PROJ      SHN
    ****      ****        *        *   *     *    *    *****    ***     DD 944


   SOURCE     COG          STOCK NO.          DESC      UI      QUANT     PRICE
      *       **        ***************    **********   **      *****   $*****.**

          JCN
     UIC W/C JSN                    EIC                     APL/AEL          FUND
    52203********                 *******                 ***********        **

                 COSAL SUPP                        REMARKS
               YES *    NO *                   ***************                *
....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

FRAME: P4 12 DESCRIPTION: 1250 ISSUE FORM PAGE: 5

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 138 RECORDS/BLOCK: 1

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	STC	1	1
3	MRD	4	2
4	DEPT	5	6
5	ISSUE	1	11
6	TI	1	12
7	USAGE	1	13
8	FILL	1	14
9	MART	1	15
10	LOC1	1	16
11	LOC2	4	17
12	RQTY	5	21
13	RNO	4	26
14	MID	4	30
15	RDD	4	34
16	U	1	38
17	NIS	1	39
18	NC	1	40
19	SIM	1	41
20	NSIM	1	42
21	INVEN	5	43
22	PC	3	48
23	SOURC	1	51
24	COG	2	52
25	STOCK	15	54
26	DESC	10	69
27	UI	2	79
28	QUANT	5	81
29	PRIC1	5	86
30	PRIC2	2	91
31	WC1	2	93
32	WC2	2	95
33	JSN1	1	97
34	JSN2	3	98
35	EIC	7	101
36	APL	11	108
37	FUND	2	119
38	CSY	1	121
39	CSN	1	122
40	RFMAR	14	123
41	PRINT	1	137

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	KEY CODE-CONTINUE, SEARCH, SPACE	K			N	N	5 SDES	BLNK	Y		Y
CARRY	1	13	1	CARR CODE	K			Y	N	2	BLNK	Y		N
ORDCD	2	13	1	ORDER CODE	K			Y	N	2	BLNK	Y		N
STYPC	4	18	1	STOCK NUMBER TYPE CODE	K			Y	N	1	ZERO	Y		N
SDCS	9	6	1	SERVICE DESIGNATOR CODE	K			Y	N	2	BLNK	Y		N
UICS	9	7	5	UNIT IDENTIFICATION CODE	K			Y	N	1	ZERO	Y		N
SNAME	9	13	18	SUPPLY SOURCE NAME & LOCATION	K			Y	N	4	BLNK	Y		N
SDCR	9	46	1	REQ-SERVICE DESIGNATOR CODE	K			Y	N	2	BLNK	Y		N
UICR	9	47	5	REQ-UNIT IDENTIFICATION CODE	K			Y	N	1	ZERO	Y		N
RNAME	9	53	13	REQUESTOR NAME	K			Y	N	2	BLNK	Y		N
RHULL	9	67	7	REQUESTOR - HULL NUMBER	K			Y	N	4	BLNK	Y		N
DESC	12	2	10	ITEM DESCRIPTION	K			Y	N	4	BLNK	Y		N
DCID1	12	17	1	DOCUMENT ID-FIRST CHARACTER	K			Y	N	2	BLNK	Y		N
DCID3	12	18	2	DOCUMENT ID-SEC. & THIRD CHAR	K			Y	N	3	BLNK	Y		N
RTID1	12	26	1	ROUTING ID-FIRST CHARACTER	K			Y	N	2	BLNK	Y		N
RTID2	12	27	2	ROUTING ID-SEC. & THIRD CHAR	K			Y	N	3	BLNK	Y		N
MSCOD	12	35	1	MEDIA-STATUS CODE	K			Y	N	3	BLNK	Y		N
STNBR	12	40	15	STOCK NUMBER	K			Y	N	4	BLNK	Y		N
UOI	12	62	2	UNIT OF ISSUE	K			Y	N	2	BLNK	Y		N
QNTY1	12	69	1	QUANTITY - FIRST CHARACTER	K			Y	N	3	BLNK	Y		N
QNTY2	12	70	4	QUANTITY - CHARS 2 THRU 5	K			Y	N	1	ZERO	Y		N
SERVD	15	3	1	SERVICE DESIGNATOR CODE	K			Y	N	2	BLNK	Y		N
RUICD	15	8	5	REQ-UNIT ID CODE	K			Y	N	1	ZERO	Y		N
DATE	15	15	4	JULIAN DATE	K			Y	N	1	ZERO	Y		N
SERL1	15	22	1	SERIAL NUMBER - FIRST CHARACTE	K			Y	N	3	BLNK	Y		N
SERL2	15	23	3	SERIAL NUMBER-CHARS. 2 THRU 4	K			Y	N	1	ZERO	Y		N
DEMND	15	31	1	DEMAND CODE	K			Y	N	2	BLNK	Y		N
SSC	15	38	1	SUPP. ADDRESS - SERVICE CODE	K			N	N	2	BLNK	Y		N
SUIC	15	39	5	SUPP. ADDRESS - UNIT ID CODE	K			N	N	3	BLNK	Y		N
SIGNL	15	51	1	SIGNAL CODE	K			Y	N	2	BLNK	Y		N
RMKS1	15	61	15	REMARKS - PART 1	K			N	N	4	BLNK	Y		N
RMKS2	16	61	15	REMARKS - PART 2	K			N	N	4	BLNK	Y		N
FUNDC	18	4	2	FUND CODE	K			Y	N	3	BLNK	Y		N
DIST1	18	11	1	DISTRIBUTION CODE - FIRST CHAR	K			N	N	3	BLNK	Y		N
DIST2	18	12	1	DISTRIBUTION CODE - SECONDCHAR	K			N	N	3	BLNK	Y		N
DIST3	18	13	1	DISTRIBUTION CODE - THIRD CHAR	K			N	N	3	BLNK	Y		N
PROJ	18	21	3	PROJECT CODE	K			Y	N	3	BLNK	Y		N
PRIOR	18	32	2	PRIORITY CODE	K			Y	N	1	ZERO	Y		N
RDFLD	18	41	3	REQUIRED DELIVERY DATE	K			N	N	1	BLNK	Y		N
ADVCE	18	53	2	ADVICE CODE	K			N	N	3	BLNK	Y		N
PRIC1	20	27	5	PRICE - DOLLARS	K			N	N	1	ZERO	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	COMPUTED SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
PRIC2	20	33	2	UNIT PRICE - CENTS	K			N	N	1	ZERO	Y		N
WC1	20	45	2	WORK CENTER C1-C2	K			Y	N	2	BLNK	Y		N
WC2	20	47	2	WORK CENTER C3-C4	K			Y	N	1	ZERO	Y		N
JSN1	20	55	1	JOB SEQ NBR	K			N	N	2	BLNK	Y		N
JSN2	20	56	3	JOB SEQ NRR C2-C4	K			N	N	1	BLNK	Y		N
PROPT	20	70	1	PRINT OPTION	K			N	N	5 NPRN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

CRT IMAGE

```
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
 1  *CARRY CODE *                 N  NOT CARRIED              C  CARRIED              1
 2  ORDER CODE *                  S  STOCK REPLENISHMENT      W  WALK THROUGH         2
 3                                D  DIRECT TURNOVER          C  CASREPT              3
 4  STOCK TYPE CODE *             1  NSN     2  PART NUMBER   3  LOCAL NUMBER         4
 5  ---------------------------------------------------------------------------------  5
 6                                1348 ORDER FORM                                      6
 7                                ---------------                                      7
 8       SEND TO:                                REQUISITION FROM:                    8
 9       ****** ******************               ****** ************* *******       9
10                                                                                    10
11  DESCRIPTION   DOC ID    ROUT ID    M-S     STOCK NUMBER          U/I     QUANTITY 11
12  **********      ***       ***       *     ***************        **      *****    12
13                                                                                    13
14  SERV   RFQNR   DATE   SERIAL    DEM     SUPP ADDR    SIGNAL      REMARKS          14
15   *     *****  ****    ****      *       ******         *         ***************  15
16                                                                    ***************  16
17   FUND     DIST     PROJECT    PRIORITY     RDD        ADVICE                     17
18    **      ***        ***         **        ***          **                       18
19                                                                                    19
20                      PRICE $*****.**       W/C ****  JSN ****           *        20
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

FRAME: P5 OE DESCRIPTION: 1348 ORDER EDIT PAGE: 6

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 176 RECORDS/BLOCK: 1

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	CARRY	1	1
3	ORDCD	1	2
4	STYPC	1	3
5	SDCS	1	4
6	UICS	5	5
7	SNAME	18	10
8	SDCR	1	28
9	UICR	5	29
10	RNAME	13	34
11	RHULL	7	47
12	DESC	10	54
13	DCID1	1	64
14	DCID3	2	65
15	RTID1	1	67
16	RTID2	2	68
17	MSCOD	1	70
18	STNER	15	71
19	UOI	2	86
20	QNTY1	1	88
21	QNTY2	4	89
22	SERVD	1	93
23	RUICD	5	94
24	DATE	4	99
25	SERL 1	1	103
26	SERL2	3	104
27	DEMND	1	107
28	SSC	1	108
29	SUIC	5	109
30	SIGNL	1	114
31	RMKS1	15	115
32	RMKS2	15	130
33	FUNDC	2	145
34	DIST1	1	147
35	DIST2	1	148
36	DIST3	1	149
37	PROJ	3	150
38	PRIOR	2	153
39	RDELD	3	155
40	ADVCE	2	158
41	PRIC1	5	160
42	PRIC2	2	165
43	WC1	2	167
44	WC2	2	169
45	JSN1	1	171

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 176 RECORDS/BLOCK: 1

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
46	JSN2	3	172
47	PROPT	1	175

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	FRAME SEARCH KEY	K			N	N	5 SDES	BLNK	Y		Y
STC	4	12	1	STOCK NO. TYPE CODE	K			Y	N	1	ZERO	Y		N
DOC1	4	28	1	DOCUMENT IDENTIFIER 1	K			Y	N	2	BLNK	Y		Y
DOC2	4	29	2	DOCUMENT IDENTIFIER 2	K			Y	N	3	BLNK	Y		N
ROUT1	4	37	1	ROUTING IDENTIFIER 1	K			N	N	2	BLNK	Y		N
ROUT2	4	38	2	ROUTING IDENTIFIER 2	K			N	N	3	BLNK	Y		N
MSC	4	46	1	MEDIA AND STATUS CODE	K			Y	N	3	BLNK	Y		N
STOCK	4	58	15	STOCK NUMBER	K			Y	N	3	BLNK	Y		N
UI	9	4	2	UNIT OF ISSUE	K			Y	N	2	BLNK	Y		N
QUANT	9	14	5	QUANTITY	K			Y	N	1	ZERO	Y		N
SDC	9	45	1	SERVICE DESIGN CODE	K			Y	N	2	BLNK	Y		Y
UIC	9	49	5	UNIT IDENTIFICATION CODE	K			Y	N	1	ZERO	Y		N
DATE	9	56	4	DATE	K			Y	N	1	ZERO	Y		N
SN1	9	63	1	SERIAL NUMBER 1	K			Y	N	3	BLNK	Y		N
SN2	9	64	3	SERIAL NUMBER 2	K			Y	N	1	ZERO	Y		N
STAT	14	22	37	STATUS MESSAGE	K			Y	N	4	BLNK	Y		N
SSTC	19	11	1	SUB. STOCK NUMBER TYPE CODE	K			N	N	1	ZERO	Y		N
SSN	19	17	15	SUBSTITUTE STOCK NUMBER	K			N	N	3	BLNK	Y		N
IDES	19	46	10	ITEM DESCRIPTION	K			N	N	3	BLNK	Y		N
PDATE	19	69	4	PROCESS DATE	K			Y	N	1	ZERO	Y		N
PRINT	20	79	1	PRINT OPTION	K			N	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

FRAME: P7ASG   DESCRIPTION: 1348 STATUS MESSAGES, GENERAL   PAGE: 4

CRT IMAGE

```
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
  1 *                                   1348 STATUS - GENERAL                          1
  2                                                                                    2
  3               STC               DOC   ROUT/FROM  MSC             STOCK NO.         3
  4                *                ***      ***      *          ***************       4
  5                                                                                    5
  6                                                                                    6
  7                                                          DOCUMENT NUMBER           7
  8    WI           QUANT                             SDC   UIC   DATE  SERIAL         8
  9    **           *****                              *   *****  ****   ****          9
 10                                                                                   10
 11                                                                                   11
 12                                                                                   12
 13                                     STATUS MESSAGE                                13
 14                        ************************************                       14
 15                                                                                   15
 16                                                                                   16
 17              SUBSTITUTE DATA                                                      17
 18             SSTC   SUB-STOCK NO.                 ITEM DES            PROCESS DATE 18
 19              *    ***************              **********                ****     19
 20                                                                                 * 20
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 113 RECORDS/BLOCK: 2

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	STC	1	1
3	DOC1	1	2
4	DOC2	2	3
5	ROUT1	1	5
6	ROUT2	2	6
7	MSC	1	8
8	STOCK	15	9
9	UI	2	24
10	QUANT	5	26
11	SDC	1	31
12	UIC	5	32
13	DATE	4	37
14	SN1	1	41
15	SN2	3	42
16	STAT	37	45
17	SSTC	1	82
18	SSN	15	83
19	IDES	10	98
20	PDATE	4	108
21	PRINT	1	112

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	COMPUTED SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	FRAME SEARCH KEY	K			N	N	5 SDES	BLNK	Y		Y
STC	4	12	1	STOCK NO. TYPE CODE	K			Y	N	1	ZERO	Y		N
DOC1	4	28	1	DOCUMENT IDENTIFIER 1	K			Y	N	2	BLNK	Y		Y
DOC2	4	29	2	DOCUMENT IDENTIFIER 2	K			Y	N	3	BLNK	Y		N
ROUT1	4	37	1	ROUTING IDENTIFIER 1	K			N	N	2	BLNK	Y		N
ROUT2	4	38	2	ROUTING IDENTIFIER 2	K			N	N	3	BLNK	Y		N
MSC	4	46	1	MEDIA AND STATUS CODE	K			Y	N	3	BLNK	Y		N
STOCK	4	58	15	STOCK NUMBER	K			Y	N	3	BLNK	Y		N
UI	9	4	2	UNIT OF ISSUE	K			Y	N	2	BLNK	Y		N
QUANT	9	14	5	QUANTITY	K			Y	N	1	ZERO	Y		N
SDC	9	45	1	SERVICE DESIGN CODE	K			Y	N	2	BLNK	Y		Y
UIC	9	49	5	UNIT IDENTIFICATION CODE	K			Y	N	1	ZERO	Y		N
DATE	9	56	4	DATE	K			Y	N	1	ZERO	Y		N
SN1	9	63	1	SERIAL NUMBER 1	K			Y	N	3	BLNK	Y		N
SN2	9	64	3	SERIAL NUMBER 2	K			Y	N	1	ZERO	Y		N
SUFF	13	5	1	SUFFIX CODE	K			Y	N	3	BLNK	Y		N
SSDC	13	17	1	SERVICE DESIGN CODE	K			Y	N	2	BLNK	Y		N
SUIC	13	26	5	UNIT IDENTIFICATION CODE	K			Y	N	3	BLNK	Y		N
SIG	13	38	1	SIGNAL CODE	K			Y	N	2	BLNK	Y		N
FUND	13	50	2	FUND CODE	K			Y	N	3	BLNK	Y		N
MA	13	64	1	MONITORING ACTIVITY	K			Y	N	3	BLNK	Y		N
CS1	13	70	1	COGNIZANCE SYMBOL 1	K			Y	N	1	ZERO	Y		N
CS2	13	71	1	COGNIZANCE SYMBOL 2	K			Y	N	2	BLNK	Y		N
PROJ	16	5	3	PROJECT CODE	K			Y	N	3	BLNK	Y		N
PRIO	16	17	2	PRIORITY CODE	K			Y	N	1	ZERO	Y		Y
RDD	16	27	4	REQUIRED DELIVERY DATE	K			Y	N	1	ZERO	Y		N
STAT	16	38	2	STATUS CODE	K			Y	N	3	BLNK	Y		N
ROUT	16	50	3	ROUTING IDENTIFIER	K			Y	N	3	BLNK	Y		N
TD	16	60	4	EST. DEL. / TRANS. DATE	K			Y	N	1	ZERO	Y		N
PRIC1	16	70	5	UNIT PRICE PART ONE	K			Y	N	1	ZERO	Y		N
PRIC2	16	76	2	UNIT PRICE PART TWO	K			Y	N	1	ZERO	Y		N
SSTC	20	11	1	SUB. STOCK NUMBER TYPE CODE	K			N	N	1	ZERO	Y		N
SSN	20	17	15	SUBSTITUTE STOCK NUMBER	K			N	N	3	BLNK	Y		N
IDES	20	46	10	ITEM DESCRIPTION	K			N	N	3	BLNK	Y		N
PDATE	20	69	4	PROCESS DATE	K			Y	N	1	ZERO	Y		N
PRINT	20	79	1	PRINT OPTION	K			N	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

FRAME: P7BSR　　　　DESCRIPTION: 1348 STATUS MESSAGES, REGULAR　　　　PAGE: 4

CRT IMAGE

```
   ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
 1 *                                 1348 STATUS - REGULAR                              1
 2                                                                                      2
 3            STC                DOC   ROUT/FROM  MSC              STOCK NO.            3
 4             *                 ***      ***      *            ***************       4
 5                                                                                      5
 6                                                                                      6
 7                                                         DOCUMENT NUMBER              7
 8     UI          QUANT                               SDC   UIC   DATE  SERIAL         8
 9     **          *****                                *   *****  ****   ****          9
10                                                                                     10
11                 SUPPLEMENTARY ADDRESS                                DISTRIBUTION   11
12   SUFFIX           SDC         UIC       SIGNAL       FUND              MA    CS    12
13     *               *         *****        *           **                *    **    13
14                                                                                     14
15   PROJECT       PRIORITY      RDD        STAT          R/I         TD        PRICE  15
16     ***            **         ****        **           ***        ****   $*****.**  16
17                                                                                     17
18                 SUBSTITUTE DATA                                                     18
19            SSTC    SUB-STOCK NO.                    ITEM DES          PROCESS DATE  19
20             *     ***************                  **********            ****    *  20
   ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 114 RECORDS/BLOCK: 2

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	STC	1	1
3	DOC1	1	2
4	DOC2	2	3
5	ROUT1	1	5
6	ROUT2	2	6
7	MSC	1	8
8	STOCK	15	9
9	UI	2	24
10	QUANT	5	26
11	SDC	1	31
12	UIC	5	32
13	DATE	4	37
14	SN1	1	41
15	SN2	3	42
16	SUFF	1	45
17	SSDC	1	46
18	SUIC	5	47
19	SIG	1	52
20	FUND	2	53
21	MA	1	55
22	CS1	1	56
23	CS2	1	57
24	PROJ	3	58
25	PRIO	2	61
26	RDD	4	63
27	STAT	2	67
28	ROUT	3	69
29	TD	4	72
30	PRIC1	5	76
31	PRIC2	2	81
32	SSTC	1	83
33	SSN	15	84
34	IDES	10	99
35	PDATE	4	109
36	PRINT	1	113

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	FRAME SEARCH KEY	K			N	N	5 SDES	BLNK	Y		Y
STC	4	12	1	STOCK NO TYPE CODE	K			Y	N	1	ZERO	Y		N
DOC1	4	28	1	DOCUMENT IDENTIFIER 1	K			Y	N	2	BLNK	Y		Y
DOC2	4	29	2	DOCUMENT IDENTIFIER 2	K			Y	N	3	BLNK	Y		N
ROUT1	4	37	1	ROUTING IDENTIFIER 1	K			N	N	2	BLNK	Y		N
ROUT2	4	38	2	ROUTING IDENTIFIER 2	K			N	N	3	BLNK	Y		N
MSC	4	46	1	MEDIA AND STATUS CODE	K			Y	N	3	BLNK	Y		N
STOCK	4	58	15	STOCK NUMBER	K			Y	N	3	BLNK	Y		N
UI	9	4	2	UNIT OF ISSUE	K			Y	N	2	BLNK	Y		N
QUANT	9	14	5	QUANTITY	K			Y	N	1	ZERO	Y		N
SDC	9	45	1	SERVICE DESIGN CODE	K			Y	N	2	BLNK	Y		Y
UIC	9	49	5	UNIT IDENTIFICATION CODE	K			Y	N	1	ZERO	Y		N
DATE	9	56	4	DATE	K			Y	N	1	ZERO	Y		N
SN1	9	63	1	SERIAL NUMBER 1	K			Y	N	3	BLNK	Y		N
SN2	9	64	3	SERIAL NUMBER 2	K			Y	N	1	ZERO	Y		N
SUFF	13	5	1	SUFFIX CODE	K			Y	N	3	BLNK	Y		N
SSDC	13	17	1	SERVICE DESIGN CODE	K			Y	N	2	BLNK	Y		N
SUIC	13	26	5	UNIT IDENTIFICATION CODE	K			Y	N	3	BLNK	Y		N
SIG	13	38	1	SIGNAL CODE	K			Y	N	2	BLNK	Y		N
FUND	13	50	2	FUND CODE	K			Y	N	3	BLNK	Y		N
MA	13	64	1	MONITORING ACTIVITY	K			Y	N	3	BLNK	Y		N
CS1	13	70	1	COGNIZANCE SYMBOL 1	K			Y	N	1	ZERO	Y		N
CS2	13	71	1	COGNIZANCE SYMBOL 2	K			Y	N	2	BLNK	Y		N
PROJ	16	5	3	PROJECT CODE	K			Y	N	3	BLNK	Y		N
PROC	16	22	13	PROCUREMENT NUMBER	K			Y	N	3	BLNK	Y		N
SERNO	16	51	4	SERIAL NUMBER	K			Y	N	3	BLNK	Y		N
EAD	16	64	4	EST. AVAIL. DATE	K			Y	N	1	ZERO	Y		N
SSTC	20	11	1	SUB. STOCK NUMBER TYPE CODE	K			N	N	1	ZERO	Y		N
SSN	20	17	15	SUBSTITUTE STOCK NUMBER	K			N	N	3	BLNK	Y		N
IDES	20	46	10	ITEM DESCRIPTION	K			N	N	3	BLNK	Y		N
PDATE	20	69	4	PROCESS DATE	K			Y	N	1	ZERO	Y		N
PRINT	20	79	1	PRINT OPTION	K			N	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

FRAME: P7CSP   DESCRIPTION: 1348 STATUS MESSAGES, PROCUREM   PAGE: 4

CRT IMAGE

```
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
  1 *                                1348 STATUS - PROCUREMENT                       1
  2                                                                                  2
  3            STC               DOC   ROUT/FROM  MSC             STOCK NO.          3
  4             *                ***      ***      *           ***************       4
  5                                                                                  5
  6                                                                                  6
  7                                                      DOCUMENT NUMBER             7
  8     UI         QUANT                              SDC   UIC   DATE  SERIAL       8
  9     **         *****                               *   *****  ****  ****         9
 10                                                                                 10
 11              SUPPLEMENTARY ADDRESS                             DISTRIBUTION     11
 12   SUFFIX          SDC         UIC      SIGNAL        FUND          MA    CS     12
 13     *              *         *****       *            **            *    **     13
 14                                                                                 14
 15   PROJECT           PROCUREMENT NO.            SERIAL NO.      EAD              15
 16     ***              *************                ****         ****             16
 17                                                                                 17
 18              SUBSTITUTE DATA                                                    18
 19           SSTC     SUB-STOCK NO.               ITEM DES         PROCESS DATE    19
 20             *     ***************             **********           ****     *  20
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

FRAME: P7CSP DESCRIPTION: 1348 STATUS MESSAGES, PROCUREM PAGE: 5

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 113 RECORDS/BLOCK: 2

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	STC	1	1
3	DOC1	1	2
4	DOC2	2	3
5	ROUT1	1	5
6	ROUT2	2	6
7	MSC	1	8
8	STOCK	15	9
9	UI	2	24
10	QUANT	5	26
11	SDC	1	31
12	UIC	5	32
13	DATE	4	37
14	SN1	1	41
15	SN2	3	42
16	SUFF	1	45
17	SSDC	1	46
18	SUIC	5	47
19	SIG	1	52
20	FUND	2	53
21	MA	1	55
22	CS1	1	56
23	CS2	1	57
24	PROJ	3	58
25	PROC	13	61
26	SERNO	4	74
27	EAD	4	78
28	SSTC	1	82
29	SSN	15	83
30	IDES	10	98
31	PDATE	4	108
32	PRINT	1	112

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	COMPUTED SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHFCK REQ
KEY	1	1	1	FRAME SEARCH KEY	K			N	N	5 SDES	BLNK	Y		Y
STC	4	12	1	STOCK NO TYPE CODE	K			Y	N	1	ZERO	Y		N
DOC1	4	28	1	DOCUMENT IDENTIFIER 1	K			Y	N	2	BLNK	Y		Y
DOC2	4	29	2	DOCUMENT IDENTIFIER 2	K			Y	N	3	BLNK	Y		N
ROUT1	4	37	1	ROUTING IDENTIFIER 1	K			N	N	2	BLNK	Y		N
ROUT2	4	38	2	ROUTING IDENTIFIER 2	K			N	N	3	BLNK	Y		N
MSC	4	46	1	MEDIA AND STATUS CODE	K			Y	N	3	BLNK	Y		N
STOCK	4	58	15	STOCK NUMBER	K			Y	N	3	BLNK	Y		N
UI	9	4	2	UNIT OF ISSUE	K			Y	N	2	BLNK	Y		N
QUANT	9	14	5	QUANTITY	K			Y	N	1	ZERO	Y		N
SDC	9	45	1	SERVICE DESIGN CODE	K			Y	N	2	BLNK	Y		Y
UIC	9	49	5	UNIT IDENTIFICATION CODE	K			Y	N	1	ZERO	Y		N
DATE	9	56	4	DATE	K			Y	N	1	ZERO	Y		N
SN1	9	63	1	SERIAL NUMBER 1	K			Y	N	3	BLNK	Y		N
SN2	9	64	3	SERIAL NUMBER 2	K			Y	N	1	ZERO	Y		N
SUFF	13	5	1	SUFFIX CODE	K			Y	N	3	BLNK	Y		N
SSDC	13	17	1	SERVICE DESIGN CODE	K			Y	N	2	BLNK	Y		N
SUIC	13	26	5	UNIT IDENTIFICATION CODE	K			Y	N	3	BLNK	Y		N
HC	13	38	1	HOLD CODE	K			Y	N	2	BLNK	Y		Y
FUND	13	50	2	FUND CODE	K			Y	N	3	BLNK	Y		N
MA	13	64	1	MONITORING ACTIVITY	K			Y	N	3	BLNK	Y		N
CS1	13	70	1	COGNIZANCE SYMBOL 1	K			Y	N	1	ZERO	Y		N
CS2	13	71	1	COGNIZANCE SYMBOL 2	K			Y	N	2	BLNK	Y		N
SD	16	5	3	SHIPMENT DATE	K			Y	N	1	ZERO	Y		N
PRIO	16	17	2	PRIORITY CODE	K			Y	N	1	ZERO	Y		Y
TCN	16	33	15	TCN, ETC	K			Y	N	3	BLNK	Y		N
MODE	16	61	1	MODE OF SHIP	K			Y	N	3	BLNK	Y		N
DASP	16	72	3	DATE AVAIL FOR SHIPMENT	K			Y	N	1	ZERO	Y		N
SSTC	20	11	1	SUB. STOCK NUMBER TYPE CODE	K			N	N	1	ZERO	Y		N
SSN	20	17	15	SUBSTITUTE STOCK NUMBER	K			N	N	3	BLNK	Y		N
IDES	20	46	10	ITEM DESCRIPTION	K			N	N	3	BLNK	Y		N
PDATE	20	69	4	PROCESS DATE	K			Y	N	1	ZERO	Y		N
PRINT	20	79	1	PRINT OPTION	K			N	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111 111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

CRT IMAGE

```
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
  1 *                              1348 STATUS - SHIPPING                             1
  2                                                                                   2
  3           STC                DOC   ROUT/FROM  MSC              STOCK NO.          3
  4            *                 ***      ***      *           ***************        4
  5                                                                                   5
  6                                                                                   6
  7                                                      DOCUMENT NUMBER              7
  8     UI        QUANT                           SDC   UIC   DATE  SERIAL            8
  9     **        *****                            *   *****  ****   ****             9
 10                                                                                  10
 11              SUPPLEMENTARY ADDRESS                                DISTRIBUTION   11
 12    SUFFIX          SDC         UIC        HC           FUND          MA    CS    12
 13      *              *         *****        *            **            *    **    13
 14                                                                                  14
 15      SD       PRIORITY                     TCN                  MODE      DASP   15
 16     ***          **                 ***************              *         ***   16
 17                                                                                  17
 18              SUBSTITUTE DATA                                                     18
 19          SSTC     SUB-STOCK NO.                    ITEM DES         PROCESS DATE 19
 20           *     ***************                   **********           ****    * 20
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 113 RECORDS/BLOCK: 2

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	STC	1	1
3	DOC1	1	2
4	DOC2	2	3
5	ROUT1	1	5
6	ROUT2	2	6
7	MSC	1	8
8	STOCK	15	9
9	UI	2	24
10	QUANT	5	26
11	SDC	1	31
12	UIC	5	32
13	DATE	4	37
14	SN1	1	41
15	SN2	3	42
16	SUFF	1	45
17	SSDC	1	46
18	SUIC	5	47
19	HC	1	52
20	FUND	2	53
21	MA	1	55
22	CS1	1	56
23	CS2	1	57
24	SD	3	58
25	PRIO	2	61
26	TCN	15	63
27	MODE	1	78
28	DASP	3	79
29	SSTC	1	82
30	SSN	15	83
31	IDES	10	98
32	PDATE	4	108
33	PRINT	1	112

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	FRAME SEARCH KEY	K			N	N	5 SDES	BLNK	Y		Y
SNTC	1	10	1	STOCK NUMBER TYPE CODE	K			Y	N	1	ZERO	Y		Y
DOC1	5	8	1	DOCUMENT IDENTIFIER 1	K			N	N	2	BLNK	Y		N
DOC2	5	9	2	DOCUMENT IDENTIFIER 2	K			N	N	3	BLNK	Y		N
ROUT1	5	21	1	ROUTING IDENTIFIER (FROM) 1	K			N	N	2	BLNK	Y		N
ROUT2	5	22	2	ROUTING IDENTIFIER (FROM) 2	K			N	N	3	BLNK	Y		N
MSC	5	37	1	MEDIA AND STATUS CODE	K			N	N	3	BLNK	Y		N
STOCK	5	48	15	STOCK NUMBER	K			Y	N	3	BLNK	Y		N
UI	5	74	2	UNIT OF ISSUE	K			Y	N	2	BLNK	Y		N
QUANT	10	3	5	QUANTITY	K			Y	N	1	ZERO	Y		N
SDC	10	20	1	SERVICE DESIGNATION CODE	K			Y	N	2	BLNK	Y		Y
UIC	10	24	5	UNIT ID CODE	K			Y	N	1	ZERO	Y		N
DATE	10	31	4	DATE	K			Y	N	1	ZERO	Y		N
SER1	10	38	1	SERIAL NUMBER 1	K			Y	N	3	BLNK	Y		N
SER2	10	39	3	SERIAL NUMBER 2	K			Y	N	1	ZERO	Y		N
SUFF	10	50	1	SUFFIX (DEMAND) CODE	K			N	N	2	BLNK	Y		Y
SSDC	10	65	1	SUP. SERVICE DESIGNATION CODE	K			N	N	2	BLNK	Y		Y
SUIC	10	72	5	SUP. UNIT ID CODE	K			N	N	3	BLNK	Y		N
SIG	15	5	1	SIGNAL CODE	K			N	N	2	BLNK	Y		N
FUND	15	16	2	FUND CODE	K			N	N	3	BLNK	Y		N
MA	15	27	1	MONITORING ACTIVITY	K			N	N	3	BLNK	Y		N
CS1	15	33	1	COGNIZANCE SYMBOL 1	K			N	N	1	ZERO	Y		N
CS2	15	34	1	COGNIZANCE SYMBOL 2	K			N	N	2	BLNK	Y		N
PROJ	15	45	3	PROJECT CODE	K			N	N	3	BLNK	Y		N
PRIO	15	59	2	PRIORITY CODE	K			N	N	1	ZERO	Y		Y
RDD	15	71	3	REQUIRED DELIVERY DATE	K			N	N	1	ZERO	Y		N
ADV	20	5	2	ADVICE CODE	K			N	N	3	BLNK	Y		N
RI	20	15	3	ROUTING IDENTIFIER	K			N	N	3	BLNK	Y		N
PRIC1	20	26	5	UNIT PRICE PART ONE	K			Y	N	1	ZERO	Y		N
PRIC2	20	32	2	UNIT PRICE PART TWO	K			Y	N	1	ZERO	Y		N
SSNO	20	43	15	SUBSTITUTE STOCK NUMBER	K			N	N	3	BLNK	Y		N
SSTC	20	64	1	SUBSTITUTE STOCK TYPE CODE	K			N	N	1	ZERO	Y		N
PRINT	20	79	1	PRINT OPTION	K			N	N	5 NPRN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

CRT IMAGE

```
   ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
 1 *  SNTC *                                                                          1
 2                                    1348-1 RECEIPT FORM                             2
 3                                                                                    3
 4        DOC          RI FROM          M&S            STOCK NO.             UI       4
 5        ***           ***              *           ***************         **       5
 6                                                                                    6
 7                                                                                    7
 8                           DOCUMENT NUMBER                     SUPPLEMENTARY ADDRESS 8
 9     QUANT           SDC   UID   DATE  SERIAL       SUFFIX          SDC      UID    9
10     *****            *   *****  ****   ****           *             *      *****  10
11                                                                                   11
12                                                                                   12
13                             DISTRIBUTION                                          13
14     SIGNAL       FUND        MA   COG          PROJECT       PRIORITY      RDD    14
15       *           **          *    **            ***            **          ***   15
16                                                                                   16
17                                                                                   17
18                                                    SUBSTITUTE DATA                18
19     ADVICE       R/I          PRICE              SUB-STOCK NO.      SSTC          19
20       **         ***        $***** **           ***************      *         *  20
   ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

FRAME: P8 13 DESCRIPTION: 1348-1 RECEIPT FORM PAGE: 5

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 95 RECORDS/BLOCK: 2

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	SNTC	1	1
3	DOC1	1	2
4	DOC2	2	3
5	ROUT1	1	5
6	ROUT2	2	6
7	MSC	1	8
8	STOCK	15	9
9	UI	2	24
10	QUANT	5	26
11	SDC	1	31
12	UIC	5	32
13	DATE	4	37
14	SER1	1	41
15	SER2	3	42
16	SUFF	1	45
17	SSDC	1	46
18	SUIC	5	47
19	SIG	1	52
20	FUND	2	53
21	MA	1	55
22	CS1	1	56
23	CS2	1	57
24	PROJ	3	58
25	PRIO	2	61
26	RDD	3	63
27	ADV	2	66
28	RI	3	68
29	PRIC1	5	71
30	PRIC2	2	76
31	SSNO	15	78
32	SSTC	1	93
33	PRINT	1	94

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	COMPUTED SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	CARD READER FIELD	K			Y	N	5 AS24	BLNK	Y		Y
DOC	4	20	3	DOCUMENT IDENTIFIER	K			Y	N	3	BLNK	Y		N
ROUT	4	30	3	ROUTING IDENTIFIER	K			Y	N	3	BLNK	Y		N
MS	4	41	1	MEDIA AND STATUS CODE	K			Y	N	3	BLNK	Y		N
ST NO	4	50	15	STOCK NUMBER	K			Y	N	4	BLNK	Y		N
UI	9	15	2	UNIT OF ISSUE	K			Y	N	2	BLNK	Y		N
QUANT	9	26	5	QUANTITY	K			Y	N	1	ZERO	Y		N
SDC	9	47	1	SERVICE DES CODE	K			Y	N	2	BLNK	Y		N
UIC	9	51	5	UNIT ID CODE	K			Y	N	1	ZERO	Y		N
DATE	9	59	4	DATE	K			Y	N	1	ZERO	Y		N
SER	9	67	4	SERIAL NUMBER	K			Y	N	3	ZERO	Y		N
MESS	14	23	37	STATUS MESSAGE	K			Y	N	4	BLNK	Y		N
PRINT	20	80	1	VERIFY CHARACTER	K			Y	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111 1
4 - 11,111,111 11
5 - 1,111,111 111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

FRAME: CD DESCRIPTION: 1348 STATUS CARD INPUT PAGE: 4

CRT IMAGE

```
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
 1 *                      1348 STATUS - CARD FORMAT                                    1
 2                                                                                     2
 3                    DOC      ROUT ID      M&S          STOCK NO.                    3
 4                    ***        ***         *        ***************                 4
 5                                                                                     5
 6                                                                                     6
 7                                                    DOCUMENT NUMBER                  7
 8                UI        QUANTITY                SDC   UIC     DATE   SERIAL      8
 9                **          *****                  *   *****   ****    ****       9
10                                                                                    10
11                                                                                    11
12                                                                                    12
13                              STATUS MESSAGE                                        13
14                    ************************************                            14
15                                                                                    15
16                                                                                    16
17                                                                                    17
18                                                                                    18
19                                                                                    19
20                                                                                  * 20
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

FRAME: CD DESCRIPTION: 1348 STATUS CARD INPUT PAGE: 5

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 82 RECORDS/BLOCK: 3

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	DOC	3	1
3	ROUT	3	4
4	MS	1	7
5	ST NO	15	8
6	UI	2	23
7	QUANT	5	25
8	SDC	1	30
9	UIC	5	31
10	DATE	4	36
11	SER	4	40
12	MESS	37	44
13	PRINT	1	81

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	SOURCE	COMPUTED AS	FIELD NAMES	RFQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB S	FIELD CHECK RFQ
KEY	1	1	1	KEY CODE ENTRY FIELD	K			N	N	5 SDES	BLNK	Y		Y
WC1	12	34	2	WORK CODE (C1-2)	K			Y	N	2	BLNK	Y		N
WC2	12	36	2	WORK CODE (C3-4)	K			Y	N	1	ZERO	Y		N
JSN1	14	34	1	JOB SEQ NBR C1	K			Y	N	2	BLNK	Y		N
JSN2	14	35	3	JOB SEQ NBR C2-4	K			Y	N	1	ZERO	Y		N
PRINT	20	79	1	PRINT VERIFY FIELD	K			N	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

FRAME: DELET DESCRIPTION: 2-KILO DELETE FORM PAGE: 4

CRT IMAGE

```
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
 1  *                              2-KILO  DELETE  FORM                                1
 2                                                                                     2
 3          USS MULLINNIX   DD 944                                                     3
 4                                                                                     4
 5                                                                                     5
 6          TO DELETE A 2-KILO FORM CONTAINED ON THE MAINTENANCE MASTER FILE,          6
 7          KEY IN THF ITEMS BELOW.                                                    7
 8                                                                                     8
 9                                                                                     9
10                                                                                    10
11                                                                                    11
12               WORK CENTER CODE   ****                                             12
13                                                                                    13
14               JOB SERIAL NUMBER  ****                                             14
15                                                                                    15
16                                                                                    16
17                                                                                    17
18                                                                                    18
19                                                                                    19
20                                                                              *     20
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

FRAME: DFLET DESCRIPTION: 2-KILO DELETE FORM PAGE: 5

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 10 RECORDS/BLOCK: 25

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	WC1	2	1
3	WC2	2	3
4	JSN1	1	5
5	JSN2	3	6
6	PRINT	1	9

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	COMPUTED SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
KEY	1	1	1	KEY CODE ENTRY FIELD	K			N	N	5 SDES	BLNK	Y		Y
WC1	4	23	2	WORK CODE (C1-2)	K			Y	N	2	BLNK	Y		N
WC2	4	25	2	WORK CODE (C3-4)	K			Y	N	1	ZERO	Y		N
JSN1	4	33	1	JOB SEQ NBR	K			Y	N	2	BLNK	Y		N
JSN2	4	34	3	JOB SEQ NBR C2-4	K			Y	N	1	ZERO	Y		N
AFFLN	4	46	11	AFL/AEL NO	K			Y	N	4	BLNK	Y		N
EQNAM	6	25	16	EQUIP NOUN NAME	K			Y	N	4	BLNK	Y		N
WND	6	44	1	WHEN DISCOVERED	K			Y	N	1	BLNK	Y		N
STA	6	49	1	STATUS	K			Y	N	1	BLNK	Y		N
CAS	6	54	1	CAUSE	K			Y	N	1	BLNK	Y		N
DFR	6	59	1	DEFERRAL REASON	K			N	N	1	BLNK	Y		N
IDESN	8	33	12	ID/EQUIP SERIAL NO	K			Y	N	4	BLNK	Y		N
EIC	8	61	7	EQUIP ID CODE	K			Y	N	3	BLNK	Y		N
SH	10	9	1	SAFETY/HAZARD CODE	K			N	N	2	BLNK	Y		N
LOC	10	18	20	LOCATION	K			Y	N	4	BLNK	Y		N
DISDT	10	55	4	WHEN DISCOVERED DATE	K			Y	N	1	ZERO	Y		N
ALT1	12	5	2	ALTERATIONS (C1-2)	K			N	N	2	BLNK	Y		N
ALT2	12	7	11	ALTERATIONS (C3-13)	K			N	N	3	BLNK	Y		N
ALT3	12	18	1	ALTERATIONS (C14)	K			N	N	2	BLNK	Y		N
STARC	12	33	2	*/** CODE (INSURV)	K			N	N	4	BLNK	Y		N
INSV1	12	43	1	INSURV NO (C1-2)	K			N	N	1	BLNK	Y		N
INSV2	12	44	1	INSURV NO (C2)	K			N	N	2	BLNK	Y		N
INSV3	12	45	3	INSURV NO (C3-5)	K			N	N	1	BLNK	Y		N
INSV4	12	48	2	INSURV NO (C6-7)	K			N	N	2	BLNK	Y		N
SUFIX	12	59	2	SUFFIX	K			N	N	1	BLNK	Y		N
U	12	66	1	U CODE	K			N	N	3	BLNK	Y		N
S	12	70	1	S CODE (SAFETY HAZARD)	K			N	N	3	BLNK	Y		N
PF	12	75	1	P-PREV/COR, F-FACIL	K			N	N	2	BLNK	Y		N
SFHRS	14	14	4	S/F MHRS EXP	K			N	N	1	BLNK	Y		N
DFFER	14	31	4	DEFER DATE	K			N	N	1	BLNK	Y		N
SFHRM	14	48	4	S/F MHRS REMAINING	K			N	N	3	BLNK	Y		N
DDYR	14	65	1	DEADLINE DATE YEAR	K			N	N	1	BLNK	Y		N
DDDAY	14	72	3	DEADLINE DATE DAY	K			N	N	1	BLNK	Y		N
ACTK1	16	12	1	ACTION TAKEN (C1)	K			N	N	1	BLNK	Y		N
ACTK2	16	13	1	ACTION TAKEN (C2)	K			N	N	2	BLNK	Y		N
SFMHS	16	23	4	S/F MHRS	K			N	N	1	BLNK	Y		N
CDYR	16	36	1	COMPLETION DATE YEAR	K			N	N	1	BLNK	Y		N
CDDAY	16	42	3	COMPLETION DATE DAY	K			N	N	1	BLNK	Y		N
AMT	16	54	3	ACT MAINT TIME	K			N	N	1	BLNK	Y		N
TI	16	61	1	TROUBLESHOOTING PERCENT	K			N	N	1	BLNK	Y		N
METER	16	71	5	METER READING	K			N	N	1	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111 1
4 - 11,111,111 11
5 - 1,111,111 111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

DATA CAPTURE DESCRIPTIONS

NAME	LINE	COL	LEN	DESCRIPTION	COMPUTED SOURCE	COMPUTED AS	FIELD NAMES	REQ FIELD	AUTO DUP	VALID CHAR	FILL CHAR	WRITE TAPE	FORMAT NUMB	FIELD CHECK REQ
CSMPS	18	5	30	CSMP SUMMARY	K			N	N	4	BLNK	Y		N
PRI	18	47	1	PRIORITY	K			N	N	1	BLNK	Y		N
TA	18	62	1	TYPE AVAILABILITY CODE	K			N	N	1	BLNK	Y		N
IUC	19	9	1	INTERMEDIATE UNIT COMM	K			N	N	1	BLNK	Y		N
TYCOM	19	18	1	TYCOM SCREENING	K			N	N	1	BLNK	Y		N
PRINT	20	79	1	PRINT VERIFY	K			N	N	5 PRIN	BLNK	Y		N

FORMAT NUMBERS
1 - 111111111
2 - 1,111,111,111
3 - 111,111,111.1
4 - 11,111,111.11
5 - 1,111,111.111
6 - 111-11-111 (SOCIAL SECURITY)
7 - 111-111-1111 (PHONE NUMBER)
8 - 11/11/11 (DATE)

VALID CHAR
1 - 0 TO 9
2 - A TO Z
3 - 0 TO 9, A TO Z, AND SPACE
4 - 0 TO 9, A TO Z, AND SPECIAL CHARACTERS
5 - SPECIFIED BY OWN CODE

COMPUTED AS
O - OWN CODE
B - BATCH
E - EXTENSION

CRT IMAGE

```
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
 1 *                          SHIP'S MAINTENANCE ACTION FORM (2-KILO)                1
 2                                                                                   2
 3  I.          UIC       W/C       JSN            APL/AEL                           3
 4             52203      ****      ****         ***********                         4
 5       SHIP'S NAME        EQUIP NOUN NAME   WND  STA  CAS  DFR                     5
 6      USS MULLINNIX       ****************   *    *    *    *                      6
 7       HULL NUMBER           IDENT/EQUIP SERIAL NUMBER          EIC                7
 8         DD 944                ************               *******                  8
 9          SH            LOCATION                   DISCOVERED DATE                 9
10          *       ********************                  ****                      10
11       ALTERATIONS                  */**     INSURV NUMBER   SUFFIX   U   S   P/F  11
12      **************                **      *******         **      *   *    *    12
13  II.     S/F MHRS EXP       DEFER DATE      S/F MHRS REM       DEADLINE DATE      13
14              ****              ****            ****            YR *  DAY ***      14
15  III.    ACT TKN     S/F MHRS    COMPL DATE      ACT MAINT   TI     METER READING 15
16            **        ****      YR * DAY ***     TIME ***     *          *****     16
17  IV.     CSMP SUMMARY                          PRI           T/A                  17
18      *****************************              *            *                   18
19      IUC *  TYCOM *  DIV INIT    DEPT INIT      COMM OFFICER              TYCOM  19
20        RMKS/DESCRIPTION                                                        * 20
    ....5...10...15...20...25...30...35...40...45...50...55...60...65...70...75...80
```

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 182 RECORDS/BLOCK: 1

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
1	KEY	1	0
2	WC1	2	1
3	WC2	2	3
4	JSN1	1	5
5	JSN2	3	6
6	APELN	11	9
7	EQNAM	16	20
8	WND	1	36
9	STA	1	37
10	CAS	1	38
11	DFR	1	39
12	IDESN	12	40
13	EIC	7	52
14	SH	1	59
15	LOC	20	60
16	DISDT	4	80
17	ALT1	2	84
18	ALT2	11	86
19	ALT3	1	97
20	STARC	2	98
21	INSV1	1	100
22	INSV2	1	101
23	INSV3	3	102
24	INSV4	2	105
25	SUFIX	2	107
26	U	1	109
27	S	1	110
28	PF	1	111
29	SFHRS	4	112
30	DEFER	4	116
31	SFHRM	4	120
32	DDYR	1	124
33	DDDAY	3	125
34	ACTK1	1	128
35	ACTK2	1	129
36	SFMHS	4	130
37	CDYR	1	134
38	CDDAY	3	135
39	AMT	3	138
40	TI	1	141
41	METER	5	142
42	CSMPS	30	147
43	PRI	1	177
44	TA	1	178
45	IUC	1	179

CASSETTE DATA RECORD LAYOUT

CHARACTERS/RECORD: 187

RECORDS/BLOCK: 1

FIELD NUMBER	FIELD	LENGTH	DISPLACEMENT
46	TYCOM	1	180
47	PRINT	1	181

APPENDIX E

SYSTEM OUTPUT LISTINGS

SAMPLE PRINTING OF

ON-LINE INTERROGATION DISPLAY IMAGES

```
DOCUMENT      YEAR 5      SERIAL # 3626

1348 ORDER

  SEND TO:                                REQUISITION FROM              PROCESS DATE
N00189  NSC NORFOLK VA                    USS MULLINNIX    DD 944           50425

DESCRIPTION  DOC ID   ROUT ID   M-S       STOCK #          U/I    QTY
J101-112       AOA       NNZ      3    5935008154721       EA  000012

SDC    UID   DATE  SERIAL   DEM    SUPP ADDR   SIGNAL
V    52203  5097   3626      R      YSOE01        A

FUND   DIST      PROJECT   PRIORITY   RDD   ADVICE   PRICE          WCC/JSN
AR      9N          EK5       06                        6.60       0E01Z000



DOCUMENT      YEAR 5      SERIAL # 3626

STATUS MESSAGE

STC                        SSTC   SUB-STOCK #                          PROCESS DATE
1                                                                          50501

DESCRIPTION  DOC ID   ROUT ID   M-S       STOCK #          U/I    QTY
               AE1       S9E      3    5935008154721       EA  000015

SDC    UID   DATE  SERIAL
V    52203  5097   3626

 YSOE01AAR 9NEK506106BJS9E     0000055



DOCUMENT      YEAR 5      SERIAL # 3626


                        NO MORE STATUS MESSAGES
```

NIIN 001201020

1114 RECORD

NSN/PART #	COG	EOI	U/I	LOC	BEGMODEM	UNIT PR	URG	MRT	E/R/C	ATC
6135001201020	9Y		PK	D0022		2.00			C	4

SUB NSN	QUANTITY	ALLOW	HIGH LIMIT	LOW LIMIT	DESCRIPTION
	000035	02020	000156	000106	BATTERY

MOVEMENTS YEAR-TO-DATE: DATE 5097 5097
QTY 000001 000001

NIIN 001201020

1348 ORDER

SEND TO:	REQUISITION FROM	PROCESS DATE
N00189 NSC NORVA	USS MULLINNIX DD 944	50416

DESCRIPTION	DOC ID	ROUT ID	M-S	STOCK #	U/I	QTY
BATTERIES	AOA	NNZ	3	6135001201020	PG	000013

SOC	UID	DATE	SERIAL	DFM	SUPP ADDR	SIGNAL
V	52203	4357	2434	R	YCWD01	A

FUND	DIST	PROJECT	PRIORITY	RDD	ADVICE	PRICE	WCC/JSN
AC	9Y	EP5	06			21.84	WD01 000

NIIN 001201020

NO STATUS MESSAGES

NIIN 001201020

STOCK BATTERY LISTINGS

05/06/75 SIM STOCK BATTERY LISTING PAGE 1

NSC	NIIN	SMIC	DESCRIPTION	LOCAT	COG	U/I	U/PRICE	ON-HAND	ORD/STK	ORD/NIS	HI/LIM	LO/LIM	REORDER	EXT-PRICE
7530	000143432		PAPER	I0000	9Q	BX	3.12	83			98	71		
6135	000503280		BATTERYDRY	S0000	1N	EA	.53	0			0	0		
5920	000602424		FUSE	A0255	9N	EA	.05	80		10	26	17		
5920	000603449		ELECTR	A0520	9N	EA	5.68	12			0	0		
7920	000610038		BRUSH	S0000	9Q	EA	1.55	0			0	0		
5120	000618543		HAMMER	S0000	9Q	EA	2.83	0			0	0		
5820	000750493		AMPLIFE	B0388	4G	EA	172.00	2			3	2	1	172.00
7510	000822649		RIBBON	D0121	9Q	EA	.25	0			210	102	210	52.50
5960	000824139		TUBE	A0195	9N	EA	.79	43			34	23		
6135	001201020		BATTERY	D0022	9Y	PK	2.00	35	13		156	106	108	216.00
5935	001226211		COVER	A0335	1H	EA	.31	2			0	0		
2825	001257117		PACKING	G0030	9Z	AY	1.30	8			19	13	11	14.30
5820	001339032		AMPLIFE	B0380	4G	EA	747.00	2			2	1		
5960	001345994		TUBE	A0208	9N	EA	1.06	10			14	9		
5960	001346031		ELECTR	A0218	9N	EA	.92	15			24	16	9	8.28
5960	001346064		ELECTR	A0287	9N	EA	1.19	1			9	2	8	9.52
5960	001346073		TUBE	A0447	9N	EA	.80	13			10	7		
5960	001346149		ELECTR	A0243	9N	EA	1.63	3			7	6	4	6.52
7930	001415888		WAX FLOOR	S0000	9Q	PL	6.18	0			0	0		
4440	001421006		CARTRI	G0160	9C	EA	6.92	0			0	0		
6810	001429290		METHYL	S0000	9G	BT	1.98	0			0	0		
6240	001433060		LAMP-I	F0064	9G	EA	.17	19			0	0		
3110	001448642		BEARING	F0130	9Z	EA	2.03	0	2	2	0	0		
6240	001522993		LAMP	S0000	9G	EA	.42	0			0	0		
6240	001522996		LIGHT BULB	S0000	9G	EA	.42	0			0	0		
3110	001556266		BEARING	I0047	9Z	EA	4.99	5			5	4		
3110	001556282		BEARING	B0169	9Z	EA	4.03	0	4		5	3		
3110	001556298		BEARING	G0006	9Z	EA	8.33	4			7	5	3	24.99

NSC	NIIN	SMIC	DESCRIPTION	LOCAT	COG	U/I	U/PRICE	ON-HAND	ORD/STK	ORD/NIS	HI/LIM	LO/LIM	REORDER	EXT-PRICE
5330	000102099		SEAL-P	A0612	9Z	EA	.88	1			1	0		
5910	000102810			A0638	9N	EA	.00	1			1	0		
5315	000103676		PIN-ST	B0082	9Z	EA	.01	1			1	0		
5315	000103689		PIN-ST	B0092	9Z	EA	.01	1			1	0		
5315	000103736		PIN-ST	A0617	9Z	EA	.01	1			1	0		
4730	000103847		PLUG-P	B0092	9C	EA	.05	1			1	0		
5910	000104873		CAPACITOR		9N	EA	.00	1			1	0		
5910	000104913		CAP	A0617	9N	EA	.00	1			1	0		
5910	000106536		CAPACIT		9N	EA	.00	1			1	0		
5910	000106667		CAP		9N	EA	.00	0			1	0	1	.00
5840	000107646		DELAY	B0390	2N	EA	407.00	2			1	0		
5840	000107647		SPARK	A0541	1N	EA	66.00	1			1	0		
5840	000107651		SPARK	A0541	1N	EA	56.00	1			1	0		
5915	000107668		FILTER		1N	EA	167.00	1			1	0		
5910	000108156		CAP	A0656	9N	EA	5.00	1			1	0		
5910	000108192		CAP	G0046	9N	EA	.00	2			1	0		
5910	000108466		CAP	A0731	9N	EA	.00	1			1	0		
5910	000108718		CAP.	A0284	9N	EA	.69	1			1	0		
5315	000110407		PIN-ST	B0096	9Z	EA	.01	1			1	0		
5310	000110634		NUT-SQ	B0096	9Z	EA	.20	1			1	0		
5315	000110741		PIN-	F0049	9Z	EA	.07	1			1	0		
4730	000112304		PLUG-P	B0072	9C	EA	.11	15			1	0		
4730	000112578		PLUG-P	B0087	9C	EA	.10	1			1	0		
4730	000113176		PLUG-P	B0090	9C	EA	.20	1			1	0		
6240	000113239		LAMP-I	F0049	9Q	EA	.31	2			1	0		
5935	000113823		CONN	B0372	9N	EA	6.90	1			1	0		
4730	000114627		NUT-TB	B0096	9C	EA	.05	1			1	0		
5310	000114646		WASHER	F0099	9Z	HD	.13	2			1	0		

REORDER CANDIDATE LISTINGS

05/06/75 SIM REORDER CANDIDATE LISTING PAGE 1

NSC	NIIN	SMIC	DESCRIPTION	LOCAT	COG	U/I	U/PRICE	ON-HAND	ORD/STK	ORD/NIS	HI/LIM	LO/LIM	REORDER	EXT-PRICE
5820	000750493		AMPLIFE	B0388	4G	EA	172.00	2			3	2	1	172.00
7510	000822649		RIBBON	D0121	9Q	EA	.25	0			210	102	210	52.50
6135	001201020		BATTERY	D0022	9Y	PK	2.00	35	13		156	106	108	216.00
2825	001257117		PACKING	G0030	9Z	AY	1.30	8			19	13	11	14.30
5960	001346031		ELECTR	A0218	9N	EA	.92	15			24	16	9	8.28
5960	001346064		ELECTR	A0287	9N	EA	1.19	1			9	2	8	9.52
5960	001346149		ELECTR	A0243	9N	EA	1.63	3			7	6	4	6.52
3110	001556298		BEARING	G0006	9Z	EA	8.33	4			7	5	3	24.99
6240	001558707		LAMP-I	F0157	9G	EA	.14	12			26	20	14	1.96
7510	001614237		PAD INK	D0105	9C	PD	.13	6			10	8	4	.52
5110	001616912		SCISSORS	D0122	9Q	PR	1.44	3			4	3	1	1.44
7520	001648950		PENCIL	D0115	9Q	DZ	2.06	1-	10	16	15	10	6	12.36
5330	001790052		RUBBERS	I0072	9Z	SY	5.29	2		12	4	3	2	10.58
5960	001794446		TUBE	C0009	9N	EA	.89	15			27	18	12	10.68
5110	001867107		CHISEL	D0042	9Q	EA	.70	5			8	5	3	2.10
7510	001886945		BINDER	D0136	9Q	EA	1.39	0			14	11	14	19.46
7510	001886956		BINDER	D0136	9Q	EA	1.56	2			10	7	8	12.48
5330	001979654		PACKING	F0029	9Z	FT	.16	35		10	77	52	42	6.72
3110	001982417		BEARING	F0054	9Z	EA	3.38	2			6	5	4	13.52
7530	002050310		PAPER	D0135	9Q	BX	1.08	5			9	7	4	4.32
7510	002051439		RUBR BND	D0114	9Q	EA	.30	2	4		9	6	3	.90
7340	002053187		KNIFE	D0065	9Q	HD	.41	19			43	28	24	9.84
7340	002053342		FORKS	D0071	9Q	HD	.85	5	30		53	35	18	15.30
5110	002217063		SCRIB	D0031	9Q	EA	.40	1			12	9	11	4.40
7330	002223521		BOOK	D0134	9Q	EA	.93	4			7	5	3	2.79
7510	002236690		PENCIL	D0109	9Q	PG	.86	0			9	7	9	7.74
7510	002236814		FASTEN	D0104	9Q	HD	.42	4			12	10	8	3.36
5120	002237396		PLIERS	D0034	9Q	EA	.44	6			10	8	4	1.76

05/06/75 NON-SIM REORDER CANDIDATE LISTING PAGE 1

NSC	NIIN	SMIC	DESCRIPTION	LOCAT	COG	U/I	U/PRICE	ON-HAND	ORD/STK	ORD/NIS	HI/LIM	LO/LIM	REORDER	EXT-PRICE
5840	000042755		AMP		4N	EA	5490.00	0			1	0	1	5490.00
5360	000047289		SPRING		9Z	EA	5.00	0			1	0	1	5.00
5910	000052800		CAPACI		9N	EA	.94	0			1	0	1	.94
5820	000057991		SUBASS		2N	EA	.00	0			3	0	3	.00
5910	000077392		CAP		9N	EA	.00	0			1	0	1	.00
5910	000106667		CAP		9N	EA	.00	0			1	0	1	.00
6685	000194643		GAGE+W		1H	EA	.00	0			0	0	1	.00
2990	000194854		RING		9C	EA	.00	0			0	0	1	.00

AUDIT TRAIL AND REJECTS LISTING

```
STOCK NUMBER = 5950006833033
ERROR  THIS ORDER # IS NOT ON FILE
       8 1A0ANNE3EA000001+V5220351052218 YF1168AAR 9NEE512                                                    50506

STOCK NUMBER = 4140007296191
TRANS  351       EA000001+                                                                                    50506
TRANS  361A0ANN03EA000001+V5220351073805 YS0E01AAR 9GEK506                                                    50506

STOCK NUMBER = 5910007647635
TRANS  7A1AE1S9E3EA 00010+V5220350933602FYN0E01AAR 9NEK506108BBS9E51900000240  15910000100200               50506
TRANS  7A1AE1S9E3EA 00010+V5220350933602 YN0E01AAR 9NEK506100BDS9E51100000240                                 50506

STOCK NUMBER = 6625007695332
TRANS  7A1AE1NNZ3EA 00001+V5220350933614 YN0E01AAR 1NEK506100BMN35     0003450                              50506
TRANS  7A1AE1N353EA 00001+V5220350933614 YN0E01AAR 1NEK506100BMN0I     0003450                              50506

STOCK NUMBER = 4820008248650
TRANS  7A1AE1S9C3EA 00004+V5220343121158 YNEB01AAR 9CEK506095BPS9C51470004120                                 50506
TRANS  7A1AE1S9C3EA 00004+V5220343121158 YNEB01AAR 9CEK506002BPS9C5C940004120                                 50506
TRANS  7A1AE1S9C3EA 00004+V5220343121158 YNEB01AAR 9CEK506343BPS9C4E650004120                                 50506
TRANS  7A1AE1S9C3FA 00004+V5220343121158 YNEB01AAR 9CEK506320BBS9C4E420004120                                 50506
TRANS  7A1AE1NNC3EA 00004+V5220343121158 YNEB01AAR 9CEK506320BMS9C     0004120                              50506

STOCK NUMBER = 5945008381920
TRANS  351       EA000001+                                                                                    50506

STOCK NUMBER = 5961008532601
TRANS  351       EA000002+                                                                                    50506
TRANS  361A0ANNE3EA000002+V5220350973648 YS0E01AAR 9NEK506                                                    50506

STOCK NUMBER = 5840008600834
ERROR  THIS ORDER # IS NOT ON FILE
       8 1A0ANNZ3EA000001+V5220350993768 YB0394AAR 1NEE513                                                    50506

STOCK NUMBER = 7930008804454          LAST 1114 PROCESS DATE = 50418
TRANS  4 1       GL000002+                                                                                    50506
TRANS  4 1       GL000002+                                                                                    50506
TRANS  4 1       GL000002+                                                                                    50506
STOCK  1 14C  9Q GL000031+    I0000405                                                SOAP     1               50506

STOCK NUMBER = 5330009424727          LAST 1114 PROCESS DATE = 50405
TRANS  8 1A5AN013SH000002+V5220350042526 YI0072AAR 9ZEE513     S9I                                            50506
STOCK  1 11K  9Z SH000002+    I0072                                                   ASBEST   1               50506

STOCK NUMBER = 5840009437518
TRANS  7A1AB1N353EA 00015+V5220350933609 YS0E01AAR 1NEK5N0002470C13C9    5172                                50506
TRANS  7A1AE1N353FA 00015+V5220350933609 YS0E01AAR 1NEK506101BVN3E5C900000290                                 50506
TRANS  7A1AE1N353EA 00030+V5220350973628 YS0E01AAR 1NEK506108BVN3E5C500000290                                 50506

STOCK NUMBER = 4310009453146
ERROR  THIS ORDER # IS NOT ON FILE
       8 1A5AN003EA000052+V5220350923566 YA0797AAR 9CEE513                                                    50506

STOCK NUMBER = 5820009811593          LAST 1114 PROCESS DATE = 50405
ERROR  THE UNIT OF ISSUE ON THIS CHANGE DOES NOT AGREE WITH THE 111
       8 1A4ANJZ3EA000007+V5220350983754 YB0378AY6 4GEE506   NDN3E                                            50506
```

OUTSTANDING ORDERS AND STATUS LISTING

1348 STATUS SELECTION LISTING DATE: 5209

COMPLETE LISTING BY WORK CENTER CODE

WCC: EB01

DOC-ID	ROUT-ID	M&S	STOCK-NUMBER	UI	QUANTITY	DOCUMENT-NUMBER	DEM/ SUFF	SUPP-ADD	SIG/ HOLD	FUND	DIST	REMAINING-DATA-FIELDS
A0A	NNZ	3	2825003080994	EA	000001	5220330681980	R	YNEB01	A	AR	1H	EK506 0017600
A0A	NNZ	3	0000-CF8-3481	EA	000002	5220343000937	N	YNEB01	A	AR		EK506 0020000
AE1	NNZ							YNEB01	A	AR	XX	EK5N0018974A0083V0775017
AE1	NNZ							YNEB01	A	AR	XX	EK506317BVNNZ4318
AE1	NNZ							YNEB01	A	AR	XX	EK506310BDNNZ4311
A0A	NNZ	3	4820008248650	EA	000004	5220343121158	R	YNEB01	A	AR	9C	EK506 0016480
AE1	S9C							YNEB01	A	AR	9C	EK506095BPS9C51470004120
AE1	S9C							YNEB01	A	AR	9C	EK506095BPS9C51470004120
AE1	S9C							YNEB01	A	AR	9C	EK506002BPS9C50940004120
AE1	S9C							YNEB01	A	AR	9C	EK506343BPS9C43650004120
AE1	S9C							YNEB01	A	AR	9C	EK506320BBS9C43420004120
AE1	NNC							YNEB01	A	AR	9C	EK506320BMS9C 0004120
A0A	NNZ	3	2825009917081	EA	000002	522034316W034	R	YNEB01	A	AR	9C	EK003 0106200
AE1	S9C	W			00001			YNEV01	A	AR	1H	EK003092BAS9C 0053100
AE1	S9C	W			00001			YNEV01	A	AR	1H	EK003060BPS9C52100053100
AE1	S9C	W			00001			YNEV01	A	AR	1H	EK003053BPS9C52030053100
AS1	S9C	W			00001		G	YNEB01		AR	9C	35103SW0700BK26137860
A0A	SCC	W			00001		G	YNEB01	A	AR	9C	EK003999 S9CAA 0053100
AE1	S9C	W			00001		G	YNEB01	A	AR	9C	EK003352BAS9C43540053100
AE1	S9C	W			00001		G	YNEB01	A	AR	9C	EK003348BAS9C 0053100
AE1	S9C	W			00001		G	YNEB01	A	AR	9C	EK003351BAS9C 0053100
AE1	S9C	W			00001		F	YNEB01	A	AR	9C	EK003351CSS9C 0053100
AE1	S9C	W			00001		G	YNEB01	A	AR	9C	EK003321BBS9C50460053100
AE1	S9C	W			00001		E	YNEB01	A	AR	9C	EK003321CSS9C 0053100
A0A	NNZ	3	4820007622859	EA	000002	5220343202050	R	YNEB01	A	Y6	2H	EK506 5G 0000000
A0A	NNZ	3	7010003880989	EA	000002	522035015W739	R	YNEB01	A	AR	1H	EK003 0020400
AE1	N3G	W						YNEB01	A	AR	S1H	EK0N0010475V6160 5224
AE1	N3G	W						YNEB01	A	AR	S1H	EK006021BVN3550700010200
AE1	N3G	W						YNEB01	A	AR	S1H	EK006017BBN3552870010200
A0A	NNZ	3	000000CF83481	EA	000002	5220350643384	R	YNEB01	A	AR	1H	EK506 0030000
AE1	NNZ							YNEB01	A	AR	1H	EK506111BVNNZ5112
AE1	N3G							YNEB01	A	AR	1H	EK506086BTN35
A0A	NNZ	3	S-3636	EA	000002	5220350933600	N	YNEB01	A	AR		EK506 0002000
AE1	NNZ							YNEB01	A	AR	XX	EK506108BDNNZ5109
A0A	NNZ	3	L-65	EA	000003	5220350933603	N	YNEB01	A	AR		EK506 0002400
AE1	NNZ							YNEB01	A	AR	XX	EK506108BDNNZ5109
A0A	NNZ	3	4530002769885	EA	000012	5220350933606	R	YSEB01	A	AR	9C	EK506 0003864
AE1	S9C							YSEB01	A	AR	9C	EK506101BBS9C52510000322
A0A	NNZ	3	4530002769843	EA	000012	5220350933607	R	YSEB01	A	AR	9C	EK506 0005004

LOCAL CSMP REPORT - OPTION B

CURRENT SHIPS MAINTENANCE PROJECT REPORT 1 - OPTION B PRINTED 22MAY75

SUMMARY BY WORK CENTER

USS MULLINNIX DD 944 UIC-52203 PAGE- 001

WORK CENTER 0E01

JSN	NOUN NAME	IDENT	CSMP SUMMARY	HOURS EXP	DEFR DATE	DEFR REAS	PRI	SCRN ACTN	---DEF. S/F	MAN HOURS--- IMA	DEP	DEAD DATE
C974	AN/SPS-40C	A8	REPAIR SHIP'S HEAD MARKER	0002	5029	1	3		0010			

1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	5950009954733	00001	EA	5099	P31V	57039660
1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	6810002979540	00004	BT	5099	P31V	57039660
1348	STOCK NUMBER	QUANT	UI	DOCUMENT NUMBER		REMAINING DATA FIELDS
	6810002979540	000004	BT	V52203 5107 3[illegible]12		EK506 0001472
1348	STOCK NUMBER	QUANT	UI	DOCUMENT NUMBER		REMAINING DATA FIELDS
	5950009954733	000001	EA	V52203 5099 3[illegible]72		EK506 0035100

JSN	NOUN NAME	IDENT	CSMP SUMMARY	HOURS EXP	DEFR DATE	DEFR REAS	PRI	SCRN ACTN	---DEF. S/F	MAN HOURS--- IMA	DEP	DEAD DATE
C997	AN/SRC-21	F-9	REPLACE PHONE JACK	0001	5006	2	2		0002			

1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	3430 28200	00001	EA	5079	QD3S	57112100
1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	5820009913440	00001	EA	5079	QD3S	57112100
1348	STOCK NUMBER	QUANT	UI	DOCUMENT NUMBER		REMAINING DATA FIELDS
	5820009913440	000001	EA	V52203 5119 3[illegible]15		EK506 0008800
1348	STOCK NUMBER	QUANT	UI	DOCUMENT NUMBER		REMAINING DATA FIELDS
	343-0282-00	000001	EA	V52203 5093 3[illegible]81		EK506 0003000

JSN	NOUN NAME	IDENT	CSMP SUMMARY	HOURS EXP	DEFR DATE	DEFR REAS	PRI	SCRN ACTN	---DEF. S/F	MAN HOURS--- IMA	DEP	DEAD DATE
C998	TSEC/KG-14	3136	TEMPEST REQUIREMENT	0001	5079	2	2		0002			

CURRENT SHIPS MAINTENANCE PROJECT REPORT 1 - OPTION B PRINTED 22MAY75

SUMMARY BY WORK CENTER

USS MULLINNIX DD 944 UIC-52203 PAGE- 002

WORK CENTER 0E01

1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	6625007695332	00001	EA	5079	0FC0	92600251
1348	STOCK NUMBER	QUANT	UI	DOCUMENT NUMBER		REMAINING DATA FIELDS
	6625007695332	000001	EA	V52203 5093 3714		EK506 0003450

JSN	NOUN NAME	IDENT	CSMP SUMMARY	HOURS EXP	DEFR DATE	DEFR REAS	PRI	SCRN ACTN	---DEF. S/F	MAN IMA	HOURS--- DEP	DEAD DATE
D009	AM-3729/SR	3	INOPERABLE DUE TO SALT BUILDUP	0004	5090	2	3		0003			

1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	5820009992591	00001	EA	5090	07C9	52357100
1348	STOCK NUMBER	QUANT	UI	DOCUMENT NUMBER		REMAINING DATA FIELDS
	5820009992591	000001	EA	V52203 5104 3783		EK506 0029000

JSN	NOUN NAME	IDENT	CSMP SUMMARY	HOURS EXP	DEFR DATE	DEFR REAS	PRI	SCRN ACTN	---DEF. S/F	MAN IMA	HOURS--- DEP	DEAD DATE
D011	SB-1203A/UG	D-473	XXX REPLACE JACKS	0001	5090	2	2		0004			

1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	5935008154721	00012	EA	5090	Q350	85221001
1348	STOCK NUMBER	QUANT	UI	DOCUMENT NUMBER		REMAINING DATA FIELDS
	5935008154721	000012	EA	V52203 5097 3726		EK506 0000660

JSN	NOUN NAME	IDENT	CSMP SUMMARY	HOURS EXP	DEFR DATE	DEFR REAS	PRI	SCRN ACTN	---DEF. S/F	MAN IMA	HOURS--- DEP	DEAD DATE
D013	ELECTRONICS TEST	A17	XXX REPAIR AND CALIBRATE	0003	5092	6	2					

JSN	NOUN NAME	IDENT	CSMP SUMMARY	HOURS EXP	DEFR DATE	DEFR REAS	PRI	SCRN ACTN	---DEF. S/F	MAN IMA	HOURS--- DEP	DEAD DATE
D014	AN/USM-116C	C0727	REPAIR VOLTMETER	0001	5093	6	3		0001			5093

JSN	NOUN NAME	IDENT	CSMP SUMMARY	HOURS EXP	DEFR DATE	DEFR REAS	PRI	SCRN ACTN	---DEF. S/F	MAN IMA	HOURS--- DEP	DEAD DATE
D016	AN/UPA-24B	2037	CHECK RELAY MODULE & WIRING	0003	5097	1	4		0002			

CSMP COMPLETION REPORT

PROJECT COMPLETION REPORT — PRINTED 22MAY75

SUMMARY BY WORK CENTER

USS MULLINNIX DD 944 UIC-52203 — PAGE- 001

WORK CENTER 0E01

JSN	NOUN NAME	IDENT	CSMP SUMMARY	HOURS EXP	DEFR DATE	DEFR REAS	PRI	SCRN ACTN	---DEF. S/F	MAN HOURS--- IMA	DEP	DEAD DATE
0951	AN/SRC-20	F358	REPLACE 500 BLOCK	0006	5051	2	3		0009			

1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	5820008089763	00001	EA	5051	0D3R	57112000
1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	5820000750495	00001	EA	5101	0D3R	57112000
1348	STOCK NUMBER	QUANT	UI	DOCUMENT NUMBER		REMAINING DATA FIELDS
	5820000750495	000001	EA	V52203 5104 3[illegible]		EK506 50 0000000
1348	STOCK NUMBER	QUANT	UI	DOCUMENT NUMBER		REMAINING DATA FIELDS
	5820008089763	000001	EA	V52203 5093 3[illegible]		EK506 0009400

JSN	NOUN NAME	IDENT	CSMP SUMMARY	HOURS EXP	DEFR DATE	DEFR REAS	PRI	SCRN ACTN	---DEF. S/F	MAN HOURS--- IMA	DEP	DEAD DATE
0972	SB-1505C/SP	A10	REPLACE LIGHT BULBS	0001	5027	2	4		0001			

1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	5961006532601	00002	EA	5058	P90V	85215003
1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	5961007291059	00001	EA	5058	P90V	85215003
1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	5961000520666	00002	EA	5058	P90V	85215003
1250	STOCK NUMBER	QUANT	UI	MRD	EIC	APL/AEL
	4210 E14	00001	EA	5058	P90V	85215003
1348	STOCK NUMBER	QUANT	UI	DOCUMENT NUMBER		REMAINING DATA FIELDS
	5961000520666	000002	EA	V52203 5097 3[illegible]		EK506 0000244

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