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Termination for Convenience Decision Support Model

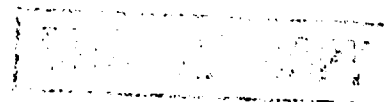
OPERATIONS RESEARCH AND ECONOMIC ANALYSIS OFFICE



DEPARTMENT OF DEFENSE

DEFENSE LOGISTICS AGENCY

April 1991



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**Termination for Convenience
Decision Support Model**

**DEPARTMENT OF DEFENSE
DEFENSE LOGISTICS AGENCY
OPERATIONS RESEARCH AND ECONOMIC ANALYSIS OFFICE
CAMERON STATION
ALEXANDRIA, VA 22304-6100**

April 1991



DEFENSE LOGISTICS AGENCY
HEADQUARTERS
CAMERON STATION
ALEXANDRIA, VIRGINIA 22304-6100



IN REPLY
REFER TO

FOREWORD

The Defense Logistics Agency (DLA) Contracting Directorate and Directorate of Supply Operations jointly asked the DLA Operations Research and Economic Analysis Management Support Office (DLA DORO) to review existing policies and procedures for terminating procurements for material considered excess to current requirements. They also asked for an analytic computer model to determine under what circumstances it is cost effective to cancel or terminate excess procurements.

The Terminations Model was developed by DLA DORO in response to the request. It standardizes and streamlines the termination process. It also provides key insights to the various elements of cost for holding versus terminating and reprocurring stock. This report is a User's Guide and Technical Description for the Terminations Model. It is intended as a desk reference for DLA Item Managers and other end users of the model.

[Signature]
ROGER C. ROY, Col, USAF
Assistant Director
Policy and Plans



Accession For	
NTIS GRA&I	☒
DWIC I&R	
Unannounced	
Justification	
By	
Distribution	
Availability Codes	
Dist. Special	
A-1	

Desk Procedures For
The DI Termination Decision Aid

June, 1990
Updated: March, 1991

Background and Introduction

Item Managers at each of DLA's Item Control Points are faced with decisions about canceling procurements for excess on-order material. These decisions are often difficult to make because the necessary calculations are complex and the needed data is not readily available. For example, when termination of an existing contract is considered, the decision should hinge on a calculation of the cost to accept and then store the on-order material as compared to the cost to terminate and then, subsequently, reorder the material. To properly estimate the economic impact of terminating some or all of the outstanding procurements for a given NSN, many costs need to be determined; i.e., the time at which the excess items will be received into the DLA system, the quantity of excess items and the time the excess items will remain in storage. In addition, the following costs should be determined; the depot receipt costs, the depot storage costs, the obsolescence and shrinkage costs, the administrative costs for processing terminations and the administrative costs to reorder.

In an effort to solve this problem, DORO was asked to develop a computer model which would aid Item Managers when they make these calculations. Unfortunately, a lot of data is required to make these calculations and therefore, we also developed a system of linked computer programs and procedures which can be used to download and transfer the data from SAMMS to the Item Manager's PC. Once the necessary data is loaded onto the Item Manager's PC, the Termination Model can be run and the economic impact of contract termination determined.

This manual is intended to assist Inventory Managers as they learn to use the Termination Model. The description of the various menus and screens is arranged in a manner similar to the way the model itself operates.

Desk Procedures

The Termination Model, when fully implemented, will be accessed through a menu selection from within the AIMS system. An alternative method of access is through a batch program which must reside on the Item Manager's PC.

Installation of the Batch Program. If the termination model is to be accessed using this method, the batch program will have to be installed on each Item Manager's PC. This will be done by Center Personnel. If it is a part of the AIMS system, the logon program will be an menu option within AIMS.

DI-Logon Program. Regardless of the method used to access the termination model, the first program to execute checks the user's DMINS logon and password. Once the proper access and authorization levels are determined the user will see the screen shown in Figure 1. If the user only has one valid ORC, then the first selection [F1] will not be displayed.

Figure 1
DI LOGON SCREEN

Termination Decision Aide	
Default orc: rll	Default date: 01/01/80
Menu Selections Available	Key
Change default ORC	F1
MSN review	F2
Analysis of Due-in	F3
Summary of processing for Due-in	F4
Change default date	F5
Process 1128's	F6
Exit	etc

Selection [F1]. This selection allows the user to change the default ORC used to select DI data for review. The program uses the AIMS logon files to determine the allowed ORCs. If the user is allowed more than one ORC then this function will allow them to select the desired ORC (see Figure 2).

Figure 2
Default ORC

You may currently look at the due in studies for all orc's. By entering a specific ORC, only those due in studies will be displayed. An illegal entry or a carriage return will not change the default orc. Enter new orc :

Selection [F2]. This selection is the primary program within the termination model system. Making this selection will list NSNs for review (see Figure 3).

Figure 3

NSN DISPLAY SCREEN

Termination Decision Aide Select NSN for Review						v 2.8
NSN	ORC	Comments	Process Code	Potential Savings	Reduction Value	
3694 00 973 8428	BB	Consider Termination	CD	567.89	15263.88	
6218 00 578 6754	BB	Consider Termination	NO	4252.89	24311.43	
6720 00 888 3623	BB	Consider Termination	NO	13342.53	95645.88	
6740 01 181 8919	BB	Consider Termination*	NO	1253.28	18896.98	
6740 01 184 6656	BB	Consider Termination*	NO	1272.11	9968.73	
6760 00 398 1763	BB	Consider Termination*	NO	1863.24	27849.48	
3655 00 829 8217	BC	Consider Accepting	NO	-3288.99	11455.28	
3655 00 996 8585	BC	Consider Termination*	NO	178.25	13714.83	
6218 00 617 8689	BC	Consider Termination*	NO	3684.68	7884.24	
6218 01 852 7483	BC	Consider Termination*	NO	12732.86	13741.28	
6218 01 879 4818	BC	Consider Termination*	NO	569.33	2788.87	
6218 01 155 9483	BC	Consider Termination*	NO	363.53	2841.28	
6218 01 221 5986	BC	Consider Accepting	NO	-1656.88	6674.88	
6238 01 175 5112	BC	Consider Termination*	NO	1192.32	16965.76	
6740 00 149 7185	BC	Consider Accepting	NO	-1139.33	5888.85	
6740 01 151 8717	BC	Consider Termination*	NO	181.42	1598.88	
3615 01 856 3445	BE	Consider Termination*	NO	1798.83	13638.28	
3655 00 488 2348	BE	Consider Termination*	NO	35.88	2146.76	

Cursor Arrow moves Bar, Hit Return to Select, ESC to Quit
* - Help available for these NSNs, Hit F10

Looking from left to right on this screen, the user will see columns with the following headings:

NSN: self-explanatory.

ORC: Out Put Routing Code - this is the ORC stored in the AIMS files.

Comments: the specific action the Termination Decision Aid has recommended through its formulation. This recommendation should be taken into account when attempting to prioritize NSNs to be worked. Each row in this column will contain one of the following comments:

Consider Termination: there is a positive potential savings by attempting termination. These NSNs are highlighted.

Consider Termination* there is a positive potential savings by attempting termination; however, the NSN has either a widely fluctuating historical demand or the NSN has provisioning requirements that may not have been taken into account in the original SAMMS calculation of excess position.

Consider Accepting: there is a negative potential savings by attempting termination. Although this would seem to indicate that no action is necessary by the Item Manager, if errors are in the original SAMMS data downloads, the actual savings may not be negative. Entering the correct data and recalculating the savings is required except where the integrity of the original data is unquestionable.

Process code: this column will have an entry of "NO" in it if processing has not been completed. Otherwise, it will reflect the appropriate completion code.

Potential savings: the potential dollar savings the Termination Decision Aid has calculated based upon the assumption that all of the data downloaded from SAMMS is correct.

Reduction value: this is the number of items recommended for reduction by SAMMS, multiplied by the NSN's Standard Unit Price.

Now that a brief description has been given about each of the elements that appear on the Termination Decision Aid screen, the user must decide which NSN to work. The user can use the [up] and [down] arrow keys to move from one NSN to another. Once a specific NSN has been selected, the user can press the carriage return key [cr].

The screen (Figure 4) will show the NSN selected by the user along with the various menu selections available. Each menu selection or option is assigned to a specific function key ([F1],..., [F10]). These function keys allow the user to view or modify pertinent data used by the program in the calculation of the termination savings. Each selection is described below:

Figure 4

MAIN MENU SCREEN

Termination Decision Aide	
National Stock Number 6505 00 066 1875	
Menu Selections Available	Key
view or modify Due-in data	F1
view or modify Additional Requirements	F2
view or modify SAMMS data	F3
view historical demand data	F4
view or print asset balances	F5
view or modify shelf life parameters	F6
view or modify expiration data	F7
view or modify phased delivery schedule	F8
review note pad	F9
calculate savings	F10
NSN selection	esc

Press 'R' to set section level review flag

In addition to displaying the various Menu Selections, this screen also allows for the review level flag to be set. This flag is used to allow model users to track the levels of management which have actually reviewed the termination decision.

Selection [F1] (Figure 5): this selection will allow the user to view or modify contract data applicable to the selected NSN.

Figure 5

CONTRACT AND PURCHASE REQUEST MODIFICATION SCREEN

Dues-In Data						
National Stock Number 6720 00 888 9628						
Recommended qty to cancel: 487						
Forecast Purchase Price: 193.88						
Cancel Quantity	Line Quantity	Date Due In	Document Number	Line Number	Contract Unit Price	Vendor Name
0	11	98212	7B616188478176	Y_X03	8.00	
0	200	98281	DLA40990CS160	0001AA	215.00	
0	200	98311	DLA40990CS160	0001AB	215.00	
92	200	98341	DLA40990CS160	0001AC	215.00	
200	200	91806	DLA40990CS160	0001AD	215.00	
115	115	91836	DLA40990CS160	0001AE	215.00	

use the arrow keys to scroll data, 'C' to change data,
'P' to change predicted price, or 'esc' to return to previous screen

In the upper right hand corner of this screen the user will see the "Forecast Purchase Price" for the selected NSN. The Forecast Purchase Price is estimated by reducing the Standard Unit Price by a factor based upon the Center's surcharge rate. This price is used as the default unit price for all purchases for which the indicated Unit Price is zero and for all purchases the model assumes will be made in the future.

The first column of figures is the "Cancel Quantity" for that specific contract or purchase request line. This quantity is determined by the model and should only be used as a guide. The Item Manager should carefully review the outstanding contracts and decide how they would like to allocate the total reduction quantity among the various outstanding contracts and purchase requests.

The other columns displayed on the screen are self explanatory.

The user can page up and down through the Dues-Ins if there are more than can be displayed on one screen by using the page up and page down keys.

The user can modify the data by pressing the [p] or the [c] keys. This moves the cursor into the either the purchase price window or the contract data window. The arrow keys can be used to position the cursor. Once the cursor is over the character to be changed, the correction can be entered. After all corrections are entered, hitting [cr] saves the new values while pressing the [Esc] key deletes the changes. Pressing the [Esc] key again returns the user to the screen shown in Figure 4.

If the [x] key is pressed, another screen will be displayed. This screen (Figure 6) is intended for use with some Clothing and Textile Items.

Figure 6

ITEM REALLOCATION SCREEN

Dues-In Data					
National Stock Number: 6505 00 015 1127					
Recommended qty to cancel: 548					
PG Total Reallocation Qty: 3000					
Alternative Can. Qty	Reallocate Quantity	Original Can. Qty	Contract Quantity	Document Number	Line Number
184	188	284	284	DLA12898C8432	8881AA
8	8	122	138	DLA12898C8432	8881AB
8	8	132	132	DLA12898C8432	8881AC
8	8	98	98	DLA12898C8432	8881AD

type 'C' to change data, or 'Esc' to return
NSN Total Reallocated: 188

For some C&T items, having some of the excess items manufactured to meet another NSN's specification can be a cost effective alternative to outright cancellation. Based upon the recommended reduction quantity and the amount that the Procurement Group falls below it's Acquisition Objective, a reallocation quantity and a modified reduction quantity are displayed on this screen. The difference between the Procurement Group's Total Applicable Assets and the Procurement Group's Acquisition Objective is indicated at the top of the screen. The total number of items of this NSN that the Inventory Manager has decided to reallocate is indicated at the bottom. The user can change the data presented on this screen in a manner similar to the normal Dues-In screen described above.

Selection [F2] (Figure 7): this selection will allow the user to view or modify additional requirements applicable to the selected NSN. The first column on this screen (Figure 7) is the quantity expected to be required and the second column is the Julian date.

When the [c] key is pressed, the user can change the default values of the additional requirements and enter new values. These requirements can be in the form of any of the following non-recurring requirements; special program requirements (sprs), map requirements, provisioning requirements, or other non-recurring requirements. After all corrections are entered, hitting [cr] saves the new values, while pressing the [Esc] key deletes the changes. Pressing the [Esc] key again returns the user to the screen shown in Figure 4.

Figure 7

REQUIREMENTS MODIFICATION SCREEN

Additional Requirements	
National Stock Number 6505 00 066 1875	
Quantity	Julian Date
0	00000
0	00000
0	00000
0	00000
This Data Includes all SPR, MAP, PROVISIONING and Other Non-Recurring Requirements on the SSCF. type 'P' to have future demand based on POI, 'C' to change data, or 'esc' to return to previous screen	

Based upon the SAMMS system, for items with POI demand (from the Clothing and Textile Commodity), that data can be found in the requirements section of the Standard Supply Control Study. For those NSNs, if the [p] key is pressed, then, for the period indicated, daily demand will be increased by the total additional requirement divided by the number of days in that period.

Selection [F3] (Figure 8): this selection will allow the user to view or modify SAMMS asset data applicable to the selected NSN.

Figure 8

SAMMS ITEM DATA MODIFICATION SCREEN

SAMMS Data	
NSN 6500 00 000 1000	
Variables	Value
ORC:	JL
date down loaded:	91035
quarterly forecast of demand:	109
procurement cycle quantity:	300
administrative lead time:	90 days
production lead time:	150 days
calculated procurement lead time:	240 days
reorder point:	687
total quantity due-in:	1515
quantity recommended for termination:	440
total applicable assets:	1515
issuable SOH (change on P7 screen):	0

Hit 'D' to recalculate Demand, 'L' to recalculate Lead Times
 'C' to change other data or 'esc' to return to previous menu
 * these data elements are dependent upon each other

The first column on this screen (Figure 8) indicates the name of the various parameters downloaded from SAMMS and the second column indicates the value for that parameter. A brief description of these data elements is below:

Orc: this value is in the form of a two digit code.

Date Down Loaded: the date that the program down-loaded information from the mainframe to run the Termination Decision Aid. This value is in the form of a five digit Julian date (which coincides with the SSCS date).

Quarterly Forecast of Demand: this value is the QFD as stored in SAMMS for non-NSO items, and for NSO items, it is the historical yearly demand divided by four.

Procurement Cycle Requirements: this value is the value stored in SAMMS and is equivalent to an Economic Order Quantity.

Administrative Lead Time: this value is also stored in SAMMS.

Production Lead Time: self-explanatory.

Calculated Procurement Lead Time: this is the sum of the administrative lead time and the production lead time values and is recalculated automatically.

Reorder Point: this is another value taken directly from SAMMS.

Total Quantity Due-In: this value is the sum of the Due-Ins. It includes contracts, recommended buys, purchase requests and customer returns. If changes are made to the contract quantity on the procurement review screen, those changes must also be entered here by the Inventory Manager.

Quantity Recommended for Termination: this is the value calculated by SAMMS using the current management policy table criteria. Please note that the Termination Model does not recompute this quantity.

Total Applicable Assets: these assets are all of the assets applied by SAMMS to offset requirements.

Total Stock On-Hand: this is the sum of the Assets displayed on the F7 screen for shelf-life items. For other items, it is the Total Applicable Assets less the quantity due-in.

Because the Quarterly Forecast of Demand, the Procurement Cycle Quantity, the Lead Times, and the Reorder Point data elements are all dependent upon each other, there are three methods of modifying the data displayed on this screen as described by the following:

When the [c] key is pressed, the arrow key can be used to position the cursor over the character to be changed and the user can change any of the displayed values. After all corrections are entered, hitting [cr] saves the new values, while pressing the [Esc] key deletes the changes. Pressing the [Esc] again returns the user to the screen shown in Figure 4.

When the [d] key is pressed, the arrow key is positioned over the Quarterly Forecast of Demand and the user can change this value. Pressing [cr] accepts the change, displays revised values for the Reorder Point and the Procurement Cycle Quantity and returns the user to the screen shown in Figure 8. Pressing the [Esc] key instead deletes the changes and then returns to the screen shown in Figure 8. Pressing the [Esc] key again returns the user to the screen shown in Figure 4.

When the [l] key is pressed, the user can perform a similar revision except the cursor is initially placed over the lead time values. Pressing [cr] accepts the change, displays revised values for the Reorder Point and the Economic Order Quantity and then returns to the screen shown in Figure 8. Pressing the [Esc] key deletes the changes and then returns to the screen shown in Figure 8. Pressing the [Esc] again return the user to the screen shown in Figure 4.

If the item has a numeric stockage objective (NSO), an alternative screen is shown (Figure 9). It should be noted that the DLA policy sets the reorder point and the level of items considered excess for these items and that special problems may occur due to these policies. To help work around these problems, in certain circumstances, a revised reduction quantity may be displayed.

Figure 9

NSO ITEM DATA MODIFICATION SCREEN

SNAPPS Data	
NSN 6710 01 012 8953	
Variables	Value
ORC:	EE
date down loaded:	90099
*SCF NSO quantity (est. annual demand):	5
*procurement cycle quantity:	2
administrative lead time:	176 days
*production lead time:	281 days
calculated procurement lead time:	457 days
*reorder point (1/2 of NSO qty):	3
total quantity due-in:	7
quantity recommended for termination:	7
total applicable assets:	7
stock on hand:	0
revised reduction quantity:	2
hit 'D' to recalculate Demand, 'L' to recalculate Lead Times	
'C' to change other data or 'esc' to return to previous menu	
* - these data elements are dependent upon each other	

Revised Reduction Quantity: this number is displayed when the Total Applicable Assets is less than or equal to the Numeric Stockage Objective. It is calculated by subtracting the Numeric Stockage Objective from the Total Applicable Assets.

Selection [F4] (Figure 10): this selection allows the user to view historical demand data applicable to the selected NSN.

Figure 10

HISTORICAL DEMAND SCREEN

Historical Demand Data					
National Stock Number 6720 00 888 3623					
	-1QTR	-2QTR	-3QTR	-4QTR	Average
Recurring Demand	325	152	125	99	175
Non-Recurring Demand	16	3	0	1	5
Total Demand	341	155	125	100	180
Quarterly Forecast of Demand					186

hit esc when finished

This screen shows the demand history for the four previous quarters broken into two categories: recurring demand and non-recurring demand. It also shows the SAMMS Quarterly Forecast of Demand and an average of the total demand for the previous four quarters.

Selection [F5] (Figure 11): this selection displays the starting inventory balance for the NSN, the expected monthly forecast of demand, the current schedule of procurement deliveries and additional requirements, the calculated total assets-on-hand, and the number of months of supply that this total represents. If the space bar is pressed, the dues-ins will be adjusted based upon the quantities recommended for termination, the various balances recomputed and another screen will be redisplayed. From either screen, if the [p] key is pressed, this screen will be sent to the printer, [F6] displays the notepad, and [esc] returns to the previous screen.

Figure 11

DELIVERY SCHEDULE SCREEN

NSN - 6505 00 015 1527									
Current Delivery Schedule									
Date	Start	Qty	Due In	Total	Back Ordered	Add Reqmt	MFD	Total Assets	Months Supply
Jul 90	0	342		342	0	0	0	342	99..
Aug 90	342	0		342	0	0	0	341	99..
Sep 90	341	0		341	0	0	0	341	99..
Oct 90	341	222		563	0	0	0	563	99..
Nov 90	563	0		563	0	0	0	562	99..
Dec 90	562	0		562	0	0	0	562	99..
Jan 91	562	0		562	0	0	0	562	99..
Feb 91	562	0		562	0	0	0	561	99..
Mar 91	561	0		561	0	0	0	561	99..
Apr 91	561	0		561	0	0	0	561	99..
May 91	561	0		561	0	0	0	560	99..
Jun 91	560	0		560	0	0	0	560	99..
Jul 91	560	0		560	0	0	0	560	99..
Aug 91	560	0		560	0	0	0	559	99..
Sep 91	559	0		559	0	0	0	559	99..
Oct 91	559	0		559	0	0	0	559	99..
Nov 91	559	0		559	0	0	0	558	99..
Dec 91	558	0		558	0	0	0	558	99..

Ps-Notepad, F6-Previous Menu, P-Print Screen, Space-Adjusted Schedule

Selection [F6] (Figure 12): this selection allows the Inventory Manager to review the various Shelf Life Parameters of the NSN.

The Shelf Life Code and Shelf Life Months data elements are copied from the Supply Control Study. The next number represents the number of months an item remains in class J before it is discarded or, if it is extendible, the number of months it takes to inspect and then returned to stock in condition code A. The next value displayed indicates whether the item is usually able to be inspected and returned to stock. The last value is an estimate of the disposal cost for those items that are in fact discarded after the shelf life expires.

Pressing the <c> key allows changes to be made to the original values. Hitting <esc> returns to the previous screen.

Figure 12

SHELF LIFE PARAMETER REVIEW SCREEN

SHELF LIFE PARAMETERS	
NSN 6595 00 015 1327	
Shelf Life Code	9
SCF Shelf Life Months	36 months
8 months item remain in class J	9 months
Could this item historically be extended ?	N
Expected disposal cost (per unit) :	35.88
Hit 'C' to change data or 'esc' to return to previous menu	

Selection [F7] (Figure 13): this selection allows the Inventory Manager to review the expiration data for the Stock-On-Hand. This screen displays the estimated expiration date for each of the various condition codes (A, B, C & J) found in asset analysis section of the Supply Control Study. Hitting the <c> key allows modifications to the quantities and dates, and hitting <esc> returns to the previous menu.

Figure 13

EXPIRATION DATE REVIEW SCREEN

Asset Shelf Life Expiration Data		
National Stock Number 6595 00 061 8765		
Shelf Life Code	Total Quantity	Expiration Date
C	8275	98238
J	121591	Exp'd
A	881311	92888
type 'C' to change data or 'esc' to return to previous screen		

Selection [F8] (Figure 14): this selection allows the Inventory Manager to review the phased delivery parameters for the NSN. Pressing <n> allows the number of shipments to be changed, with the initial allocation of contract

quantity evenly spread over the deliveries. If the <c> key is pressed, then the allocation percentages per delivery may be changed.

Figure 14

PHASED DELIVERY PARAMETER REVIEW SCREEN

Phased Delivery Schedule	
National Stock Number 6505 00 015 1327	
Number of Shipments : 1	
Shipment Number	Percentage To Ship
1	100

type 'C' to change percentage, 'N' to change the number of shipments,
or 'esc' to return to previous screen

Selection [F9]: this selection will allow the user to access a note pad enabling the user to leave a brief description of the action taken. The [F6] function key allows the user to review or establish a note pad specific to the selected NSN. This screen will allow the user to review previous actions that have been taken on the selected NSN or to describe what actions the user is now taking on the selected NSN.

Selection [F10]: if the Inventory Manager has decided to reallocate some or all of the items in excess on the Dues-In Data screen (Figures 6 and 7), the screen in Figure 15 will be displayed. Here, the user has the option of pursuing either the complete termination of the excess items [F2] or the reallocation and termination of a revised termination quantity [F1].

Figure 15

REALLOCATION SELECTION SCREEN

Asset Reallocation Routine		
National Stock Number 6905 00 015 1817		
	Quantity	Value
Original Reduction Quantity as Recommended by SAMMS:	548	25575.16
Reduction Quantity with out Reallocation, as Entered by Inventory Manager:	548	25575.16
Reduction Quantity with Reallocation, as Entered by Inventory Manager:	184	4853.68
Number of Items Planned for Reallocation:		188
Hit F1 to Calculate Savings Based Upon Reallocation Hit F2 to Calculate Savings With Out Reallocation or Hit ESC to Return to the Previous Menu		

If reallocation has not been reviewed in the Dues-In Data screen (Figures 6 and 7), then this screen is bypassed.

Before the [F7] key is pressed, however, the user should have already verified that the NSN is in an excess position and also verified the correctness of the data downloaded from SAMMS. Once the [F7] key is pressed (or the [F1] or [F2] keys when reallocation is considered), the model spends a few moments making the calculations and then the screen shown in Figure 16 is displayed.

Figure 16

SAVINGS RECALCULATION SCREEN

Calculation of Terminations Savings	
National Stock Number 6720 00 088 9623	
Savings calculated through year 20	
Savings Based upon Default SAMMS Data:	\$ 13342.53
Savings Based upon Data Changes (if any):	\$ 13342.53
Total Value of Terminated Contracts:	\$ 95645.08
If Terminated, Days Until Recorder:	188
If Not Terminated, Days Until Recorder:	389
Hit 'F1' to view asset balance graph Hit 'F5' to view notepad Hit 'enter' to complete processing of this NSN or hit 'esc' to return to the previous menu	

Savings based upon default SAMMS data: the potential savings that the Termination Decision Aid has calculated to be based upon the default data being correct.

Savings based upon data changes (if any): the potential savings that the Termination Decision Aid has calculated based on any data changes made by the user. If no changes were made to the original data, this value should equal the 'Savings Based Upon Default SAMMS data'.

Total value of terminated contracts: this is the number of items selected for reduction multiplied by the NSN's Standard Unit Price.

If terminated, days until reorder: this number represents the number of days until the reorder point is breached - given that the selected procurements are terminated.

If not terminated, days until reorder: this is the number of days until reorder point breach if the procurements are accepted.

If the [F1] key is pressed a graph of the daily asset balances will be displayed for both the "accept" and the "terminate" alternatives. This graph may be helpful in reviewing the asset position and may give the user a "feel" for the consequences of terminating a given set of contracts.

If reallocation of some or all of the excess has been selected, then the user will be given another option. Here, if the [F2] key is pressed, the NSN reallocation screen (Figure 17) will be displayed. The Inventory Manager will be requested to enter the specific NSN to which excess goods are to be reallocated.

Figure 17

NSN REALLOCATION SCREEN

Dues-In Reallocation						
National Stock Number 6505 00 015 1327						
Total Quantity to be Reallocated: 100						
In the Block Next to each Dues-In, Please Enter the NSN which will receive the reallocation quantities.						
Due Date	Document Number	Line	Vendor	Line Quantity	Reallocate Quantity	Target NSN
90180	DLA12090C0432	0001AA		204	100	

Hit 'C' to change data, 'ESC' to quit.

If the [F5] key is pressed, the user can access the notepad as previously described.

When the [cr] key is pressed, the user has decided to complete processing on the selected NSN. The screen that will appear (Figure 18) will prompt the user to enter a two digit completion code and then press [cr]. A wide variety of completion codes can be entered by the user. These codes may be Center specific. The code that is entered by the user at this point will show up in the process code column on the Termination Decision Aid menu (Figure 3).

Figure 18

COMPLETION CODE SCREEN

```

National Stock Number: 6720 00 888 3623
Enter Completion Code

Cancel - Excess Position has been Verified
  01 - Termination Savings are Indicated
  02 - Termination Savings are Not Indicated, but Cancel Anyway
Do NOT CANCEL
File Maintenance
  10 - Due-In are Invalid
  11 - Lead Times are Incorrect
  12 - Requirements are Understated
  13 - Seasonal/Erotic Demand
  14 - Customer Queries
Other
  20 - Material Shipped/Received
  21 - Minimum Production Quantity
  22 - Diminishing Manufacturing Sources Buyout/Limited Sale Source
  23 - Provisioning Item
  24 - Other
Savings not Positive
  30 - Correct Data was Entered, but No Savings Indicated

or hit 'RETURN' to return to the previous menu

```

After processing has been completed, the user may either process additional NSNs or exit from the termination model and execute any of the utilities displayed on the Logon Screen (Figure 1).

Analysis Program. Hitting the [F3] key from the Logon Screen (Figure 1) will execute the analysis program. The output is illustrated in Figure 19.

The first data element is the total number of ORCs (Output Routing Codes) having Due-In reviews. The next block of data displays the number of NSNs, the total number of Due-In studies, the dollar value of the excess quantity and the total potential savings. These are segregated into two groups based upon the NSN having either a positive or negative termination savings. The next block shows the maximum dollar value for any one NSN, the ORC having that NSN, and the average dollar value for all ORCs. The next is similar, but for the number of studies. The last block shows the distribution of the number of studies, first by the dollar value of the excess quantity and then by the dollar value of the potential savings.

Figure 19

ANALYSIS OUTPUT

DGSC DI Studies		Fri Jun 81 11:31:47 1998	
Number of ORC's	:	184	
		TOTAL	
Number of DI studies	:	1820	
Dollar value of DI's	:	22285137.50	✓ + savings 874
Dollar savings of DI's	:	5988379.49	✓ - savings 146
Max dollar value of DI's	:	1711615.36	ORC: PM
Average dollar value of item manager's DI's	:	213518.94	
Max number of DI's	:	24	ORC: UM
Average number of item manager's DI's	:	9	
Dollar Range		Value	Savings
\$5 < 0.00		0	146
0.00 <= \$5 < 10,000.00		463	766
10,000.00 <= \$5 < 50,000.00		482	52
50,000.00 <= \$5 < 100,000.00		47	9
100,000.00 <= \$5		23	7
Hit P to send output to printer, any other key to quit:			

Summary Program. Hitting the [F4] key from the Logon Screen (Figure 1) will execute the summary program. This program will generate three screens similar to the one shown in Figure 20 (one for all terminated procurements, another for terminated contracts and a third for terminated or canceled purchase requests).

Figure 20

SUMMARY SCREEN

DGSC NSN Termination Summary				81 Jun 1998	
Total of all ORCs					
code	Counts with Positive Savings # NSNs	Value	Counts with Negative Savings # NSNs	Value	
CD	4	19913.83		82286.38	
Hit escape to quit, any other key to continue					

Selection [F5]. - Changing the Default Date. The program currently uses the date stored in the PC to determine which month's data to present to the Inventory Manager for processing.

If this is not the data that the Inventory Manager would like to process, then changing to the appropriate date will cause the Termination Model to display the desired month's data (see Figure 21).

Figure 21

Default Date Menu

This function will enable the user to use a previous month's data. The correct format is 'MMYY', where MM is the month and YY is the year. For instance, Jan90 would reference January, 1990 data.

old date : May90
enter new date :

esc to leave unchanged

Selection [F6]: The 1128 worksheet contains not only data relevant to the contracts (see Figure 22) or purchase requests (see Figure 23) recommended for termination or reduction, it also contains routing information. In addition, it includes the possible savings that can be realized through termination. These savings incorporate only costs and benefits which are internal to DLA. They do not include any potential fee or penalty which may be charged by the vendor. Therefore, these savings should be compared to the vendor's fee and if the savings are greater, the termination should be pursued. If not, then the termination should not be pursued.

Figure 22

1128 Worksheet for a Contract

Requirements Termination Worksheet

Down Load Date:	90189	ORC:	BB
Date Printed:	90229	State Code:	14
		Vendor 1st Alpha:	R

Type of Termination: Partial Contract Termination
 Termination Code: CD

NSN: 6760008991769
 Document Number: DLA40089C5260____
 Vendor Cage Code: 11871

Contract Line Numbers	Cancellation Quantity	Due Date	Cancellation Type
0001AE	25	90147	Partial Line
0001AF	48	90178	Complete Line

Total Quantity to Cancel	73			
Total Value To Cancel	41063.96			
Cancellation Date	90189	90219	90249	90279
Maximum permissible vendor termination charge	8777.78	0.00	0.00	0.00

Item Manager: _____ Procurement: _____

Office/Phone: _____ Office/Phone: _____

Data Entry: _____ Value Canceled: _____

Reason if Not Canceled: _____ Uneconomical _____ Untimely

Figure 23

1128 Worksheet for a Purchase Request

Requirements Termination Worksheet

Down Load Date:	90189	ORC:	BB
Date Printed:	90229	Branch:	YL
		Buyer:	138

Type of Termination: Total Purchase Request Termination
 Termination Code: CD

NSN: 6760008991769
 Document Number: ZPG89269000342
 Vendor Cage Code: Not Applicable

Contract Line Numbers	Cancellation Quantity	Due Date	Cancellation Type	
000100	200	90322	Complete Line	
Total Quantity to Cancel 200				
Total Value To Cancel 112504.00				
Cancellation Date	90189	90219	90249	90279
Maximum permissible vendor				
termination charge	24048.72	23851.88	23656.64	23463.01

Item Manager: _____ Procurement: _____
 Office/Phone: _____ Office/Phone: _____
 Data Entry: _____ Value Canceled: _____
 Reason if Not Canceled: _____ Uneconomical _____ Untimely

Contract Termination Model

Technical Description

June, 1990

Updated: March, 1991

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PROGRAMS

Main Frame Level Processing

JCL Job # USRJMM45, Cobol Code program # USRD6001. The job should be scheduled to run after the "first requirements daily after month end". It executes the program which extracts data from the following files:

1. USS.USPA1901 - the active contract file.
2. USM.USDMSCAF - the cage or scaf file.
3. USX.USPMAPRF - the active purchase request file.
4. USM.USRB0501(-1) - the supply control study file, record type 1.
5. USM.USRB0501(-2) - the supply control study file, record type 2.
6. USR.USRMPOLT - the policy file, policy table number 11.
7. TSS.FLASHT90 - the 'Flash File' see DSAC or DPSC-Textiles for details.

This program creates two output files which contain the extracted data, an Item file (USRD6001) and a Contract File (USRD6003). After USRJAR93 executes, the two output files are downloaded to the DMINS using the UTBG35 mainframe utility. At DGSC these two files are moved to a DMINS RJEOUT d/irectory specified by the center. Within this directory, the Item file is named USRJMM45/USRJMM450 and the Contract file is USRJMM45/USRJMM451. At the other Hardware Centers, the two files are downloaded to the /usr/rjel/job directory as punch (pnch) files and then moved to the RJEOUT directory using a DMINS program (pickup.exe). Within this directory, the Item file is named USRD6001 and the Contract file is USRD6003.

At DPSC for the Clothing and Textiles Commodity, another Cobol module executes which matches against the 'Flash File.' This code is used to determine the Procurement Group's Total Assets and the Group's excess position. It also performs the reallocation quantity and alternative cancellation quantity calculations

Unix Level Processing

1. There are two shell scripts which are used. These shell scripts are stored on a Unix machine in the "DI" partition under the root directory.

usrtd000.sh. To execute usrtd100.sh in remote (nohup) mode.

usrtd100.sh. To check for the presence of the downloaded files and reschedule usrtd000.sh for the next day. If the files are present, then it is used to create an appropriate directory, rename and move the downloaded files, execute usrtd500.exe, usrtd200.exe and send mail. The directory created is under the DI root directory and takes the form of "mmmyy". The downloaded files are moved to the directory "mmmyy" and renamed. The Item file is named usrtd100.txt and the Contract file is usrtd101.txt.

2. There are two 'C' Language programs which run on the Unix machine. The first executable is usrtd500.exe, which is stored under the root directory of the DI partition. It reads three files, the Item File (mmmyy/usrtd100.txt) the Contract File (mmmyy/usrtd101.txt) and the Center's Cost Data File (usrtp100.txt). It creates the default Recommendation File (mmmyy/usrtd500.txt). The second executable is usrtd200.exe, which reads usrtd500.txt and produces summary output.

PC Level Processing

All PC programs reside on a Unix machine and when called, are read into PC memory and then executed.

usrtp000.exe. This program is the DI Logon program. It resides on the AIMS root directory and will be called by the AIMS system. Alternatively, it can be called directly from the PC. This program calls the Unix password and logon procedures and in conjunction with the three AIMS logon files (ITEMRVAP.DBF, AUTHCODE.DBF and ORCASSGN.DBF) establishes and regulates access to the DI data.

usrtp100.exe. This program is used to maintain the Center's Cost Data File (usrtp100.txt).

usrtp101.exe. This program is used to generate and maintain a file (usrtp101.txt) which contains a list of NSNs with wide seasonal swings in demand.

usrtp102.exe. This program is used to establish logon authority.

usrtp103.exe. This program copies the AIMS files (ITEMRVAP.DBF, AUTHCODE.DBF and both ORCASSGN.DBFs) from the AIMS system to directory (/di/aims) on the Unix machine which stores the Termination programs.

Both usrtp100.exe and usrtp103.exe are 'system maintenance' programs and should only be accessed by one or two persons at each center. This access is regulated with the logon and password procedures.

usrtp200.exe. This is the analysis program which is used to summarize the data contained in usrtd500.txt. Output is to the screen and a printer.

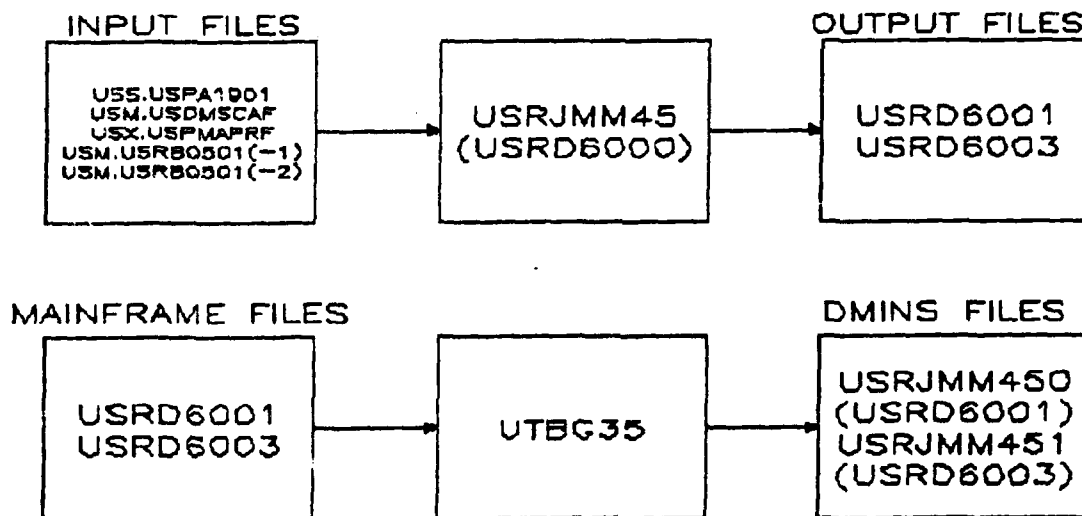
usrtp300.exe. This is the 1128 output generation program which reads the Inventory Managers Recommendation Files and creates 1128 worksheets. The output is to a printer.

usrtp400.exe. This is the summary program which is used to summarize the results of the Inventory Managers Recommendation Files. The output is to the screen and a printer.

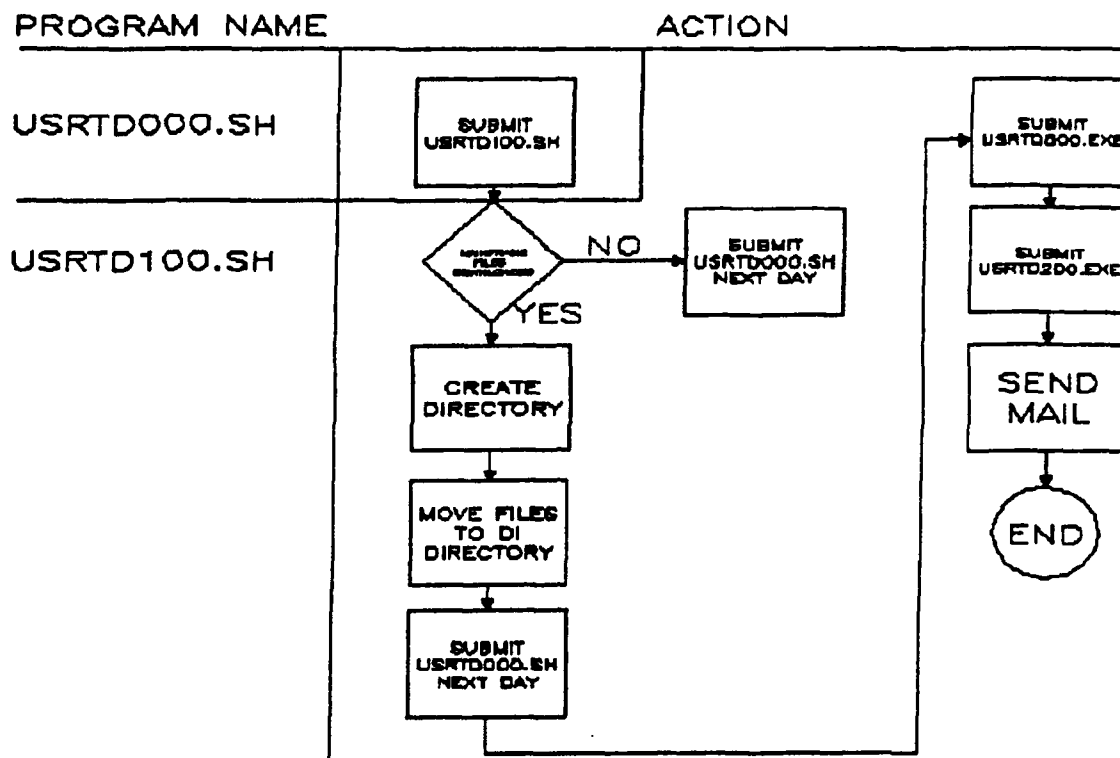
usrtp500.exe. This is the main DI program. It reads three files from the Unix machine (mmmyy/usrtdl00.txt, mmmyy/usrtdl01.txt and mmmyy/usrtd500.txt). It creates two directories (usrtp500 and mmmyy/usrtp501) and three types of files;

1. The Inventory Manager's Recommendation File (mmmyy/usrtp501/xx.txt - where xx corresponds to the Inventory Manager's Output Routing Code),
2. The Notepad File (usrtp500/XXXXXXXX.txt - where XXXXXXXX corresponds to the last eight digits of the NSN) and,
3. Temporary files (mmmyy/USRTP501/xx.tmp - where xx is the Output Routing Code) which are used to lock various records and prevent data corruption through multiple user access.
4. Print files (mmmyy/USRTP501/xx.prn - where x is the Output Routing Code) which are used to store 1128 output data when there is a printer error.

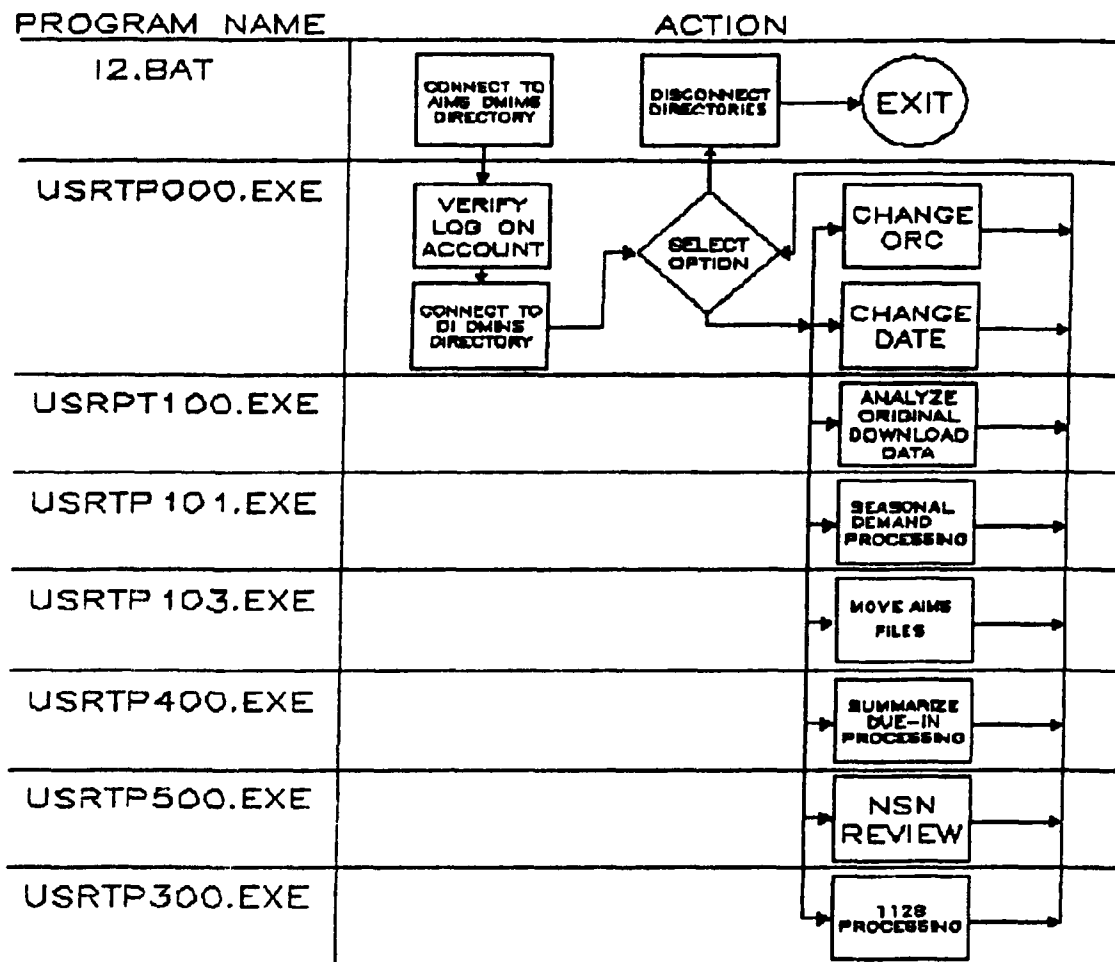
MAINFRAME LEVEL FLOW CHART



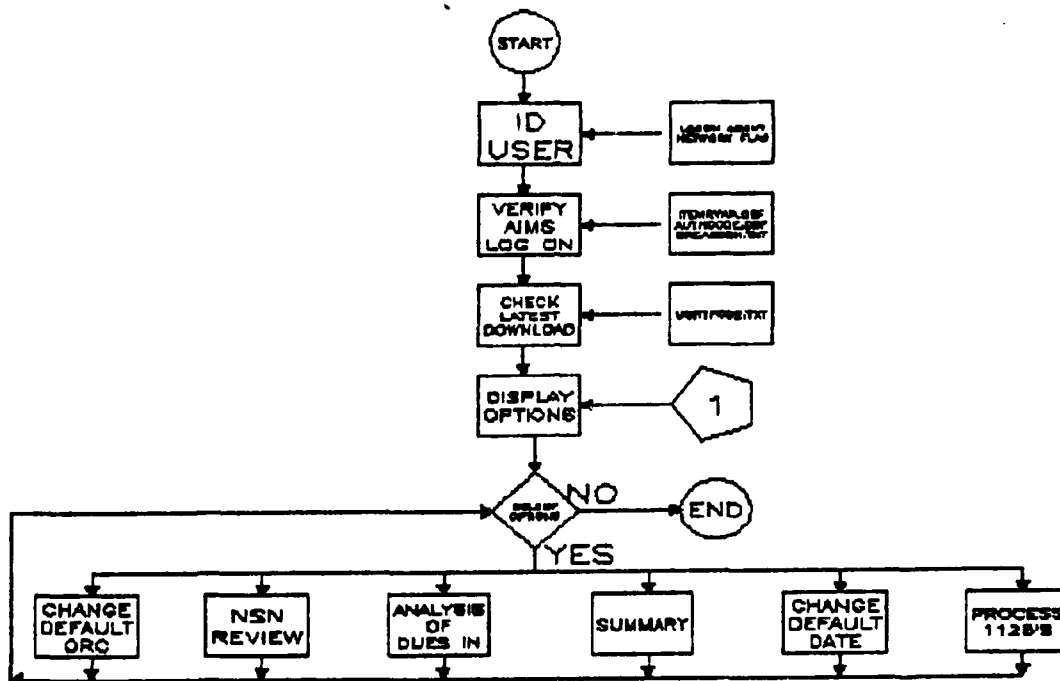
DMINS or UNIX LEVEL FLOW CHART



PC LEVEL FLOW CHART



LOG-ON (USRTP000.EXE) FLOW CHART



DI LOGON SCREEN

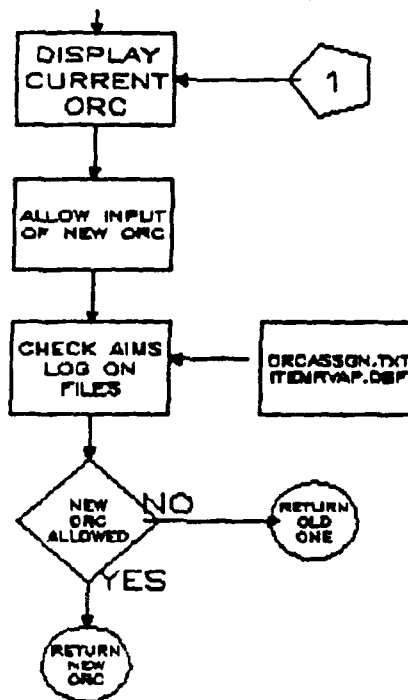
Armstrong Division Aide
Logon Screen

Default orc: JB Default date: 10/19/91

Menu Selections Available	Key
Change default ORC	F1
NSN review	F2
Analysis of Dues-in	F3
Summary of processing for Dues-in	F4
Change default date	F5
Process 1128's	F6
Change default authcode value	F7
ADD NSN's to seasonality table	F8
Copy AIMS files	F9
DI cost update program	F10
Exit	esc

CHANGE DEFAULT ORC FLOW CHART

Function called from within USRTP000.EXE

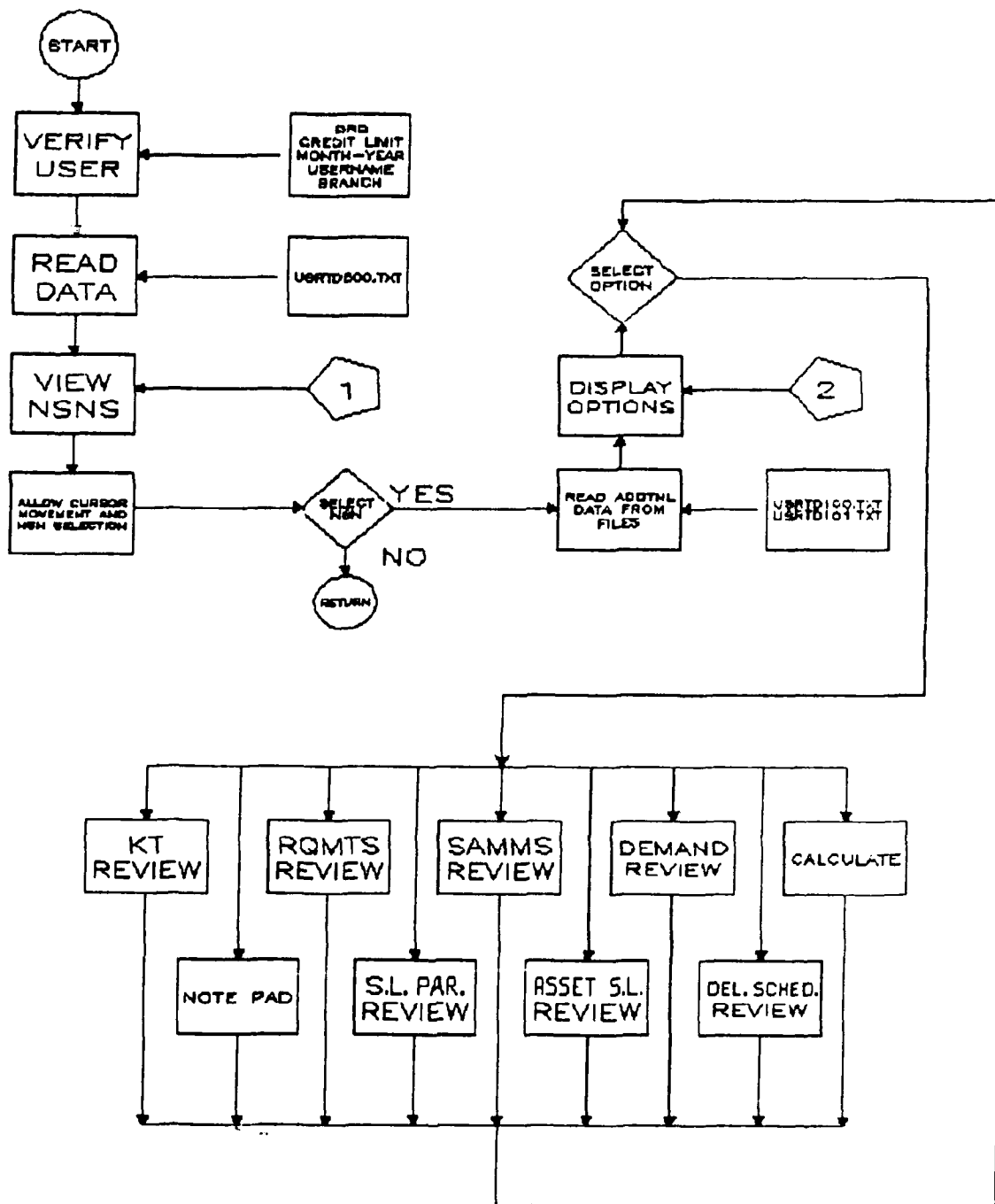


DEFAULT ORC SCREEN DISPLAY

You may currently look at the due in studies for all orc's. By entering a specific ORC, only those due in studies will be displayed. An illegal entry or a carriage return will not change the default orc.

Enter new orc :

NSN REVIEW FLOW CHART
USRTP500.EXE



NSN REVIEW SCREEN 1

Termination Decision Aide						v 2.8
Select NSN for Review						
NSN	ORC	Comments	Process Code	Potential Savings	Reduction Value	
3694 00 973 8428	BB	Consider Termination	CD	567.89	15263.88	
6210 00 578 6754	BB	Consider Termination	NO	4252.89	24311.43	
6720 00 888 3623	BB	Consider Termination	NO	13342.53	95645.80	
6740 01 181 8919	BB	Consider Termination	NO	1253.28	18896.90	
6740 01 184 6656	BB	Consider Termination	NO	1272.11	9968.73	
6760 00 398 1763	BB	Consider Termination	NO	1063.24	27849.40	
3655 00 829 8217	BC	Consider Accepting	NO	-3288.99	11455.20	
3655 00 996 8585	BC	Consider Termination	NO	178.25	13714.83	
6210 00 617 3509	BC	Consider Termination	NO	3684.68	7884.24	
6210 01 852 7483	BC	Consider Termination	NO	12732.86	13741.28	
6210 01 879 4818	BC	Consider Termination	NO	569.33	2788.87	
6210 01 155 9483	BC	Consider Termination	NO	363.63	2841.25	
6210 01 221 5986	BC	Consider Accepting	NO	-1656.88	6674.88	
6230 01 175 5112	BC	Consider Termination	NO	1192.32	16365.76	
6740 00 149 7105	BC	Consider Accepting	NO	-1139.33	5888.85	
6740 01 151 8717	BC	Consider Termination	NO	181.42	1598.88	
3615 01 056 3445	BE	Consider Termination	NO	1798.83	13638.28	
3655 00 488 2348	BE	Consider Termination	NO	35.88	2146.76	

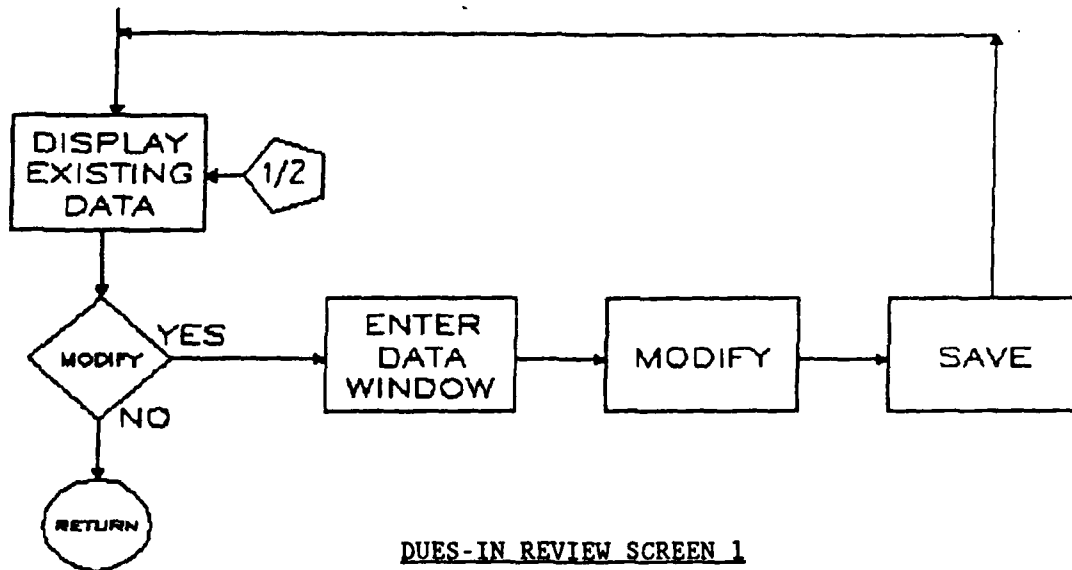
Cursor Arrow moves Bar, Hit Return to Select, ESC to Quit
 * - Help available for these NSNs, Hit F10

NSN REVIEW SCREEN 2

Termination Decision Aide	
National Stock Number 6585 00 866 1875	
Menu Selections Available	Key
view or modify Draw-in data	F1
view or modify Additional Requirements	F2
view or modify SOWSIS data	F3
view historical demand data	F4
view or print asset balances	F5
view or modify shelf life parameters	F6
view or modify expiration data	F7
view or modify phased delivery schedule	F8
review note pad	F9
calculate savings	F10
NSN selection	esc

Press 'R' to set section level review flag

DUES-IN REVIEW FLOW CHART



DUES-IN REVIEW SCREEN 1

Dues-In Data
National Stock Number 6720 00 688 3623
Recommended qty to cancel: 487
Forecast Purchase Price: 193.00

Cancel Quantity	Line Quantity	Date Due In	Document Number	Line Number	Contract Unit Price	Vendor Name
0	11	98212	FD616180478176	F_XR3	0.00	
0	200	98281	DLA4009005160	0001AA	215.00	
0	200	98311	DLA4009005160	0001AB	215.00	
92	200	98341	DLA4009005160	0001AC	215.00	
200	200	91006	DLA4009005160	0001AD	215.00	
115	115	91036	DLA4009005160	0001AE	215.00	

use the arrow keys to scroll data, 'C' to change data,
'P' to change predicted price, or 'Esc' to return to previous screen

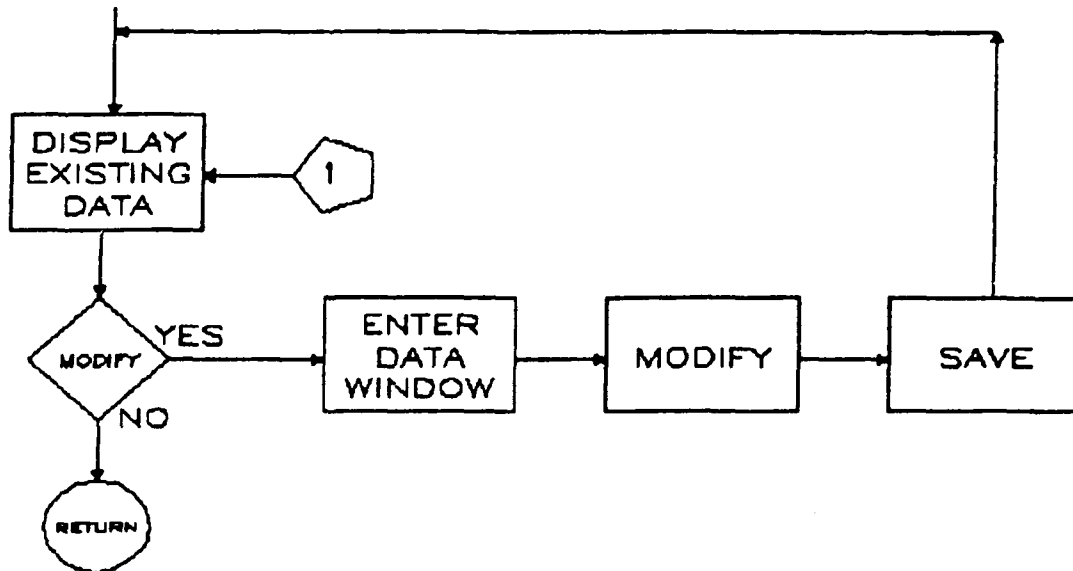
DUES-IN REVIEW SCREEN 2 (REALLOCATION)

Dues-In Data
National Stock Number 6505 00 015 1327
Recommended qty to cancel: 548
PG Total Reallocation Qty: 3000

Alternative Can. Qty	Reallocate Quantity	Original Can. Qty	Contract Quantity	Document Number	Line Number
104	100	204	204	DLA1289808432	0001AA
0	0	122	130	DLA1289808432	0001AB
0	0	132	132	DLA1289808432	0001AC
0	0	98	98	DLA1289808432	0001AD

type 'C' to change data, or 'Esc' to return
NSN Total Reallocated: 100

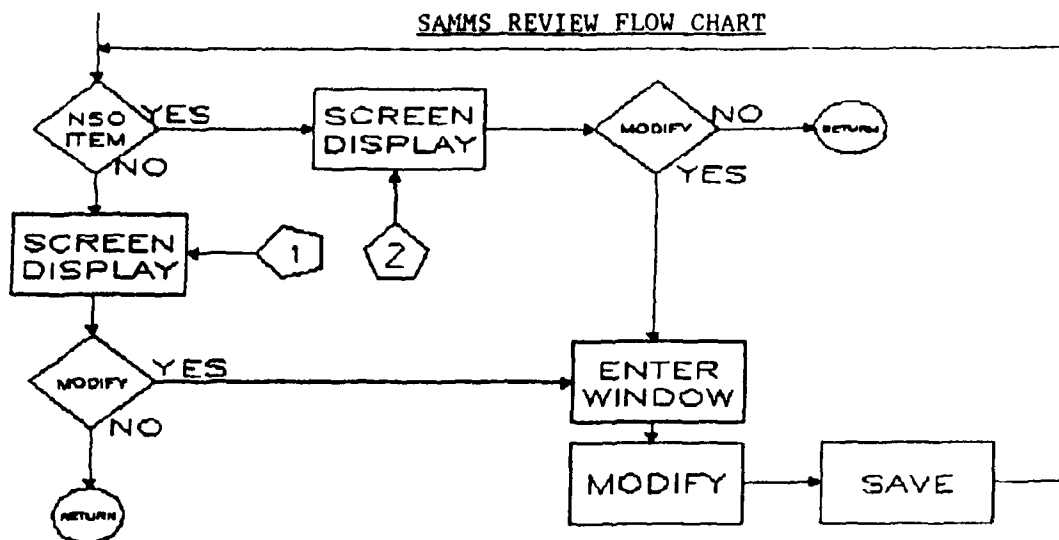
REQUIREMENTS REVIEW FLOW CHART



REQUIREMENTS REVIEW SCREEN

Additional Requirements	
National Stock Number 6505 00 066 1875	
Quantity	Julian Date
0	00000
0	00000
0	00000
0	00000

This data includes all SPR, MAP, PROVISIONING and Other Non-Recurring Requirements on the SSCP. type 'P' to have future demand based on POI, 'C' to change data, or 'esc' to return to previous screen



SAMMS DATA REVIEW SCREEN 1

SAMMS Data	
NSN 6505 00 000 1075	
Variables	Value
OHC:	JL
date down loaded:	91035
quarterly forecast of demand:	189
procurement cycle quantity:	300
administrative lead time:	90 days
production lead time:	150 days
calculated procurement lead time:	240 days
reorder point:	687
total quantity due-in:	1515
quantity recommended for termination:	448
total applicable assets:	1515
issuable SOH (change on F7 screen):	8

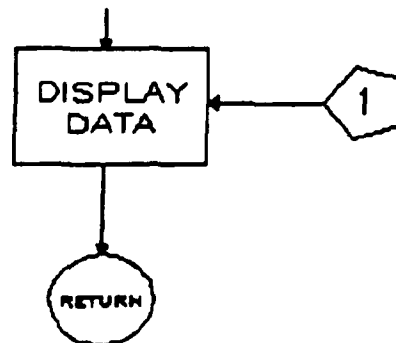
hit 'D' to recalculate Demand, 'L' to recalculate Lead Time
 'C' to change other data or 'esc' to return to previous menu
 * - these data elements are dependent upon each other

SAMMS DATA REVIEW SCREEN 2

SAMMS Data	
NSN 6710 01 012 1553	
Variables	Value
OHC:	BE
date down loaded:	90977
NSCP NSO quantity (est. annual demand):	1
procurement cycle quantity:	2
administrative lead time:	170 days
production lead time:	211 days
calculated procurement lead time:	412 days
reorder point (1/2 of NSO qty):	1
total quantity due-in:	2
quantity recommended for termination:	2
total applicable assets:	2
stock on hand:	0
revised reduction quantity:	2

hit 'D' to recalculate Demand, 'L' to recalculate Lead Time
 'C' to change other data or 'esc' to return to previous menu
 * - these data elements are dependent upon each other

REVIEW HISTORICAL DATA FLOW CHART

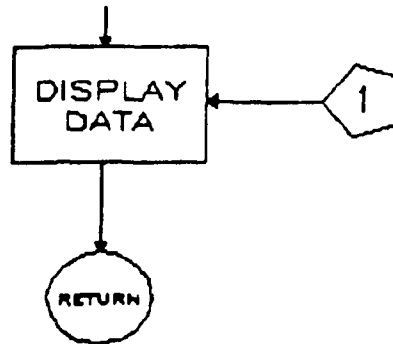


HISTORICAL DATA REVIEW SCREEN

Historical Demand Data					
National Stock Number 6720 00 888 9623					
	-1Q7R	-2Q7R	-3Q7R	-4Q7R	Average
Recurring Demand	325	152	125	99	175
Non-Recurring Demand	16	3	0	1	5
Total Demand	341	155	125	100	180
Quarterly Forecast of Demand					186

hit esc when finished

DELIVERY SCHEDULE FLOW CHART



DELIVERY SCHEDULE REVIEW SCREEN

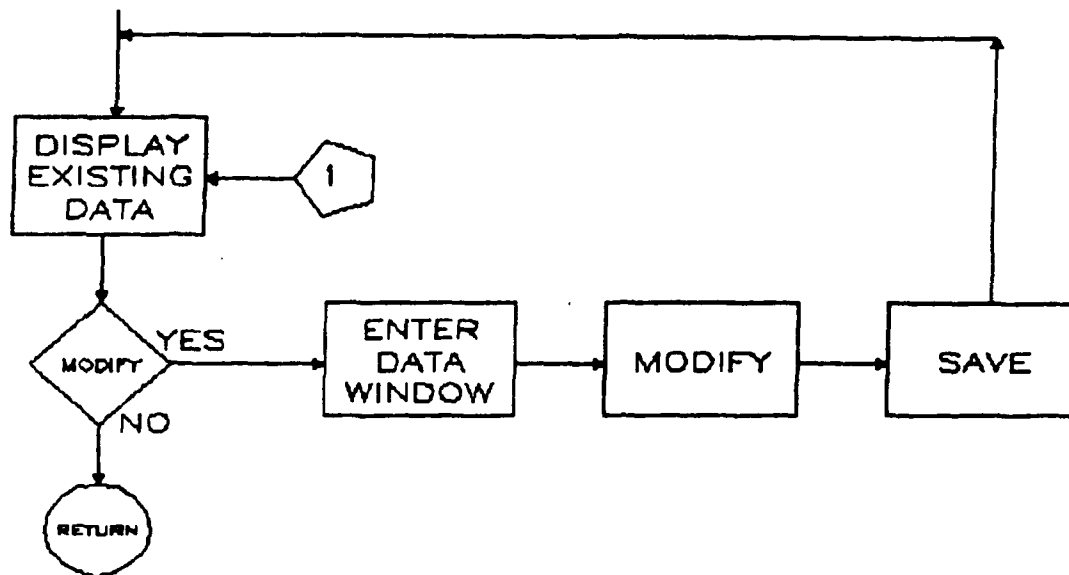
REP - 0505 05 015 1527

Current Delivery Schedule

Date	Balance	Start	Qty	Due In	Total	Back Ordered	Add Request	MFD	Total Assets	Mnth Supp
Jul 90	0			342	342	0	0	0	342	99**
Aug 90	342			0	342	0	0	0	341	99**
Sep 90	341			0	341	0	0	0	341	99**
Oct 90	341		222		563	0	0	0	563	99**
Nov 90	563			0	563	0	0	0	562	99**
Dec 90	562			0	562	0	0	0	562	99**
Jan 91	562			0	562	0	0	0	562	99**
Feb 91	562			0	562	0	0	0	561	99**
Mar 91	561			0	561	0	0	0	561	99**
Apr 91	561			0	561	0	0	0	561	99**
May 91	561			0	561	0	0	0	568	99**
Jun 91	560			0	560	0	0	0	568	99**
Jul 91	560			0	560	0	0	0	568	99**
Aug 91	560			0	560	0	0	0	559	99**
Sep 91	559			0	559	0	0	0	559	99**
Oct 91	559			0	559	0	0	0	559	99**
Nov 91	559			0	559	0	0	0	558	99**
Dec 91	558			0	558	0	0	0	558	99**

P6-Notepad, PRC-Previous Menu, P-Print Screen, Space-Adjusted Schedule

SHELF LIFE PARAMETER REVIEW FLOW CHART

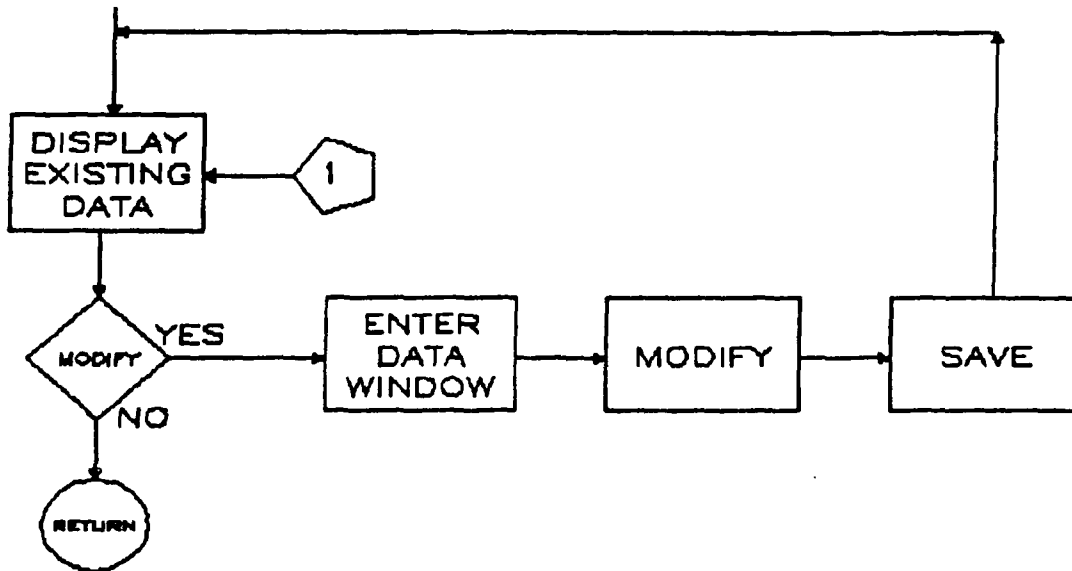


SHELF LIFE PARAMETER REVIEW SCREEN

SHELF LIFE PARAMETERS	
NSN 6505 00 015 1327	
Shelf Life Code	Q
SCF Shelf Life Months	26 months
8 months item remain in class J	9 months
Could this item historically be extended ?	N
Expected disposal cost (per unit) .	35.88

hit 'C' to change data or 'esc' to return to previous menu

ASSET SHELF LIFE REVIEW FLOW CHART

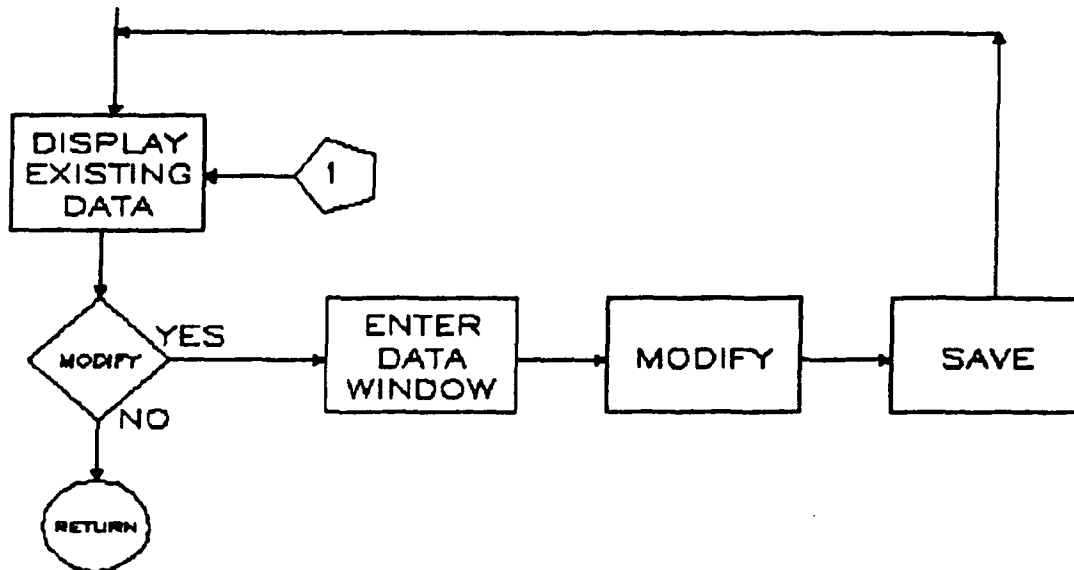


ASSET SHELF LIFE REVIEW SCREEN

Asset Shelf Life Expiration Data		
National Stock Number 6505 00 064 8765		
Shelf Life Code	Total Quantity	Expiration Date
C	8276	98238
J	121591	Exp'd
A	881311	92888

type 'C' to change data
or 'esc' to return to previous screen

PHASED DELIVERY SCHEDULE FLOW CHART

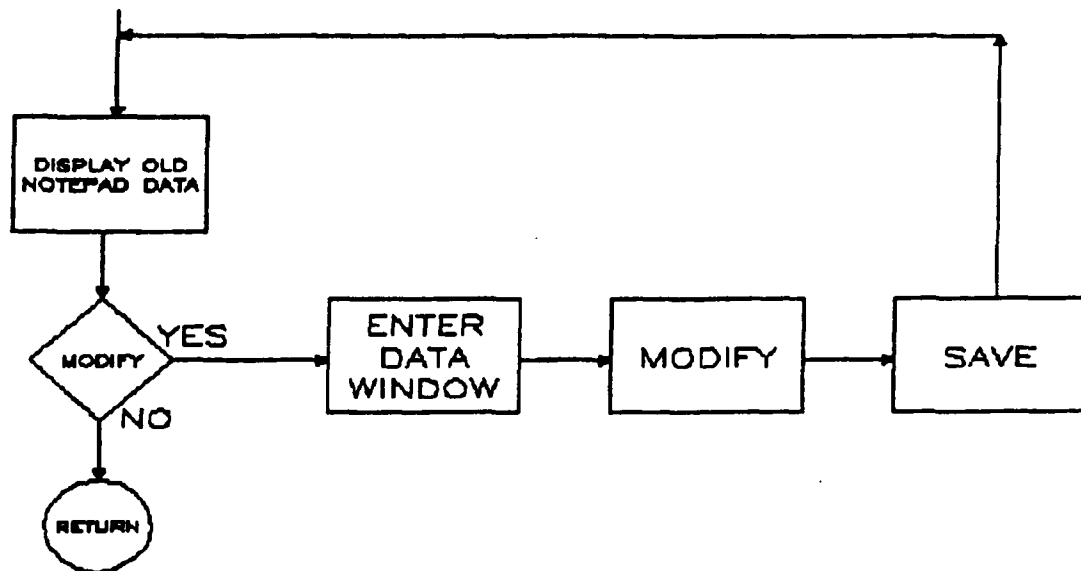


PHASED DELIVERY SCHEDULE REVIEW SCREEN

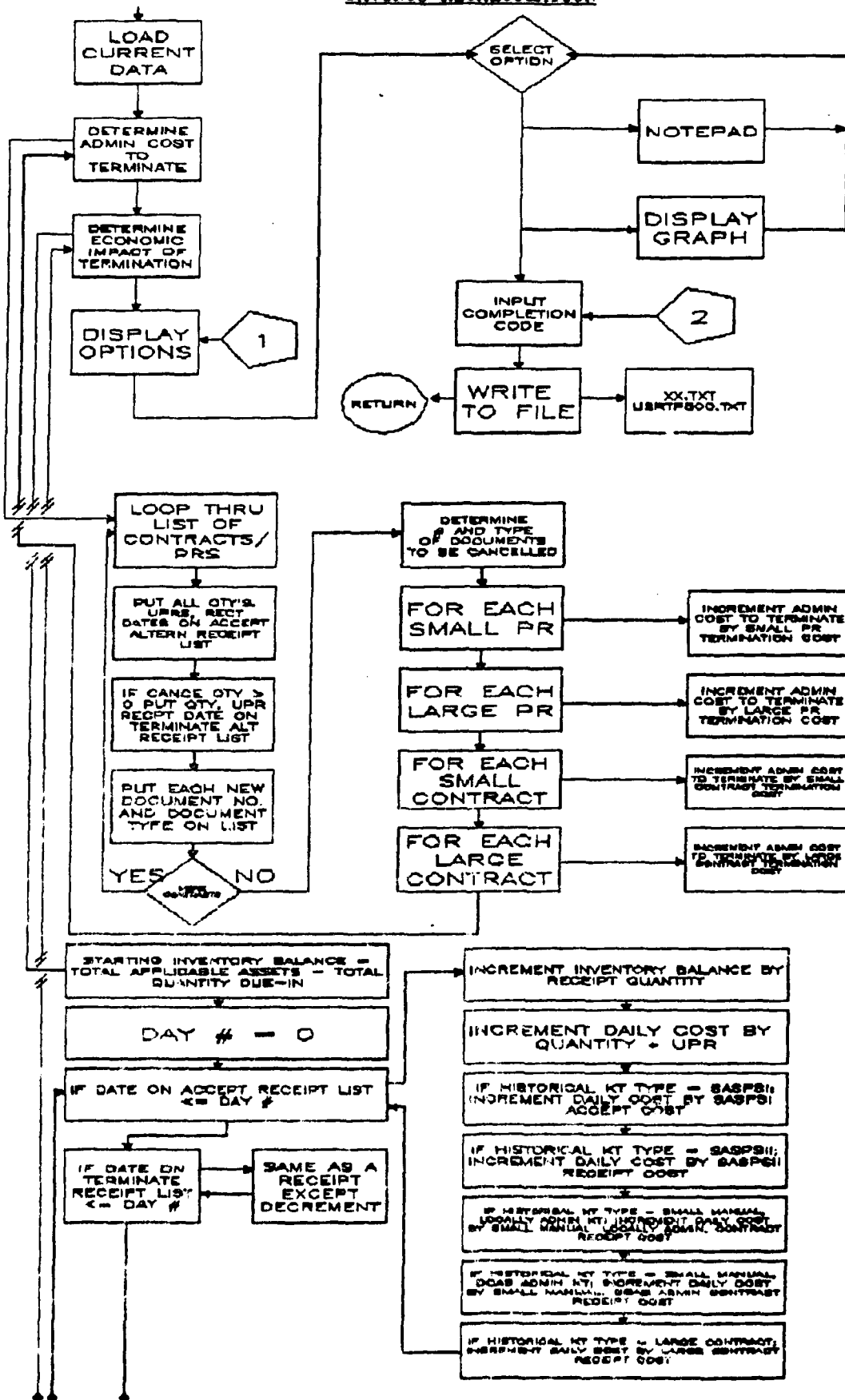
Phased Delivery Schedule	
National Stock Number 6505 00 015 1327	
Number of Shipments : 1	
Shipments	Percentage
Number	To Ship
1	100

type 'C' to change percentage, 'N' to change the number of shipments,
or 'esc' to return to previous screen

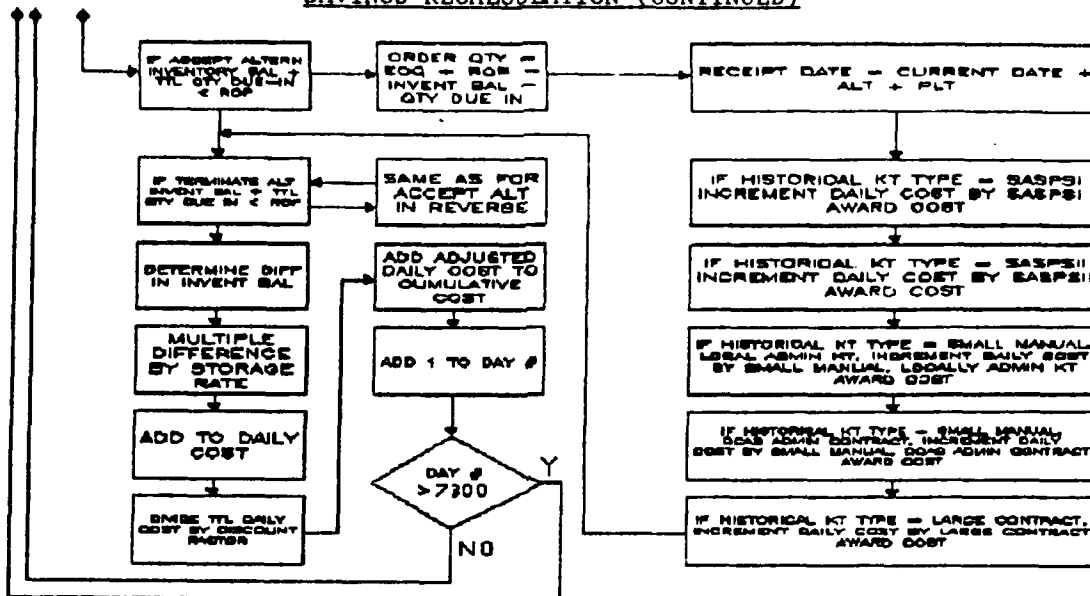
REVIEW NOTEPAD FLOW CHART



SAVINGS RECALCULATION



SAVINGS RECALCULATION (CONTINUED)



SAVINGS RECALCULATION SCREEN 1

Calculation of Terminations Savings
National Stock Number 6720 00 888 3623

Savings calculated through year 20

Savings Based upon Default SASPS Data:	\$ 13342.53
Savings Based upon Data Changes (if any):	\$ 13342.53
Total Value of Terminated Contracts:	\$ 95645.00
If Terminated, Days Until Recorder:	100
If Not Terminated, Days Until Recorder:	309

Hit 'F1' to view asset balance graph
Hit 'F5' to view notepad
Hit 'enter' to complete processing of this NNN
or hit 'esc' to return to the previous menu

SAVINGS RECALCULATION SCREEN 2

National Stock Number 6720 00 888 3623
Enter Completion Code

Cancel - Excess Position has been Verified
00 - Termination Savings are Indicated
08 - Termination Savings are Not Indicated, but Cancel Anyway
DO NOT CANCEL

File Maintenance

- 10 - Dues-In are Invalid
- 12 - Lead Times are Incorrect
- 14 - Requirements Are Understated
- 16 - Seasonal/Event Demand
- 18 - Customer Queries

Other

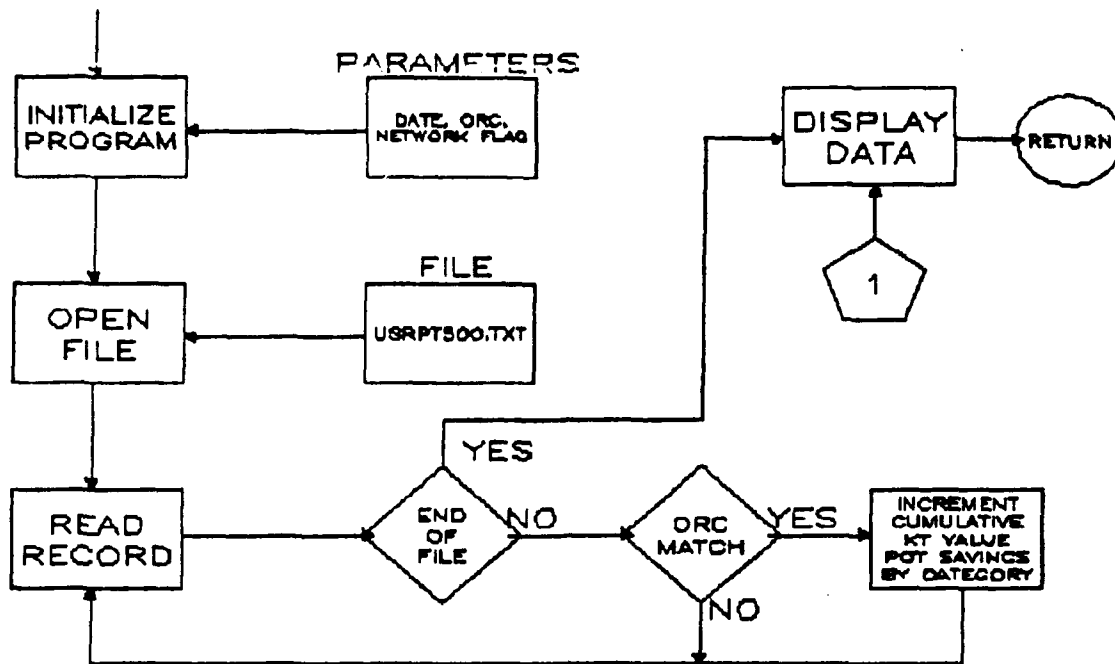
- 20 - Material Shipped/Received
- 22 - Minimum Production Quantity
- 24 - Diminishing Manufacturing Sources Buyout/Excluded Sole Source
- 26 - Provisioning Item
- 28 - Other

Savings not Positive

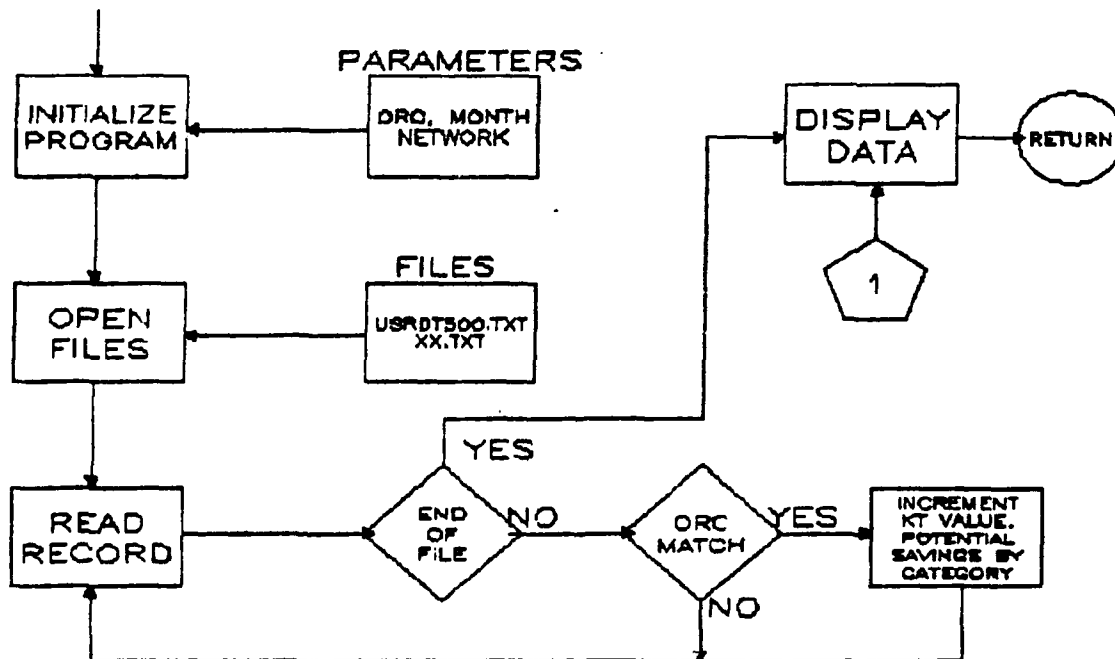
- 30 - Correct Data was Entered, but No Savings Indicated

or hit 'RETURN' to return to the previous menu

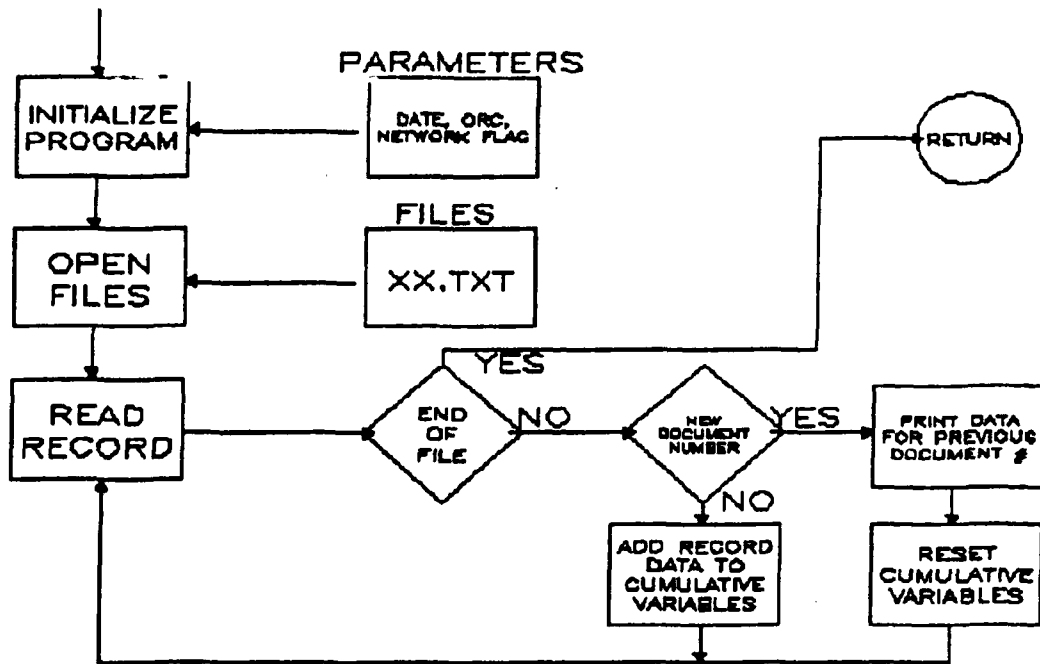
ANALYSIS OF DUE-IN DATA FLOW CHART
- USRTP200.EXE



SUMMARIZE DUE-IN PROCESSING
USRTP400.EXE



1128 PROGRAM FLOW CHART
USRTP300.EXE



FILE LAYOUTS

Main Frame Files.

Item File (USRD6001)

This file contains one record for each NSN with excess on-order material, ie., the Standard Supply Control Study (Standard Form 690) has at least one "Reason for Study Code" equal to "DI".

Record Layout

<u>Field Descriptor</u>	<u>Type</u>	<u>Source</u>
1. national stock number	13a	USRB0501
2. output routing code	2a	USRB0501
3. down load date	i	Calculated
4. item indicator code	1a	USRB0501
5. recommended reduction quantity	i	USRB0501
6. standard unit price	f	USRB0501
7. government furnished material code	1a	USRB0501
8. government furnished material cost	f	USRB0501
9. shelf life code	1a	USRB0501
10. shelf life months	i	USRB0501
11. quarterly forecast of demand	i	USRB0501
12. administrative lead time	i	USRB0501
13. production lead time	i	USRB0501
14. reorder point	i	USRB0501
15. economic order quantity	i	USRB0501
16. total quantity due-in	i	USRB0501
17. total applicable assets	i	USRB0501
18. recurring demand, 1st previous quarter	i	USRB0501
19. recurring demand, 2nd previous quarter	i	USRB0501
20. recurring demand, 3rd previous quarter	i	USRB0501
21. recurring demand, 4th previous quarter	i	USRB0501
22. non-recurring demand, 1st previous quarter	i	USRB0501
23. non-recurring demand, 2nd previous quarter	i	USRB0501
24. non-recurring demand, 3rd previous quarter	i	USRB0501
25. non-recurring demand, 4th previous quarter	i	USRB0501
26. asset inventory in condition code 'A'	i	USRB0501
27. asset inventory in condition code 'B'	i	USRB0501
28. asset inventory in condition code 'C'	i	USRB0501
29. asset inventory in condition code 'J'	i	USRB0501
30. flag, analyze code	1a	Calculated
31. number of shipments under phased delivery	i	USRMPOLT
32. procurement group code	5a	USRB0501
33. PGC excess	i	Flash File
34. alternative reduction quantity	i	Calculated
35. reallocation quantity	i	Calculated

Notes.

1. Field Type Indicators:

- "i" - data must be an integer,
- "f" - data must contain at least one digit before and behind a "."
- "xa" - the data is an alphanumeric, typically of length "x".

2. Each field in this file must be separated by at least one space. Although the width of each field is not critical to subsequent operation, each record must be equal in length.

3. The records in this file are sorted by ORC and NSN.

4. The down load date (Field #3) is extracted from the first five digits of the study number.

5. The forecast of demand (Field #11) equals the quarterly forecast of demand for all items except those where the item indicator code equals "2" or "B" (NSO Items). For NSO items with non-zero historical demand, the forecast of annual demand equals the sum of the past four quarters total demand. For NSO items with zero historical demand, the forecast of demand is equal to the NSO quantity.

6. The total quantity due-in is a summation of the three fields 'cont', 'pr', and other

7. The four asset balances (Fields #26-29) are computed by summing the actual assets on hand in the 'Asset Analysis' portion of the SSCF.

8. The analyze code flag (Field #30) can have the following values:

- "Y", default value.
- "M", if the forecast of demand $< 2 * \text{the mean absolute deviation}$.
- "P", if the down load date + the administrative lead time + the production lead time is less than the provisioning support date or the provisioning support date is less than the download date.

9. The number of shipments code (Field #31) is used to compute the number of and percentage shipped for each delivery for items with phased delivery.

10. The alternative reduction quantity (Field #33) and the reallocation quantities (Field #34) are both computed. The PGC excess (Field #32) is read from the Flash File. All of the contracts for the PGC are then arranged in ascending order on delivery date and sequentially flagged for reallocations until the total quantity reallocated is equal to the pgc excess. If the total reallocation quantity for a given NSN is less than the NSN excess, an alternative reduction quantity for that NSN is computed.

11. All blanks, occurring in the alphanumeric fields in the original SAMMS data, have been replaced with "_".

Contract File (USRD6003)

This file contains, for all NSNs with excess on-order material, one record for each entry in the Section IV Detailed Asset Data Due-In Status section of the Standard Supply Control Study (Standard Form 690) and contains one record for each entry in the Section II, System Analysis Requirements (Standard Form 690, lines 17, 18, 19, and 20, columns A, B, and C).

Record Layout

Records created from Section IV.

<u>Field Descriptor</u>	<u>Type</u>	<u>Source</u>
1. national stock number	13a	USRB0501
2. flag, selection indicator	1a	Calculated
3. output routing code	2a	USRB0501
4. flag, contract type indicator	1a	Calculated
5. document number	17a	USRB0501
6. contract line number	6a	USRB0501
7. due in date	i	USRB0501
8. contract quantity	i	USRB0501
9. branch	2a	USPMAPRF
10. buyer	3a	USPMAPRF
11. state	2a	USPA1901
12. vendor name	10a	USDMSCAF
13. cage code	5a	USRB0501
14. recommended cancellation quantity	i	Calculated
15. contract unit price	f	USPA1901
16. procurement group code	5a	USRB0501
17. test1/test2	2a	Calculated
18. alternative reduction quantity	i	Calculated
19. reallocation quantity	i	Calculated

1. Field Type Indicators:

- "i" - the data must be an integer,
- "f" - the data must contain at least one digit before and behind a "."
- "xa" - the data is an alphanumeric, typically of length "x".

2. The selection indicator field (Field #2) has a default value of "N". Records with a non-zero and positive recommended cancellation quantity (Field #14) have a value of "Y".

3. The contract type indicator (Field #4) has a default value of "3". If the 9th character of the document number = "C" then the contract type indicator is set to "5". If the 9th character = "C" and the price competition code = "1", "2", "3" or, "4" then the contract type indicator is reset to "4". If the 9th character = "M", then the contract type indicator is set to "4". If the contract type indicator = "4" and the admin location indicator = "L" then the contract type indicator is reset to "3". If the 9th character = "F" or "D", then the contract type indicator is set to "2". If

the 9th character = "A" and the 10th character = "A" or "B" then the contract type indicator is set to "1". If the first character of the document number = "R" or if the second character = "P", then the contract type indicator is set to "6". If the contract type indicator = "6" and the purchase request value = "L" then the contract type indicator is reset to "7".

A summary of the indicator values is as follows:

value	Meaning
1	SASPS I Contract.
2	SASPS II Contract.
3	Small Manual Contract, locally administered.
4	Small Manual Contract, DCAS administered.
5	Large Contract.
6	Small Purchase Request.
7	Large Purchase Request.

4. The date (Field #7) is the Julian Date Form of the: admn-lead-time, production lead-time, or procurement cycle lead-time, thru dates.

5. The recommended cancellation quantity (Field #14) should indicate how much a specific document/line should be reduced. It must not be greater than the contract quantity, nor should the total of all recommended cancellation quantities for a particular NSN exceed the recommended reduction quantity in usrtdl00.txt (Field #5).

6. The test1/test2 fields (Field # 17) are computed and downloaded but are not used in any of the DMINS or PC computations.

7. The alternative reduction quantity (Field #18) and the reallocation quantities (Field #19) are computed. All contracts within a given procurement group are arranged in ascending delivery date order. Each contract quantity is "reallocated" if the total quantity reallocated for the group is less than the group excess. Any excess quantities not reallocated comprise the alternative reduction quantities.

8. All blanks occurring in the alphanumeric fields in the original SAMMS data have been replaced with a "_".

9. Each field in this file must be separated by at least one space. Although the width of each field is not critical to subsequent operation, each record must be equal in length.

Records created from Section II.

<u>Field Descriptor</u>	<u>Type</u>	<u>Source</u>
1. national stock number	13a	USRB0501
2. filler	1a	1 " "
3. output routing code	2a	USRB0501
4. filler	1a	1 "X"
5. filler	17a	17 "X"
6. filler	6a	6 "X"
7. date	i	Calculated
8. total requirements quantity	i	Calculated
9. filler	2a	2 " "
10. filler	3a	3 " "
11. filler	2a	2 " "
12. filler	10a	10 " "
13. filler	5a	5 " "
14. filler	i	00
15. filler	10a	10 " "
16. procurement group code	5a	USRB0501
17. filler	2a	2 " "
18. filler	10a	10 " "
19. filler	10a	10 " "

Notes.

1. Field Type Indicators:

"i" - the data must be an integer,
 "f" - the data must contain at least one digit before and behind a "."
 "xa" - the data is an alphanumeric, typically of length "x".

2. The total requirements (Field #8) field is the sum of the recurring and nonrecurring requirements.

3. All blanks occurring in the alphanumeric fields in the original SAMMS data have been replaced with a "_".

4. Each field in this file must be separated by at least one space. Although the width of each field is not critical to subsequent operation, each record must be equal in length.

5. The records in this file are sorted by ORC and NSN.

Unix Files

Item File (mmmyy/usrtd100.txt)

This file contains one record for each NSN with excess on-order material, ie., the Standard Supply Control Study (Standard Form 690) has at least one "Reason for Study Code" equal to "DI".

Record Layout

<u>Field Descriptor</u>	<u>Type</u>	<u>Source</u>
1. national stock number	13a	USRD6001
2. output routing code	2a	USRD6001
3. down load date	i	USRD6001
4. item indicator code	1a	USRD6001
5. recommended reduction quantity	i	USRD6001
6. standard unit price	f	USRD6001
7. government furnished material code	1a	USRB0501
8. government furnished material cost	f	USRB0501
9. shelf life code	1a	USRB0501
10. shelf life months	i	USRB0501
11. forecast of demand	i	USRD6001
12. administrative lead time	i	USRD6001
13. production lead time	i	USRD6001
14. reorder point	i	USRD6001
15. economic order quantity	i	USRD6001
16. total quantity due-in	i	USRD6001
17. total applicable assets	i	USRD6001
18. recurring demand, 1st previous quarter	i	USRD6001
19. recurring demand, 2nd previous quarter	i	USRD6001
20. recurring demand, 3rd previous quarter	i	USRD6001
21. recurring demand, 4th previous quarter	i	USRD6001
22. non-recurring demand, 1st previous quarter	i	USRD6001
23. non-recurring demand, 2nd previous quarter	i	USRD6001
24. non-recurring demand, 3rd previous qua	i	USRD6001
25. non-recurring demand, 4th previous quarter	i	USRD6001
26. asset inventory in condition code 'A'	i	USRB6001
27. asset inventory in condition code 'B'	i	USRB6001
28. asset inventory in condition code 'C'	i	USRB6001
29. asset inventory in condition code 'J'	i	USRB6001
30. flag, analyze code	1a	USRB6001
31. number of shipments under phased delivery	i	USRB6001
32. procurement group code	5a	USRB6001
33. PGC excess	i	USRB6001
34. alternative reduction quantity	i	USRB6001
35. reallocation qauntity	i	USRB6001

Notes.

1. Field Type Indicators:

- "i" - the data must be an integer,
- "f" - the data must contain at least one digit before and behind a "."
- "xa" - the data is an alphanumeric, typically of length "x".

2. Each field in this file must be separated by at least one space. Although the width of each field is not critical to subsequent operation, each record must be equal in length.

3. The records in this file are sorted by ORC and NSN.

Contract File (mmmyy/usrtdl01.txt)

This file contains, for all NSNs with excess on-order material, one record for each entry in the Section IV Detailed Asset Data Due-In Status section of the Standard Supply Control Study (Standard Form 690) and contains one record for each entry in the Section II, System Analysis Requirements (Standard Form 690, lines 17, 18, 19, and 20, columns A, B, and C).

Record Layout

<u>Field Descriptor</u>	<u>Type</u>	<u>Source</u>
1. national stock number	13a	USRD6003
2. flag, selection indicator	1a	USRD6003
3. output routing code	2a	USRD6003
4. flag, contract type indicator	1a	USRD6003
5. document number	17a	USRD6003
6. contract line number	6a	USRD6003
7. due in date	i	USRD6003
8. contract quantity	i	USRD6003
9. branch	2a	USRD6003
10. buyer	3a	USRD6003
11. state	2a	USRD6003
12. vendor name	10a	USRD6003
13. cage code	5a	USRD6003
14. recommended cancellation quantity	i	USRD6003
15. contract unit price	f	USRD6003
16. procurement group code	5a	USRB6003
17. test1/test2	2a	USRB6003
18. alternative reduction quantity	i	USRB6003
19. reallocation quantity	i	USRB6003

Notes.

1. Field Type Indicators:

- "i" - the data must be an integer,
- "f" - the data must contain at least one digit before and behind a "."
- "xa" - the data is an alphanumeric, typically of length "x".

2. Each field in this file must be separated by at least one space. Although the width of each field is not critical to subsequent operation, each record must be equal in length.

3. The records in this file are sorted by ORC and NSN.

Cost Data File (usrtp100.txt)

This file is created and maintained on DMINS by a person with the appropriate logon and using the program usrtp100.exe.

Record Layout

<u>Field Descriptor</u>	<u>Type</u>	<u>Source</u>
1. Center Designator	4a	Center Specific
2. interest rate	f	10%, DODI 4140.39
3. storage rate	f	1%, DODI 4140.39
4. obsolescence rate	f	Center Specific
5. analysis duration	i	Center Specific
6. surcharge rate	f	Center Specific
7. # of months to inspect J stock	i	Center Specific
8. termination cost, small purchase request	f	Center Specific
9. termination cost, large purchase request	f	Center Specific
10. termination cost, small contract	f	Center Specific
11. termination cost, large contract	f	Center Specific
12. initial award cost, sasps I contract	f	Center Specific
13. initial award cost, sasps II contract	f	Center Specific
14. initial award cost, small manual ICP administered contract	f	Center Specific
15. initial award cost, small manual DCAS administered contract	f	Center Specific
16. initial award cost, large contract	f	Center Specific
17. final award cost, sasps I contract	f	Center Specific
18. final award cost, sasps II contract	f	Center Specific
19. final award cost, small manual ICP administered contract	f	Center Specific
20. final award cost, small manual DCAS administered contract	f	Center Specific
21. final award cost, large contract	f	Center Specific

Notes.

1. Field Type Indicators:

"i" - the data must be an integer,

"f" - the data must contain at least one digit before and behind a "."

"xa" - the data is an alphanumeric, typically of length "x".

2. Except for fields 2 and 3, each center is responsible for determining values suitable for their own use. All Centers have used Multiple Cost EOQ Study by Synergy Corp. as the basis for the values that they use.

Recommendation File (mmmyy/usrtd500.txt)

This file is created on the Unix computer by usrtd500.exe. It contains 4 records containing data read from usrtpl00.txt, and one record for each NSN identified as having excess on-order material identified in Section II of the Standard Supply Control Study.

Record Layout

Field Descriptor	Type	Source
record number 1		
1. center designator	4a	usrtpl00.txt
2. interest rate	f	usrtpl00.txt
3. storage rate	f	usrtpl00.txt
4. obsolescence rate	f	usrtpl00.txt
5. analysis duration	f	usrtpl00.txt
6. surcharge rate	f	usrtpl00.txt
7. # months J stock	f	usrtpl00.txt
record number 2		
1. termination cost, small purchase request	f	usrtpl00.txt
2. termination cost, large purchase request	f	usrtpl00.txt
3. termination cost, small contract	f	usrtpl00.txt
4. termination cost, large contract	f	usrtpl00.txt
record number 3		
1. initial award cost, sasps I contract	f	usrtpl00.txt
2. initial award cost, sasps II contract	f	usrtpl00.txt
3. initial award cost, small manual ICP administered contract	f	usrtpl00.txt
4. initial award cost, small manual DCAS administered contract	f	usrtpl00.txt
5. initial award cost, large contract	f	usrtpl00.txt
record number 4		
1. final award cost, sasps I contract	f	usrtpl00.txt
2. final award cost, sasps II contract	f	usrtpl00.txt
3. final award cost, small manual ICP administered contract	f	usrtpl00.txt
4. final award cost, small manual DCAS administered contract	f	usrtpl00.txt
5. final award cost, large contract	f	usrtpl00.txt
all other records		
1. national stock number	13a	mmmyy/usrtdl00.txt
2. output routing code	2a	mmmyy/usrtdl00.txt
3. recommendation type code	1a	Calculated
4. potential savings	f	Calculated
5. reduction value	f	Calculated
6. flag, processing code	3a	Calculated

1. Field Type Indicators:

- "i" - the data must be an integer,
- "f" - the data must contain at least one digit before and behind a "."
- "xa" - the data is an alphanumeric, typically of length "x".

2. Each field in this file must be separated by at least one space. Although the width of each field is not critical to subsequent operation, all records, except the first four, must be equal in length.

3. The records in this file are sorted by ORC and NSN.

Item Manager's Recommendation File (mmmyy/usrtp501/XX.txt).

This file is created by the Item Manager when the program usrtp500.exe is executed. It contains one record for each record appearing in the file (mmmyy/usrtd101.txt) which has also been processed by the Item Manager.

Record Layout

<u>Field Descriptor</u>	<u>Type</u>	<u>Source</u>
1. national stock number	13a	mmmyy/usrtd100.txt
2. flag, processing code, as entered by IM	2a	Calculated
3. flag, processing code, as read in from mmmyy/usrtd500.txt	2a	mmmyy/usrtd500.txt
4. document number	17a	mmmyy/usrtd101.txt
5. contract line number	6a	mmmyy/usrtd101.txt
6. flag, selection indicator	1a	mmmyy/usrtd101.txt
7. output routing code	2a	mmmyy/usrtd100.txt
8. down load date	i	mmmyy/usrtd100.txt
9. due in date	i	mmmyy/usrtd100.txt
10. contract quantity	i	mmmyy/usrtd101.txt
11. potential savings for this contract	f	Calculated
12. reduction value of this contract	f	Calculated
13. branch	2a	mmmyy/usrtd101.txt
14. buyer	3a	mmmyy/usrtd101.txt
15. state	2a	mmmyy/usrtd101.txt
16. vendor name	10a	mmmyy/usrtd101.txt
17. cage code	5a	mmmyy/usrtd101.txt
18. flag, partial cancellation indicator	1a	Calculated
19. recommended cancellation quantity	i	mmmyy/usrtd101.txt
20. flag, print indicator	1a	Calculated

SETUP CONSIDERATIONS

Mainframe Level

There is a parameter in UTBG35 which directs the output of the download to the intended DMINS machine. The DMINS machine selected for the Termination model can be determined by each individual Center and can be changed from time to time as the Center decides. However, the parameter in UTBG35 must be set properly.

Unix Level

The data storage requirements for the Termination Model have not been precisely determined and this is because the requirements for historical data access have not been decided. At DGSC, the fixed program overhead plus three downloads of data require about ten megabytes of storage. Under the worst case scenario, the fixed program overhead could expand to as much as forty megabytes. If this occurs, and if a Center decides to maintain two years worth of data on disc, then the storage requirements could conceivably approach 100 megabytes.

To maintain uniformity across all centers, it is requested that the Termination programs reside on a root partition (/di) and that the ownership of this partition be given to account gaa9014.

For ease of installation, a logon account for gaa9014 should be made on the Unix machine with the /di partition.

Regardless of the Unix machine selected as the mainframe download target, the download files will need to be restored from the 80 character punch file layout back into the original layout. This is generally considered a systems function, but it can be incorporated into the Termination Model shell scripts.

There is no necessity for the Unix machine download target to be the same Unix machine selected for the /di partition.

AUTOMATED 1128 INTERFACE

Programs

A special function was constructed to allow the Termination Model to pass information to the Automated 1128 Process (as it operates at DCSC). Screens requesting additional Inventory Manager input were developed and, instead of passing the results of the Inventory Manager's decision to Procurement with a paper 1128 worksheet, the data is sent to DMINS files. At DCSC, these files are uploaded to a Unify Database and further processing is performed with existing Unix programs.

File Layouts

PDIDUMP3 This file contains data for any purchase requests selected for cancellation.

<u>Field Descriptor</u>	<u>Type</u>	<u>Source</u>
1. I.M. name	30a	ITEMRVAP.DBF
2. branch	4a	ITEMRVAP.DBF
3. orc	2a	mmmyy/usrtp500.txt
4. amendment code as entered by I.M.	1a	Calculated
5. docnbr	16a	mmmyy/usrtp101.txt
6. clin or text as entered by I.M.	6a	mmmyy/usrtp101.txt or Calculated
7. nsn	13a	mmmyy/usrtp100.txt
8. adminsub (branch+buyer or as entered by I.M.	5a	mmmyy/usrtp101.txt or Calculated
9. upr	10.2f	mmmyy/usrtp100.txt
10. duedate	i	mmmyy/usrtp100.txt
11. award date as entered by I.M.	3a	Calculated
12. total cancel quanty	i	Calculated
13. total cancel dollars	f	Calculated
14. currrent date	8a	Calculated
15. I.M. phone number	4a	Calculated
16. SAMMS change code	2a	Calculated
17. Supply Status (ostatus)	3a	Calculated
18. Comment 1 (ocomment1)	50a	Calculated
19. Comment 2 (ocomment2)	50a	Calculated
20. filler	2a	" "
21. filler	8a	"**/**/**"
22. filler	4a	"0.00"
23. filler	0a	
24. filler	0a	
25. ktsavings	f	Calculated

1. Field Type Indicators:

- "i" - the data must be an integer,
- "f" - the data must contain at least one digit before and behind a "."
- "xa" - the data is an alphanumeric, typically of length "x".

2. Each field in this file is separated by one "|". The width of each field is not critical to subsequent operation and each record may be of different length.

CDIDUMP.3 This file contains data for any contracts selected for termination.

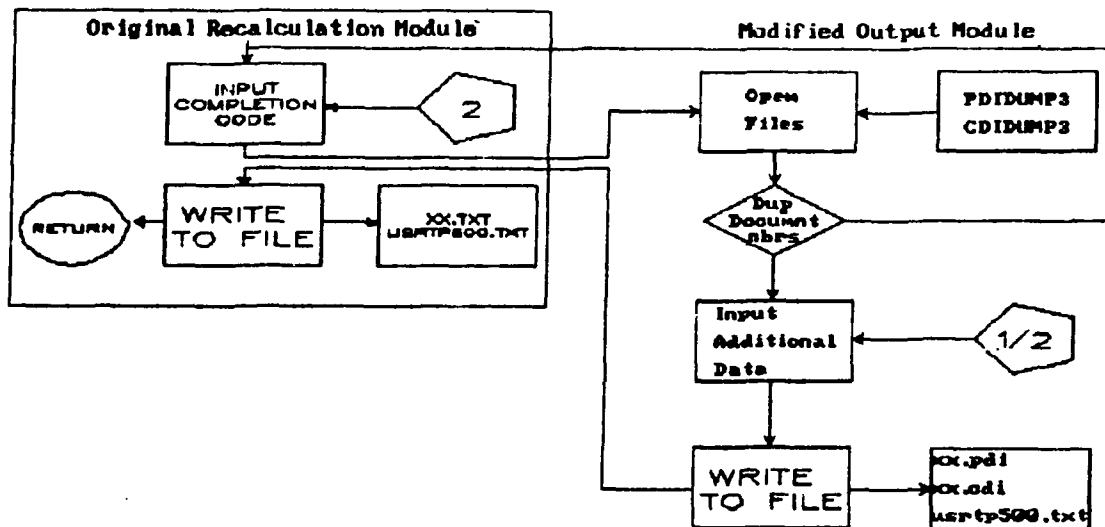
<u>Field Descriptor</u>	<u>Type</u>	<u>Source</u>
1. I.M. name	30a	ITEMRVAP.DBF
2. branch	4a	ITEMRVAP.DBF
3. orc	2a	mmmyy/usrtpl500.txt
4. amendment code as entered by I.M.	1a	Calculated
5. docnbr	16a	mmmyy/usrtpl01.txt
6. clin or text as entered by I.M.	6a	mmmyy/usrtpl01.txt or Calculated
7. nsn	13a	mmmyy/usrtpl00.txt
8. adminsub (branch+buyer or	5a	mmmyy/usrtpl01.txt
9. upr	10.2f	mmmyy/usrtpl00.txt
10. duedate	i	mmmyy/usrtpl00.txt
11. award date as entered by I.M.	3a	Calculated
12. total cancel quantity	i	Calculated
13. total cancel dollars	f	Calculated
14. current date	8a	Calculated
15. I.M. phone number	4a	Calculated
16. SAMMS change code	2a	Calculated
17. Supply Status (ostatus)	3a	Calculated
18. Comment 1 (ocomment1)	50a	Calculated
19. Comment 2 (ocomment2)	50a	Calculated
20. cage code	5a	mmmyy/usrtpl01.txt
21. vendor name	25a	mmmyy/usrtpl01.txt
22. total dollars	f	Calculated
23. ship quantity	i	Calculated
24. receipt quantity	i	Calculated
25. Legal quantity	i	Calculated
26. savings	f	Calculated

1. Field Type Indicators:

- "i" - the data must be an integer,
- "f" - the data must contain at least one digit before and behind a "."
- "xa" - the data is an alphanumeric, typically of length "x".

2. Each field in this file is separated by one "|". The width of each field is not critical to subsequent operation and each record may be of different length.

SAVINGS RECALCULATONS (MODIFIED)



MODIFIED SAVINGS RECALCULATON SCREEN 1

DI 112B INPUT FOR PURCHASE REQUESTS

PR 8 YTC90106000503 NSM 4230 01 011 3173 Date : 8-19-98

JM NAME : XXX XXXXX
 JM OFFICE : 414
 JM ORC : UC
 AMENDMENT : D
 PR Line no. : PUL7
 BRANCH / BUYER : UL204
 STA. UNIT PRICE : 109.05
 KDD : 91830
 PROJECT CODE : 902
 QTY DECREASED : 98363.18
 TOTAL PRICE : 98363.18
 O STATUS :
 O COMMENT :
 O COMMENT :

Hit 'F10' when you are through making changes
or hit 'esc' to return without processing

MODIFIED SAVINGS RECALCULATON SCREEN 2

DI 112B INPUT FOR PURCHASE REQUESTS

PR 8 YTC90106000503 NSM 4230 01 011 3173 Date : 8-19-98

JM NAME : XXX XXXXX
 JM OFFICE : 414
 JM ORC : UC
 AMENDMENT : D
 PR Line no. : PUL7
 BRANCH / BUYER : UL204
 STA. UNIT PRICE : 109.05
 KDD : 91830
 PROJECT CODE : 902
 QTY DECREASED : 98363.18
 TOTAL PRICE : 98363.18
 O STATUS :
 O COMMENT :
 O COMMENT :

Hit 'F10' when you are through making changes
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13. ABSTRACT (Maximum 200 words) The Defense Logistics Agency (DLA) Contracting Directorate and Directorate of Supply Operations jointly asked the DLA Operations Research and Economic Analysis Management Support Office (DORO) to review existing policies and procedures for terminating procurements for material considered excess to current requirements. They also asked for an analytic computer model to determine under what circumstances it is cost effective to cancel or terminate excess procurements. The Terminations Model was developed by DLA DORO in response to the request. It standardizes and streamlines the termination process. It also provides key insights to the various elements of cost for holding versus terminating and reprocurring stock. This report is a User's Guide and Technical Description for the Terminations Model. It is intended as a desk reference for DLA item managers and other end users of the model.				
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