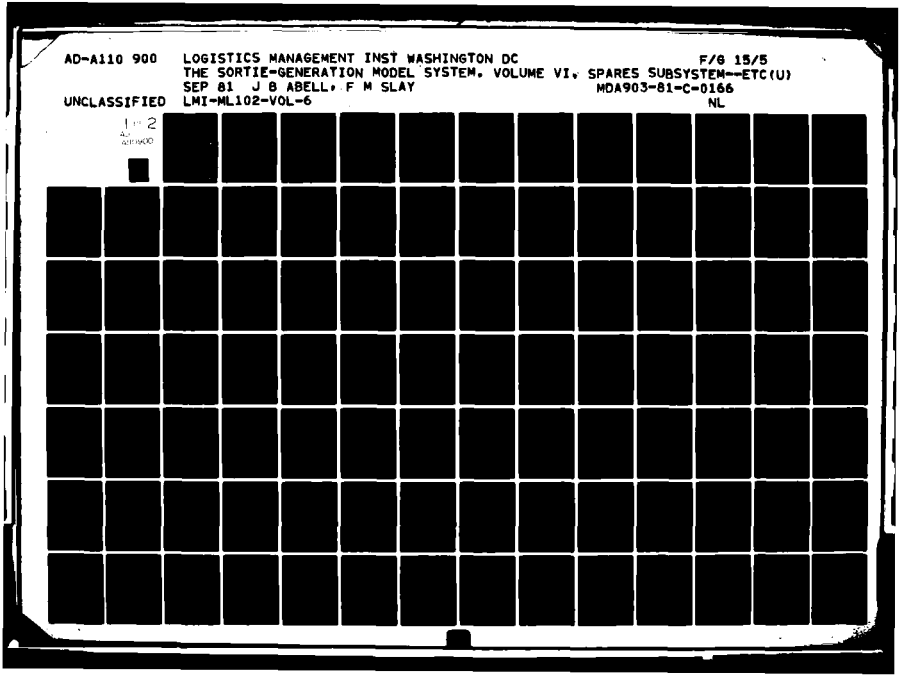
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THE SORTIE-GENERATION MODEL SYSTEM
VOLUME VI
SPARES SUBSYSTEM

September 1981

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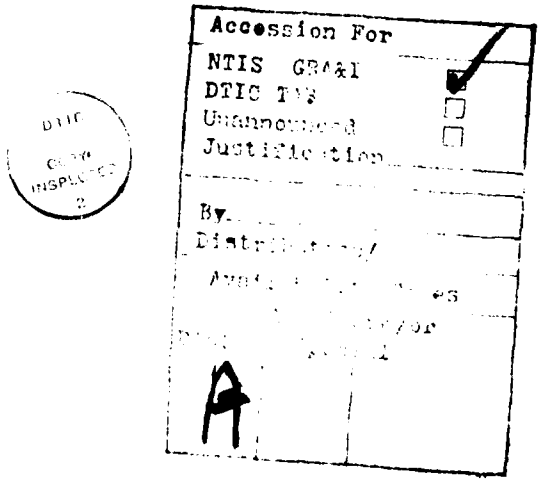
PREFACE

This volume is the last of six volumes that describe the LMI Sortie-Generation Model System. Volume I, Executive Summary, discusses the problem the system is designed to address and provides an overview of the principal parts of the system. Volume II, Sortie-Generation Model User's Guide, provides sufficient information to allow a user to run the Sortie-Generation Model (SGM). Volume III, Sortie-Generation Model Analyst's Manual, describes the mathematical structures, derivations, assumptions, limitations, and data sources of the system at a very detailed level. Volume IV, Sortie-Generation Model Programmer's Manual, specifies the details of the computer programs, file structures, job control language, and operating environment of the system. Volume V describes the maintenance subsystem and explains the construction of the maintenance input file to the SGM. Volume VI describes the spares subsystem and shows a user how to build the spares file that is used by the SGM.

Potential users are cautioned that no volume is intended to provide, by itself, all of the information needed for a comprehensive understanding of the operation of the SGM.



ACKNOWLEDGMENTS

We are indebted to our colleague at LMI, Mr. William B. Fisher, for his many helpful insights and contributions to both the conceptual and technical content of this work, and to Mr. Peter L. Eirich, formerly of LMI, who first suggested the structure of the merge routine used in the Distribution Model.

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SPARES SUBSYSTEM DESCRIPTION

INTRODUCTION

The purpose of the spares subsystem is to provide a means of translating budget-program 15 (BP15) resources and depot-purchased equipment maintenance (DPEM) resources into a spares posture. By a spares posture we mean a set of stock levels by national stock number (NSN) and location. Locations include all bases world-wide and all depots. The spares subsystem is shown schematically in Figure 1. It consists of several components, each of which will be discussed.

The Aircraft Availability Model

The Aircraft Availability Model produces an availability-vs.-cost curve for each model/design (MD) aircraft in the Air Force inventory (e.g., F-4 or B-52), for each model/design/series (MDS) such as F-4D or F-4E, or for any combination of MDs and MDSs. Given the assumptions made in the model, each point on the curve is an optimum; i.e., it represents the least-cost mix of spares and depot-level repair for that level of aircraft availability and it also represents the maximal availability achievable for that total cost of procurement and repair.

The input data for the Availability Model are derived from the Air Force Logistics Command's D041, D041A, and K004 data systems. They specify, for each recoverable item in the system, the current worldwide asset position including war reserve stocks, failure factors, pipeline times, flying hour programs, item applications by weapon system, base repair fractions, item unit costs and repair costs, and other factors that affect the resource allocation solution and resulting mix of spares. The Availability Model takes explicit

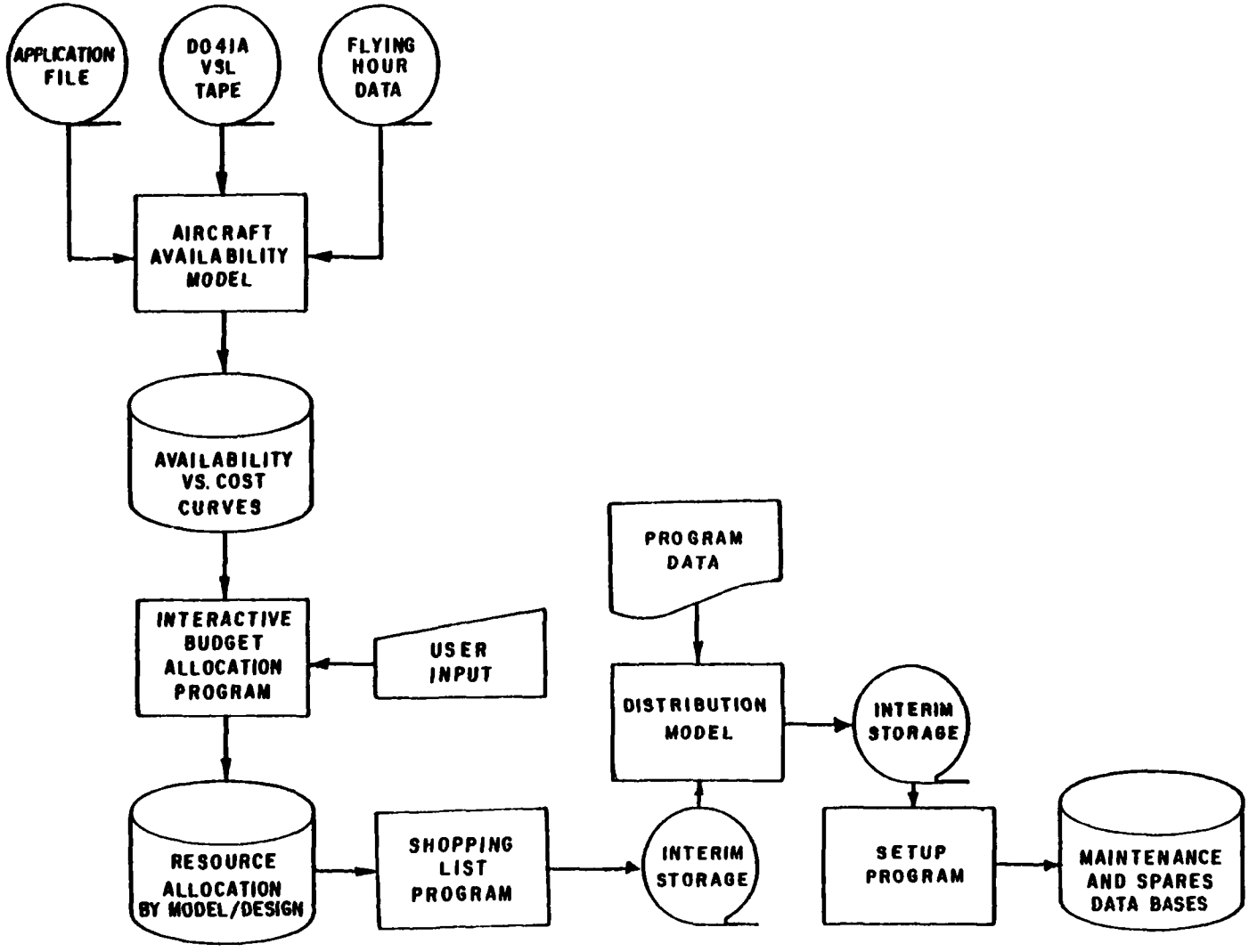

FIGURE 1
SPARES SUBSYSTEM

account of item commonality, i.e., the application of a component to more than one kind of aircraft, and also estimates the effects of lateral resupply. It is, in short, a powerful, flexible, resource allocation tool for recoverable spares procurement and depot-level repair.

The Interactive Budget Allocation Program

This program enables a user to specify the amount of money he wishes to allocate to each MD. The program enables the user to choose an availability increment or a budget increment, either positive or negative, will display the current budget allocation and availability for each MD, and will also display the new budget allocation and availability that would result from application of the increment to each MD. The user then selects the MD(s) to which he wishes the increment to be applied. The program keeps track of and displays the total amount of budget dollars allocated to the entire force; that total includes the sum of procurement dollars and depot-level-repair dollars and the two values are optimized beyond the control of the user. The user proceeds iteratively changing and allocating the increment to MDs of his choice until he reaches the budget constraint or a set of availability goals.

The most important feature of the interactive program is the ease with which a user is able to allocate resources across a rather large number (roughly 40) of different MDs in a way that takes military worth explicitly into account. For any specified budget or availability increment, the user is able to see exactly what his tradeoff opportunities and costs are at any point in the decision process.

When the user has allocated a budget, the program stores the results of his final decision so that, at any future time, the set of spares by stock

number and the detailed depot-level-repair program may be produced. The remainder of the process consists of three major steps: (1) The Shopping List Program, (2) the Distribution Model, and (3) the Setup Programs.

The remainder of this volume is dedicated to explaining these three steps. We assume that the Aircraft Availability Model has been run on current data and that the user has specified availability levels for all aircraft and, implicitly, a total budget level. The next step in the process is to run the Shopping List Program.

THE SHOPPING LIST PROGRAM

The output of the Interactive Budget Allocation Program, a function of the user's allocation decisions, is subsequently used by the Shopping List Program to extract from the Availability Model output the quantity of spares of each component that results from the decision process and the set of availability-vs.-cost curves that were input to the interactive program. Thus, the Shopping List Program produces a world-wide stockage level for every recoverable component in the Air Force system.

The Shopping List Program used by the SGM is a simplified version of a Shopping List Program that is used routinely with the Aircraft Availability Model for budget planning and other purposes. It is simplified to the extent that it generates a shopping list of line-replaceable units (LRUs) only, i.e., it does not output shop-replaceable units (SRUs). It outputs for each LRU the expected delay in base repair due to SRU backorders. The shopping list for SRUs isn't needed by the SGM because the expected delay in base repair of the LRU fully accounts for the impact of the SRU asset position.

As the user goes through the decision process involved in specifying availability levels and allocating a total budget, each of his decisions is

numbered and stored by the Interactive Budget Allocation Program. The Shopping List Program simply retrieves the stock levels associated with a particular decision.

Inputs

Prior to running the Shopping List Program, the user needs to know the job name (JOBNAME) and the tape number of the level-one, tape one (T1-1) from the Aircraft Availability Model run, the interactive decision number of the decision he wishes to implement from the Interactive Budget Allocation Program, and the area code (AREACODE) of the output tape of the Shopping List Program. It is assumed that the user knows his IDENT code and NAME.

Job Submission Procedures

Figure 2 shows what entries are required to submit the Shopping List Program. The system's output to the user's terminal is shown without underlining; the user's responses are underlined. These responses are only

```
SYSTEM ?RUNY LA61A/SUBMIT,R

***** STARS SUBMIT SUBSYSTEM *****

=RUN LA61A/STARS/JCL/IR/SSHOP
ENTER IDENT          ?
=OS2011N232D ,OS29USLAY
ENTER NAME           ?
=ABELL
ENTER JOBNAME        ?
=IWRM80S3
ENTER AREACODE       ?
=OS2942
ENTER T1-1#          ?
=28506
ENTER DECISION#      ?
=15

JOB SUBMITTED
  SNUMB # 7051U
```

FIGURE 2. SUBMISSION OF SHOPPING LIST PROGRAM

examples. An authorized user of System C will have his own responses. The important responses here are the run commands.

The job control language (JCL) for the Shopping List Program is shown in Figure 3. A listing of its source program is provided in Appendix A and a sample of a few pages of its output can be found in Appendix B.

```
*LIST LA61A/STARS/JCL/IR/SSHOP

100##N,R(XL)
110$:IDENT:&IDENT.
120$:NOTE:SSHOP (LRU SHOPPING LIST WITH SRUEBO) RUN FOR &NAME.
130$:MSG1:4,ULGSS&JOBNAME.,&AREACODE.,090
140$:OPTION:FORTRAN
150$:SELECT:LA61A/STARS/OBJECT/IR/SSHOP.O
160$:EXECUTE
170$:LIMITS:39,14K,,25K
180$:TAPE9:01,X1DD,,&T1-1#.,,###
190$:PRMFL:02,R,R,LA61A/STARS/JOBS/&JOBNAME./ISTAT
200$:DATA:03
210 &DECISION#.
220$:FILE:04,NULL
230$:TAPE9:05,T1D,,,,SS&JOBNAME.***
240$:FILE:09,NULL
250$:ENDJOB
```

FIGURE 3. JCL FOR SHOPPING LIST PROGRAM

THE DISTRIBUTION MODEL

The Distribution Model operates on the output of the Shopping List Program. Its purpose is to find the distribution of stock levels for all items among all bases and the depot such that the value of expected base-level backorders is minimized. The Distribution Model takes explicit account of the world-wide distribution of aircraft by MDS and their collocation by base.

The Distribution Model allocates the asset position specified by the Shopping List Program to the depot and the particular bases so as to minimize total expected backorders. The Distribution Model does this one component at

a time. First, all the data about a particular component are read in. These data include:

- The total number of assets worldwide as specified by the Shopping List.
- The total demand rate, the repair times, the percentage of repairs at each echelon, the condemnation rate, the production lead time, etc., as specified by the VSL Tape.
- The MDS, Quantity Per Aircraft (QPA), and the Future Application Percentage (FAP) of each MDS application for that component as specified by the Application Tape.
- The distribution of the MDSs to the various bases, and their flying hour programs as specified by the Aircraft File.
- The demand rate per flying hour as specified by the DO41-01 Records Tape.

The Model computes the demand rate at each individual base and at the depot. The world-wide assets are allocated to the bases and the depot using an algorithm which is equivalent to trying all possible distributions and picking the one with the lowest total expected backorders. The results of this distribution are written to tape and the model reads in the next component.

The user must generate the Aircraft File (called ACLIST) from information contained in the Air Force Program Document (PD). Each base in the file is assigned a number and a list of the bases and their numbers is saved in a file (referred to as the Base List). Examples of an Aircraft File and a Base List are contained in Appendices C and D.

The output of the Distribution Model is a file of all recoverable components by NSN that reflects the stock levels of that NSN allocated to every base world-wide and the depot stock level. This file reflects directly the input budget originally allocated by the user of the Interactive Budget Allocation Program.

Inputs

Prior to running the Distribution Model the user needs to know the tape numbers of the VSL tape, the D041 system "01" tape, and the application file that were input to the Aircraft Availability Model and of the output tape from the Shopping List Program. He also needs the file name of the file that reflects the distribution of aircraft and flying hours among bases (ACLIST) and the area code (AREACODE) for the output tape of the Distribution Model. Again, it is assumed that the user knows his IDENT code and NAME.

Job Submission Procedures

Figure 4 shows the entries required to run the Distribution Model. As before, the system's output to the user's terminal is shown without underlining; the user's responses are underlined.

The JCL for the Distribution Model is shown in Figure 5. A listing of its source program is provided in Appendix E. Appendix F contains a sample of the Distribution Model's output.

THE SETUP PROGRAMS

The Setup Program provides an interface between the general spares data base generated by the Distribution Model and a particular spares data base needed by the SGM. The principal function of the Setup Program is to read the Distribution Model output tape selecting the data for the base and MDS(s) of interest and saving those data on a disc file suitable for use by the SGM.

The file created by the Setup Program contains data for each LRU for the base and MDS(s) of interest. The data are stored one component at a time

```
SYSTEM ?RUNY LA61A/SUBMIT,R

***** STARS SUBMIT SUBSYSTEM *****

=RUN LA61A/STARS/JCL/DM/SDIST
ENTER IDENT          ?
=0S2011N232D ,0S29USLAY
ENTER NAME           ?
=ABELL
ENTER DIST-T-NAME    ?
=DISTWOS3
ENTER AREACODE       ?
=0S2942
ENTER SHOP-T#        ?
=21971
ENTER ACLIST         ?
=SRTDPDOJ
ENTER VSL-T#         ?
=21185
ENTER APP-T#         ?
=20087
ENTER DO1-T#         ?
=26140

JOB SUBMITTED
  SNUMB # 7623U
```

FIGURE 4. RUNNING THE DISTRIBUTION MODEL

with one record per component. The data for each component are:

1. NSN - The national stock number of the component.

2. DEMAND - The demand (break) rate in failures per flying hour.

3. QPA - The quantity installed on each aircraft.

4. FAP - The "Future Application Percentage", the percentage of the missions on which the component is installed.

5. NSPARES - The number of spares of that component (on hand, in repair, and on order) at that base.

6. RESUPPLY - The expected number of units in resupply at the start of the scenario.

```
*LIST LA61A/STARS/JCL/DM/SDIST

100##N,R(XL)
110$:IDENT:&IDENT.
120$:NOTE:SDIST RUN FOR &NAME.
130$:MSG1:4,ULG&DIST-T-NAME.,&AREACODE.,090
140$:OPTION:FORTRAN
150$:SELECT:LA61A/STARS/OBJECT/DM/HIDMM.O
160$:SELECT:LA61A/STARS/OBJECT/DM/FDEBO.O
170$:SELECT:LA61A/STARS/OBJECT/DM/PICND.O
180$:EXECUTE
190$:LIMITS:199,29K,,19K
200$:FILE:01,A3CR,600L
210$:PRMFL:03,R,S,LA61A/STARS/COMMON/DM/THREESIM
220$:TAPE9:04,A4DD,,&SHOP-T#.,,###
230$:DATA:05
240$:SELECTA:LA61A/STARS/COMMON/DM/&ACLIST.
250$:REMOTE:07
260$:TAPE9:11,A5DD,,&VSL-T#.,,###
270$:TAPE9:12,A6DD,,&APP-T#.,,###
280$:OPTION:FORTRAN
290$:SELECT:LA61A/STARS/OBJECT/DM/HDR.O
300$:EXECUTE
310$:LIMITS:99,15K,,1K
320$:TAPE9:01,A7DD,,&D01-T#.,,###
330$:FILE:02,A3SS
340$:TAPE9:03,A8CC,,,,&DIST-T-NAME.***
350$:IF:ABORT,LX1
360$:GOTO:NX1
370$:NOTE
380$:NOTE
390$:NOTE:SAVE OUTPUT FROM HIDMM ON TAPE
400$ LX1. LABEL
410$:UTILITY
420$:LIMITS:20,10K,,1K
430$:FUTIL:AA,BB,REW/AA,BB/,COPY/1F/
440$:FILE:AA,A3RR
450$:TAPE9:BB,A8CD,,,,&DIST-T-NAME.***
460$:IF:ABORT,ENDJOB
470$ NX1. LABEL
480$:ENDJOB
```

FIGURE 5. JCL FOR THE DISTRIBUTION MODEL

7. BNRTS - The percentage of breaks which are "Not Repairable This Station" at the base.

8. BRESDAYS - The expected number of days it takes to repair a component at base (including any delay awaiting SRUs).

9. DRESDAYS - The expected number of days between when a component is declared NRTS (when an order is made to the depot) and when the replacement arrives from the depot (including any delay at the depot due to lack of spares there).

If a setup run is being made for a single MDS at a particular base (see the first example in the Job Submission Procedures section) and the component is not installed on any other MDS at that base then the Setup Program simply transfers the data from the Distribution Model output tape to the SGM Spares Input File. However, certain cases require the Setup Program to make calculations based on some important assumptions. The explanations follow.

The organization to be set up need not possess only one MDS. For example, the SGM run desired may be for an F-15 wing consisting of 54 F-15As and six F-15Bs. The QPAs and FAPs for a component of these MDSs may not be the same. The SGM needs a single QPA and a single FAP which represents the components application to the entire wing. The Setup Program sets the QPA for the wing to the maximum of the QPAs for the individual MDSs. The FAP is chosen so as to give the correct total number installed. In the example, if a component's QPA and FAP for the F-15A were one and 1.0, respectively, and to the F-15B two and 0.8, respectively, then the QPA for the wing would be two, and to get the FAP we compute:

$$\text{Total Installed} = (1 \times 1.0 \times 54) + (2 \times 0.8 \times 6) = 63.6$$

$$= 2 \times \text{FAP} \times 60$$

$$\text{FAP} = 0.53$$

For a particular component, the Distribution Model considers the demands for that component at each base and the depot, and distributes the assets so as to minimize the total expected backorders for that component. If, at a particular base, there is only one aircraft type that uses the component, then all the spares allocated to that base by the Distribution Model are designated for use by that aircraft, and the total expected number in resupply at that

base are from that aircraft. However, if the component is common to two or more aircraft types then the input to the SGM for one of those aircraft types should reflect the sharing of the spares and the number of units in resupply. This sharing is modeled in the following way.

For a component that is common to more than one aircraft type at a particular base, each aircraft type is responsible for a proportion of the total demands for that component at that base. The spares at that base are partitioned (rounded to the nearest integer) to the aircraft types in proportion to their shares of the demands. The expected number in resupply for an aircraft type is chosen so that the expected backorders for that aircraft type (given the number of spares just computed) will be equal to the total expected backorders at that base times that aircraft type's share. In the previous example, suppose the share for the F-15 wing is .5; that is, half of the expected demands for that component at that base come from other aircraft. Now, suppose the expected number in resupply is 3.45236 and there are six spares. The F-15 wing gets three spares and the number of units in resupply for the wing is that number which would give an EBO for the wing equal to .5 times the EBO for the whole base. The EBO for the whole base is the EBO for six spares and an expected number in resupply of 3.45236. (The base EBO equals 0.10.) The EBO for the wing is 0.05 and the expected number in resupply which, with three spares, yields that EBO is 1.25290.

For the component and base in this example, the inputs to the SGM would include:

```
      QPA = 2
      FAP = 0.53
  NSPARES = 3
RESUPPLY = 1.25290
```

The principal assumption in letting the EBO and the number of spares prorate linearly with the share of demands is that there is no economy of scale benefit from the sharing of the spares pool at a base. While this assumption is very inaccurate for peacetime operations, in a surge scenario it is quite good. In computing NSPARES, the Setup Program rounds to the nearest integer. This obviously introduces some error. The error attributable to the linearity of the prorating is less than the error of the rounding.

In addition to modeling an organization of aircraft at a particular base, the SGM can be used to model a "notional" base. For a particular set of MDSs, the notional base should produce sorties at a rate that is the average of all the bases that have any of the MDSs in the set. This allows the user to estimate the total world-wide sortie production of a particular set of MDSs by making a single notional SGM run and multiplying the results by the number of bases which have any of the MDSs in the set. In setting up the spares inputs to the SGM for a notional base, one depends heavily on the linear prorating assumption. However, it is with the notional base model that we have validated the accuracy of that assumption.

For the notional base, the computation of the number of spares and the expected number in resupply is essentially the same as for a particular base except the spares and EBO are prorated in proportion to a share of the world-wide total.

First, the total number of spares and total EBO at all the bases are computed. Next, the percentage of the total world-wide expected demands for that component that come from the aircraft type of interest is computed. Also, the total number of bases that use both the component and aircraft type (NBASES) is computed. The share of the total world-wide demands for the component due to one notional base equals the percentage of total demands due

to the aircraft type of interest, divided by NBASES. The number of spares for the notional base is then prorated from the world-wide total proportional to this share, exactly the same way as for a particular base. The EBO is prorated the same way and the expected number in resupply is chosen to give the correct EBO, exactly as in the particular base computation.

Inputs

In order to run the Setup Program for a particular base, the user needs to have the tape number of the output file produced by the Distribution Model. One may wish to copy that tape so that, in the event that one needs to run Setup Programs repeatedly, there will be no delay waiting for one run to finish with the tape before it can be used for another. The user also needs the base number from the Base List for the particular base of interest, and he needs to specify each MDS at the particular base. He also needs to specify a value for flying hours per day. The use that is made of this value is to sort components according to the likelihood that they will suffer shortages that will constrain the sortie-generation capability of the organization. The actual value specified need only be approximate. Finally, the user must be prepared to specify his choice of a file name for the output file that the Setup Program will write on disc for use by the SGM. The entries required to run the Setup Program for a particular base are shown in Figure 6.

In order to run the Setup Program for a notional base, the user does not need to specify a base number; however, he does need to specify all MDSs he wishes to have combined in the notional base. In the example shown in Figure 7, the intention is to construct a notional F-4 base; thus, the user specifies the RF-4C, F-4E, and F-4G to be included.

```
SYSTEM ?RUNY LA61A/SUBMIT,R

***** STARS SUBMIT SUBSYSTEM *****

=RUN LA61A/STARS/JCL/DM/SET1UP
ENTER IDENT        ?
=OS2011N232D ,OS29USLAY
ENTER NAME         ?
=ABELL
ENTER DIST-T#      ?
=26393
ENTER OUTFILE      ?
=F4/SEYMOUR
ENTER BASE-#       ?
=135
ENTER FHPERDAY     ?
=3
ENTER MDS          ?
="  F004E"

JOB SUBMITTED
  SNUMB # 7159U
```

FIGURE 6. RUNNING A SETUP PROGRAM FOR A PARTICULAR BASE

Job Submission Procedures

The example shown in Figure 6 is for a base with a single MDS of interest; hence, the JCL carries the name SET1UP. The JCL is shown in Figure 8. Other examples of JCL are shown in Figures 9 through 11 for particular bases with two, three, or four MDSs. The user can easily construct JCL for particular bases with more than four MDSs by straightforward extension.

Figure 7 shows the entries required to run the Setup Program for a notional base. In the example chosen, the F-4 is the weapon system of interest. Since there are three MDSs involved, as mentioned previously, the JCL has the name SET3UPN. The JCL for one, two, three, and four MDSs are shown in Figures 12 through 15. Again, the user can create JCL for more than four MDSs by simple extension.

```
SYSTEM ?RUNY LA61A/SUBMIT,R


***** STARS SUBMIT SUBSYSTEM *****


=RUN LA61A/STARS/JCL/DM/SET3UPN
ENTER IDENT        ?
=0S2011N232D ,0S29USLAY
ENTER NAME         ?
=ABELL
ENTER DIST-T#      ?
=26393
ENTER OUTFILE      ?
=F4/NOTIONAL
ENTER FHPERDAY     ?
=3
ENTER MDS1         ?
=" RF004C"
ENTER MDS2         ?
="  F004E"
ENTER MDS3         ?
="  F004G"


JOB SUBMITTED
  SNUMB # 7218U
```

FIGURE 7. RUNNING A SETUP PROGRAM FOR A NOTIONAL BASE

```
*LIST LA61A/STARS/JCL/DM/SET1UP

100##N,R(XL)
110$:IDENT:&IDENT.
120$:NOTE:SET1UP RUN FOR &NAME.
130$:OPTION:FORTRAN
140$:SELECT:LA61A/STARS/OBJECT/DM/SETUP.O
150$:SELECT:LA61A/LMILIB.O/PIPECMPO
160$:SELECT:LA61A/LMILIB.O/EBOCMP.O
170$:SELECT:LA61A/LMILIB.O/DFACTLNO
175$:SELECT:LA61A/LMILIB.O/MSORTD.O
180$:EXECUTE
190$:LIMITS:39,25K,,10K
200$:TAPE9:01,A1DD,,&DIST-T#.,,###
210$:PRMFL:02,W,S,LA61A/SLAY/DATA/&OUTFILE.
220$:DATA:05
230#&BASE-#.
235#&FHPERDAY.
240#&MDS.
250$:ENDJOB
```

FIGURE 8. JCL FOR A SETUP PROGRAM FOR A PARTICULAR BASE WITH ONE MDS

```
*LIST LA61A/STARS/JCL/DM/SET2UP

100##N,R(XL)
110$:IDENT:&IDENT.
120$:NOTE:SET2UP RUN FOR &NAME.
130$:OPTION:FORTRAN
140$:SELECT:LA61A/STARS/OBJECT/DM/SETUP.O
150$:SELECT:LA61A/LMILIB.O/PIPECMPO
160$:SELECT:LA61A/LMILIB.O/EBOCMP.O
170$:SELECT:LA61A/LMILIB.O/DFACTLNO
175$:SELECT:LA61A/LMILIB.O/MSORTD.O
180$:EXECUTE
190$:LIMITS:39,25K,,10K
200$:TAPE9:01,A1DD,,&DIST-T#.,,###
210$:PRMFL:02,W,S,LA61A/SLAY/DATA/&OUTFILE.
220$:DATA:05
230#&BASE-#.
235#&FHPERDAY.
240#&MDS1.
242#&MDS2.
250$:ENDJOB
```

FIGURE 9. JCL FOR A SETUP PROGRAM FOR A PARTICULAR BASE WITH TWO MDSs

```
*LIST LA61A/STARS/JCL/DM/SET3UP

100##N,R(XL)
110$:IDENT:&IDENT.
120$:NOTE:SET3UP RUN FOR &NAME.
130$:OPTION:FORTRAN
140$:SELECT:LA61A/STARS/OBJECT/DM/SETUP.O
150$:SELECT:LA61A/LMILIB.O/PIPECMPO
160$:SELECT:LA61A/LMILIB.O/EBOCMP.O
170$:SELECT:LA61A/LMILIB.O/DFACTLNO
175$:SELECT:LA61A/LMILIB.O/MSORTD.O
180$:EXECUTE
190$:LIMITS:39,25K,,10K
200$:TAPE9:01,A1DD,,&DIST-T#.,,###
210$:PRMFL:02,W,S,LA61A/SLAY/DATA/&OUTFILE.
220$:DATA:05
230#&BASE-#.
235#&FHPERDAY.
240#&MDS1.
242#&MDS2.
244#&MDS3.
250$:ENDJOB
```

FIGURE 10. JCL FOR A SETUP PROGRAM FOR A PARTICULAR BASE WITH THREE MDSs

```
*LIST LA61A/STARS/JCL/DM/SET4UP

100##N,R(XL)
110$:IDENT:&IDENT.
120$:NOTE:SET4UP RUN FOR &NAME.
130$:OPTION:FORTRAN
140$:SELECT:LA61A/STARS/OBJECT/DM/SETUP.O
150$:SELECT:LA61A/LMILIB.O/PIPECMPO
160$:SELECT:LA61A/LMILIB.O/EBOCMP.O
170$:SELECT:LA61A/LMILIB.O/DFACTLNO
175$:SELECT:LA61A/LMILIB.O/MSORTD.O
180$:EXECUTE
190$:LIMITS:39,25K,,10K
200$:TAPE9:01,A1DD,,&DIST-T#.,,###
210$:PRMFL:02,W,S,LA61A/SLAY/DATA/&OUTFILE.
220$:DATA:05
230#&BASE-#.
235#&FHPERDAY.
240#&MDS1.
242#&MDS2.
244#&MDS3.
246#&MDS4.
250$:ENDJOB
```

FIGURE 11. JCL FOR A SETUP PROGRAM FOR A PARTICULAR BASE WITH FOUR MDSs

```
*LIST LA61A/STARS/JCL/DM/SET1UPN

100##N,R(XL)
110$:IDENT:&IDENT.
120$:NOTE:SET1UPN RUN FOR &NAME.
130$:OPTION:FORTRAN
140$:SELECT:LA61A/STARS/OBJECT/DM/SETUPN.O
150$:SELECT:LA61A/LMILIB.O/PIPECMPO
160$:SELECT:LA61A/LMILIB.O/EBOCMP.O
170$:SELECT:LA61A/LMILIB.O/DFACTLNO
175$:SELECT:LA61A/LMILIB.O/MSORTD.O
180$:EXECUTE
190$:LIMITS:39,25K,,10K
200$:TAPE9:01,A1DD,,&DIST-T#.,,###
210$:PRMFL:02,W,S,LA61A/SLAY/DATA/&OUTFILE.
220$:DATA:05
235#&FHPERDAY.
240#&MDS.
250$:ENDJOB
```

FIGURE 12. JCL FOR A SETUP PROGRAM FOR A NOTIONAL BASE FOR ONE MDS

```
*LIST LA61A/STARS/JCL/DM/SET2UPN

100##N,R(XL)
110$:IDENT:&IDENT.
120$:NOTE:SET2UPN RUN FOR &NAME.
130$:OPTION:FORTRAN
140$:SELECT:LA61A/STARS/OBJECT/DM/SETUPN.O
150$:SELECT:LA61A/LMILIB.O/PIPECMPO
160$:SELECT:LA61A/LMILIB.O/EBOCMP.O
170$:SELECT:LA61A/LMILIB.O/DFACTLNO
175$:SELECT:LA61A/LMILIB.O/MSORTD.O
180$:EXECUTE
190$:LIMITS:39,25K,,10K
200$:TAPE9:01,A1DD,,&DIST-T#.,,###
210$:PRMFL:02,W,S,LA61A/SLAY/DATA/&OUTFILE.
220$:DATA:05
235#&FHPERDAY.
240#&MDS1.
242#&MDS2.
250$:ENDJOB
```

FIGURE 13. JCL FOR A SETUP PROGRAM FOR A NOTIONAL BASE FOR AN MD WITH TWO MDSs

```
*LIST LA61A/STARS/JCL/DM/SET3UPN

100##N,R(XL)
110$:IDENT:&IDENT.
120$:NOTE:SET3UPN RUN FOR &NAME.
130$:OPTION:FORTRAN
140$:SELECT:LA61A/STARS/OBJECT/DM/SETUPN.O
150$:SELECT:LA61A/LMILIB.O/PIPECMPO
160$:SELECT:LA61A/LMILIB.O/EBOCMP.O
170$:SELECT:LA61A/LMILIB.O/DFACTLNO
175$:SELECT:LA61A/LMILIB.O/MSORTD.O
180$:EXECUTE
190$:LIMITS:39,25K,,10K
200$:TAPE9:01,A1DD,,&DIST-T#.,,###
210$:PRMFL:02,W,S,LA61A/SLAY/DATA/&OUTFILE.
220$:DATA:05
235#&FHPERDAY.
240#&MDS1.
242#&MDS2.
244#&MDS3.
250$:ENDJOB
```

FIGURE 14. JCL FOR A SETUP PROGRAM FOR A NOTIONAL BASE FOR AN MD WITH THREE MDSs

```
*LIST LA61A/STARS/JCL/DM/SET4UPN

100##N,R(XL)
110$:IDENT:&IDENT.
120$:NOTE:SET4UPN RUN FOR &NAME.
130$:OPTION:FORTRAN
140$:SELECT:LA61A/STARS/OBJECT/DM/SETUPN.O
150$:SELECT:LA61A/LMILIB.O/PIPECMPO
160$:SELECT:LA61A/LMILIB.O/EBOCMP.O
170$:SELECT:LA61A/LMILIB.O/DFACTLNO
175$:SELECT:LA61A/LMILIB.O/MSORTD.O
180$:EXECUTE
190$:LIMITS:39,25K,,10K
200$:TAPE9:01,A1DD,,&DIST-T#.,,###
210$:PRMFL:02,W,S,LA61A/SLAY/DATA/&OUTFILE.
220$:DATA:05
235#&FHPERDAY.
240#&MDS1.
242#&MDS2.
244#&MDS3.
246#&MDS4.
250$:ENDJOB
```

FIGURE 15. JCL FOR A SETUP PROGRAM FOR A NOTIONAL BASE FOR AN MD WITH FOUR MDSs

A listing of the source code for the Setup Program for a particular base is contained in Appendix G. Appendix H contains the source program for a notional base.

Appendices J and K contain samples of output file listings produced by the Setup Programs for a particular base and a notional base, respectively.

WAR RESERVE SPARES

War reserve spares are easily modelled by the SGM system. In running the Aircraft Availability Model, the user must exclude war reserve spares from the asset position. Then, the Air Force Logistics Command's D029 system output file is used to determine the range and depth of the particular war reserve spares kit (WRSK) of interest and those quantities by stock number are simply added to the output file of the Setup Program. If the UE strength of the base of interest is different from the UE strength for which the WRSK was designed,

the user must adjust the quantities in the WRSK as he deems appropriate. The addition of war reserve spares to the output of the Setup Program can be done with a simple program of the user's design or even with the system's edit capability.

APPENDIX A

SOURCE CODE OF THE SHOPPING LIST PROGRAM

```
SYSTEM ?LIST LA61A/STARS/SOURCE/IR/SSHOP01

990C ** ** SSHOP01 6/12/81 FOR IR PASSES SRUEBO FROM SHIIRE01.
1000C ** ** SHOPL04 5/12/81  FOR INDENTURE-REPAIR
1010C        THIS VERSION IS GREATLY MODIFIED W/ MORE PRINTOUT AND COMMENTS
1020C ** ** SHOPL03 2/12/81  INDENTURE REPAIR
1030C       ADDED STATEMENTS TO WRITE TO FILE 6
1040C
1050C ** ** SHOPL01 1/28/81 FOR INDENTURE-REPAIR
1060      DIMENSION CSV(45),INUXMD(45),SHARE(45),NAIR(45)
1070      REAL MACCASHR(45),MACCASHP(45),MXCOST
1080      CHARACTER NSN*18,ALC*2,SMC*4,SONSNT*18(200),MD*4,MACMD*4(45)
1090      CHARACTER MDI*3,IEC*3
1100      INTEGER NWRITES/0/,ITARGET
1110      LOGICAL DEBUG
1120      CALL RANSIZ(02,365,0)
1130      READ(02'1)NDECIDE,NAIR,MACMD,DATEL,TIMEL
1140      WRITE(4)"ZZZZZZZZZZZZZZZZZZ",0.
1150      NUMMD=0
1160    2 NUMMD=NUMMD+1
1170      IF(MACMD(NUMMD).NE."ZNUL")GO TO 2
1180      READ(03,5)IDECIDE
1190    5 FORMAT(V)
1200      IF(IDECIDE.GT.NDECIDE)IDECIDE=NDECIDE
1210      READ(02'IDECIDE+2)CSV,CSV,CSV
1220      WRITE(6,10)NDECIDE,IDECIDE
1230   10 FORMAT("1 NDECIDE,IDECIDE =",2I3)
1240      DO 15 I=1,NUMMD
1250         WRITE(6,12)MACMD(I),CSV(I)
1260   12    FORMAT("  MACMD,CSV = ",A4,E12.5)
1270   15 CONTINUE
1280      WRITE(5)IDECIDE
1290C
1300C
1310C*************************************************************
1320C**** BEGIN NEW COMPONENT.  INITIALIZE # BOUGHT AND MXCOST.
1330C****   MXCOST IS THE MAX, OVER ALL MD'S, OF THE $'S TO THE COMPONENT.
1340   20 LRUSBAWT=0
1350      MXCOST=0.
1360      READ(1,END=999)
1370     &NSN,COST,RCOST,ALC,SMC,TASSE,MAXREP,MWRMA,MWRMR,
1380     &COMINS,COMINSR,COMMSRU,COMMSRUR,COMNAS,COMNASR,COMNEG,COMNEGR,
1390     &COMPIP,COMPIPR,PCOMSRU,PCOMSRUR,EBOS,SVPBAWT,NSONS,MDCT
1400     &,MDI,IEC
1410      DEBUG=(NSN.GT."284000000".AND.NSN.LT."284000002")
1420     &.OR.NSN.GT."99999"
1430      IF(DEBUG)PRINT,"  TAPE 1 HEADER ",
1440     &NSN,COST,RCOST,ALC,SMC,TASSE,MAXREP,MWRMA,MWRMR,COMINS,
1450     &COMINSR,COMMSRU,COMMSRUR,COMNAS,COMNASR,COMNEG,COMNEGR,COMPIP,
1460     &COMPIPR,PCOMSRU,PCOMSRUR,EBOS,SVPBAWT,NSONS,MDCT,MDI,IEC
1470      IF(NSONS.GT.0)READ(1)(SONSNT(I),I=1,NSONS)
1480      IF(DEBUG.AND.NSONS.GT.0)PRINT,(SONSNT(I),I=1,NSONS)
```

```
1490      SUNKC=COMINS+COMNAS+COMNEG+COMPIP
1500      SUNKR=COMINSR+COMNASR+COMNEGR+COMPIPR
1510      NPROC=(SUNKC-SUNKR)/COST+.5
1520      NREP=SUNKR/RCOST+.5
1530      ITASSE=TASSE+.5
1540      IF(TASSE.LE.-.5)ITASSE=ITASSE-1
1550      ITASSE=ITASSE+NPROC+NREP
1560      IF(DEBUG)PRINT," NPROC,NREP,ITASSE=",NPROC,NREP,ITASSE
1570C
1580C**** PROCESS ALL MD'S THAT THE COMPONENT IS INSTALLED ON.
1585      SVLAST=1.
1590      DO 80 I=1,MDCT
1600         READ(1)MD,SHARE(I),NREC
1610         IF(DEBUG)PRINT,MD,SHARE(I),NREC
1620C*    === FIND MD
1630         DO 30 J=1,NUMMD
1640            IF(MD.EQ.MACMD(J))GO TO 40
1650   30    CONTINUE
1660C*    === COULDN'T FIND MD
1670         PRINT,"  (*)(*)(*) ",MD,".NE.ANY MD'S LISTED"
1680         INDXMD(I)=NUMMD
1690         IF(NREC.EQ.0)GO TO 80
1700         DO 35 K=1,NREC
1710            READ(1)
1720   35    CONTINUE
1730         GO TO 80
1740C
1750C*    === POCESS THIS MD.  UPDATE IF TCOST EXCEEDS MXCOST.
1760   40    TCOST=0.
1770         INDXMD(I)=J
1780         IF(NREC.EQ.0)GO TO 80
1790         DO 50 K=1,NREC
1800            READ(1)SV,GLCOST,GLCOSTR,NLRUS,SVP,SRUEBO
1810            IF(DEBUG)PRINT,"  REC IS ",SV,GLCOST,GLCOSTR,NLRUS,SVP
1820            IF(SV.LT.CSV(J))GO TO 60
1830            TCOST=TCOST+GLCOST/SHARE(I)
1840            IF(TCOST.LE.MXCOST)GO TO 50
1845            SVLAST=SV
1850            MXCOST=TCOST
1860            LRUSBAWT=NLRUS
1870            SVPBAWT=SVP
1875            SRUEBAWT=SRUEBO
1880   50    CONTINUE
1890         GO TO 80
1900   60    IF(K.EQ.NREC)GO TO 80
1910         DO 70 L=K+1,NREC
1920            READ(1)
1930   70    CONTINUE
1940C
1950   80 CONTINUE
1960C
1970C
1980C**** COMPUTE FINAL VALUES AND WRITE.
```

```
1990      ITARGET=ITASSE+LRUSBAWT
2000      NLRUSPRO=MAX(NPROC,NPROC+LRUSBAWT-MAXREP)
2010      NLRUSREP=NREP+NPROC+LRUSBAWT-NLRUSPRO
2020      IF(DEBUG)PRINT,"  ITARGET,NLRUSPRO=",ITARGET,NLRUSPRO
2030      DO 90 I=1,MDCT
2040      IXMD=INDXMD(I)
2050      MACCASHP(IXMD)=MACCASHP(IXMD)+SHARE(I)*NLRUSPRO*COST
2060      MACCASHR(IXMD)=MACCASHR(IXMD)+SHARE(I)*NLRUSREP*RCOST
2070   90 CONTINUE
2080      IF(NSONS.LE.0)GO TO 105
2090      DO 100 I=1,NSONS
2100  100 WRITE(4)SONSNT(I),SVPBAWT
2110  105 NWRITES=NWRITES+1
2120      IF(MOD(NWRITES,50).EQ.1)WRITE(6,150)
2130  150 FORMAT("1      NSN",9X,"ALC  SMC   COST",5X,"RCOST",3X,
2140     &"TARGET NLRUSREP NLRUSPRO  SVLAST    EBOS   ITASSE  NREP NPROC"
2145     & ," LAST MD  NREC  SRUEBO")
2150      WRITE(5)NSN,ALC,SMC,COST,RCOST,ITARGET,NLRUSREP,NLRUSPRO,SRUEBAWT
2160      WRITE(6,200)NSN,ALC,SMC,COST,RCOST,ITARGET,NLRUSREP,NLRUSPRO
2170     & ,SVLAST,EBOS,ITASSE,NREP,NPROC,MACMD(IXMD),NREC,SRUEBAWT
2180  200 FORMAT(1X,A18,1X,A2,1X,A4,F10.2,F9.2,I6,2I9,1X,2E9.2,
2185     & 3I6,4X,A4,I7,F9.2)
2190      GO TO 20
2200C
2210C
2220C
2230C*************************************************************
2240C**** END LOGIC
2250   999 REWIND 9
2260      WRITE(9,1050)NUMMD
2270 1050 FORMAT(1X,I3)
2280      WRITE(9,1060)(MACMD(I),I=1,NUMMD)
2290 1060 FORMAT(1X,A4)
2300      WRITE(9)(MACCASHR(I),I=1,NUMMD)
2310      WRITE(9)(MACCASHP(I),I=1,NUMMD)
2320      PRINT,"  NWRITES=",NWRITES
2330      STOP;END
```

APPENDIX B

SAMPLE OF OUTPUT FROM THE

SHOPPING LIST PROGRAM

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

 $$$$$$             $$$$             $$$$$               $              $    $
      $           $    $            $                  $$              $    $
     $            $    $            $$$$$                $              $    $
    $             $    $                 $               $              $    $
   $              $    $            $    $               $              $    $
  $                $$$$               $$$$              $$$               $$$$

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


$$     7051U ENTERED C       AT 11.258 FROM TSS/S   0-08-16


0001  $       SNUMB    7051U
0002  $       COMMENT 0S29SLAY         TSS CARDIN
0003  $$      USERID  0S29SLAYS##########
0004  $       IDENT   0S2011N232D ,0S29USLAY                                   0110
0005  $       NOTE    SSHOP (LRU SHOPPING LIST WITH SRUEBO) RUN FOR ABELL       120
0006  $       MSG1    4,ULGSSIWRM80S3,0S2942,090                                130
0007  $       OPTION  FORTRAN                                                 00140
0008  $$      SELECT  LA61A/STARS/OBJECT/IR/SSHOP.C                           00150
0009* $       OBJECT   SSHOP01 6/12/81 FOR IR PASSES SRUEBO FROM  Y16.384090481......00
0011 A$       EXECUTE                                                        000160
0012  $       LIMITS  39,14K,,25K                                             00170
0013  $       TAPE9   01,X1DD,,28506,,###                                      0180
0014  $$      PRMFL   02,R,R,LA61A/STARS/JOBS/IWRM80S3/ISTAT                   0190
0015  $       DATA    03                                                        200
0016  $       FILE    04,NULL                                                   220
0017  $       TAPE9   05,T1D,,,,SSIWRM80S3***                                  0230
0018  $       FILE    09,NULL                                                   240
0019  $       ENDJOB                                                         000250
  TOTAL CARD COUNT THIS JOB = 000072


 * BEGIN ACTIVITY -01-  GELOAD   09/05/81   SW=000000000000
OPERATOR STARTED   WITH #21971 FOR FILE CODE 05 GE  600 BTL  AFDSC 21971 21971  0001 81248   000
INPUT STARTED      WITH #28506  FOR FILE CODE 01 GE  600 BTL  AFDSC 28506 28506  0001 81164   000
  * NORMAL TERMINATION      AT 021103 I=5000 SW=000000000000

      START 11.955      LINES  19707      PROC  0.2299       I/O   0.069    IU  5   MEMORY   14K
      STOP  12.264      LIMIT  25600      LIMIT 0.3900       LIMIT            CU  5   M*T    17834
      SWAP   0.000
      LAPSE  0.309   FC D TYPE      BUSY     IP/AT     FP/RT     IS/#C MS/#E    ADDRESS T#

                     03 R D191 *      16         0         1         1     1    0-08-16
                     R* R D191 *     126         0         0         6     6    0-08-16
                     01 D TAP9    220600                0/03     16778     0    0-16-04 #28506
                     02 R D191 P      65         0         0       100  100R    0-08-11
                     04   NULL       133         0         0         *     *    0-00-00
                     05 D TAP9      9561                0/03       821     0    0-16-05 #21971
                     09   NULL         3         0         0         *     *    0-00-00
                     P*  SYOUT
                     L* R D191 *     905         0         0       624  624R    0-08-02

       LIST    113 LINES AT STA.  XL
       RC-06 19563 LINES AT STA.  XL
       RC-52    31 LINES AT STA.  XL
```

PROCESSOR	I/O	CORE	TOTAL
$ 7.36	$ 4.06	$ 5.00	$ 16.42

SNUMB = 70510, ACTIVITY # = 01, REPORT CODE = 74, RECORD COUNT = 000113

ORIGIN	DATE	MODULE	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION

SUBPROGRAMS INCLUDED IN DECK.

		$	OPTION	FORTRAN			00140
032312	09/04/81	....	 032312				
			.DATA. 030220				

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

027100	11/08/73	FRDB	.FRDB. 027427	.FWRB. 027166	.FBLT. 027740	.FBDT. 027726	.FRLR. 027632
			.FWLR. 027660	.FBBC. 027575	.FBBCA 027573		
026552	05/18/73	FRDD	.FRDD. 026722	.FWRD. 026723	.FPUN. 026724	.FENC. 026725	.FDEC. 026726
			.FRCD. 026727	.FPRN. 026730	.FRTN. 026731	.FFIL. 026732	.DBCNV 026733
			.BDCNV 026755	..ABLK 026565	.QCOMP 026614	..LNSZ 026624	..A37R 026721
			.PRNIT 026567	.ASTRK 027074	..TC 026571	.POINT 026611	.SIGN 026612
			.FRMTR 026774	.FRMTZ 026774	.PUINT 026570	.FILL 026622	..A2 026556
			.FXMC. 026553	..A7 026620	..A1 026556	..A3 026566	..A4 026616
			..A8 026622	..A9 026625	..A13 026626	..A14 026627	..A15 026630
			..A17 026631	..A18 026556	..A21 026634	..A24 026556	..A30 026773
			..A31 026645	..A27 026642	..A32 026670	..A33 026672	..A34 026673
			..A35 026674	..A37 026715	..A51 026554	..A52 026552	.LPRCH 026560
			.CMACH 026561	.ECHR 026562	.OCT60 026557	.UPPRT 026563	.UPPRF 026564
			.LWRT 026563	.LWRF 026564	.RCW18 026644		
023202	04/11/77	FDIO	.FRD 025763	.FWRT 025677	.FPN 025672	.FNC 026104	.FDC 026127
			.FCD 025763	.FPR 025677	.FFL 026067	.FRT 026054	.IO1 025532
			.IO5 025625	.LBCTR 026467	.EFDBC 026542	.FCNVI 024000	.FCNVR 024007
			.FCNV2 024072	.SKPB1 023760	.INCTR 026544	.CKSTA 024165	.FMSC1 023235
			.FMSC2 023223	.FMSC4 023240	.FMSC5 023275	.FMSC6 023247	.EFFLG 026543
			.SVRG 023206	.RETIN 023221	.GTARG 025707	.SXIT 023312	.LNBGN 026155
			.SKPB4 023767	.VLIST 023716	.CSCFP 023330	.CFFXD 023320	.CEFLT 023402
			.CDFLT 023401	.CSLSH 025516	.CDCPT 024101	.CSCFM 023326	.CCMMA 023344
			.CRPAR 023440	.CLPAR 023404	.LBUFF 026470	.SKPB3 023774	.CKSTP 024147
			..CKST 024157	.DATUM 026452	..STOP 024342	.VCOMA 024766	..CCR 025001
			.CN1 024202	.FWSZ 026532	.FCNV. 024057	.STP 024335	.FCNVD 024016
			.FCNVL 024026	.FCNVC 024035			
023130	05/15/73	FEOF	.FEOF. 023130				
022764	04/11/77	FSLW	.FSLFW 022764				
022604	05/18/73	FFFT	.FFFT. 022604	.FRWT. 022611	.FFFTS 022616		
022260	05/09/73	FXFM	FXFM 022271	.FXEM. 022270	.F.XF 022301	F.XMC 022430	.TABI 022560
			.LSTMS 022570	.KIND 022404	.BUGG 022403	.MXERR 022272	..FX1 022274
			..FX2 022316	..FX3 022324	..FX10 022413	.LRG 022340	..FX8 022324
			..FX9 022315	.CLLR 022534	.EYDEF 022536	..FX4 022326	..FX5 022325
			..FX6 022371	..FX7 022420			
021120	04/11/77	FXFM	.FXM. 021140	F.XM 021574	ANYERR 021743	FXOPT 021625	FXOVCK 021665
			.FGERR 021616	FXALT 021702	.FXALT 021714	S.REG. 021130	FXDV 022220
			FXFDV 022216	FXCODE 021553	.TSMS 021716	.MSX 021722	.FXPNT 021454
			.FXIRC 021227	.FXSW1 021554	.FXSW2 021560	.FXSW3 021564	ERRLK 021751
			.FLTPR 021753				
021040	05/30/73	FXIT	.FFXIT 021040	EXIT 021040	.JFXIT 021040	JFXIT 021040	
020260	04/11/77	FOPF	.FOPEN 020307	.FBAD. 020302	.FBFTB 020761	.FXOP. 020530	.FGTFB 020303
			.FJOV. 020305				

ORIGIN	DATE	MODULE	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION
020022	07/09/72	FDPT	.FIDO. 020136				
017624	10/26/72	FCOM	.FCOM. 017636	.FCOMA 017633	.FCOM 017640		
015630	04/11/77	FRRD	.FRRR. 015755	.FWRR. 015757	.FRWD. 015630	.FRRD. 015673	.FRDT. 016002
			.FRLT. 016014	.FRST. 016024	.FRSTA 016022	.FRLO. 016250	.FRDO. 016255
			.FRLI. 016261	.FRDI. 016265	.FRSO. 016247	.FRSI. 016261	RANSIZ 016271
015572	05/11/73	FSLI	.FSLII 015624	.FSLIO 015600	.FSLIB 015572		
015446	06/21/73	FSTU	.FSETU 015473	.SFTU. 015473	.RCOV 015462	FPARAM 015446	.FMDB. 015463
			.FTL 015471	.FLTX1 015471	.LTUSZ 015464		
015444	08/09/73	FBCD	.ASCB. 015444	.ASCB 015444			
015242	04/05/73	FTAB	.GTAB. 015242				
015236	04/11/77	FMXN	.MXNO 015236	.NMXNO 015237	.GFLG 015240	.FRENT 015241	
015136	07/09/72	GRED	.GREAD 015136	.GAREA 015136	READ 015136		
015040	07/09/72	GWRT	.GWRIT 015040	.GAWRI 015040	WRITE 015040		
014756	07/09/72	GWAI	.GWAIT 014756	.GAWAI 014756	WAIT 014756		
014726	07/09/72	GSTI	.GSTIN 014726	SETIN 014726			
014632	07/09/72	GSTO	.GSTOT 014632	SETOUT 014632			
014562	07/09/72	GWRC	.GWTRC 014562	.GAWTR 014562	WTREC 014562		
014032	06/18/73	GGTB	.GGTBK 014032	GETBK 014032	.GGET 014034	GET 014034	.GAGTB 014032
			.GAGET 014034	.GR001 014036			
014024	07/09/72	GRMT	.GOPNR 014024	.GCLSR 014024	.GGETR 014024	.GPUTR 014024	
013276	11/08/73	GPTB	.GCOPY 013276	COPY 013276	.GPTBK 013301	PUTBK 013301	.GPUT 013304
			PUT 013304	.GACOP 013276	.GAPTB 013301	.GAPUT 013304	.GER67 014001
013200	07/09/72	GPSZ	.GPTSZ 013200	.GAPTS 013200	PUTSZ 013200		
012414	04/26/73	GOPE	.GOPEN 012414	.GAOPE 012414	OPEN 012414		
012406	07/09/72	GRNT	.GXREA 012406	.GXWRT 012406	.GXLAB 012406	.GXOPN 012407	
011732	06/05/73	GCLO	.GCLSE 011732	.GACLS 011732	.GR185 012042	.GR186 012134	.GR178 012047
			CLOSE 011732	.GBCLS 011732			
011632	07/09/72	GREL	.GRLSE 011632	.GARLS 011632	RELSE 011632		
011450	07/09/72	G20R	.GR200 011450				
011366	07/09/72	G25R	.GR225 011366				
011312	04/26/73	G50R	.GR250 011312				
011034	11/08/73	G27R	.GR275 011034				
010662	07/09/72	G37R	.GR377 010720	.GR375 010662	.GR37X 010737	.GR390 010757	
010640	07/09/72	G60R	.GR960 010645	.GABTB 010640			
010362	07/09/72	G80R	.GR980 010362	.GR979 010454	.GR99X 010366	.GR984 010424	.GR985 010454
			.GR999 010372				
010330	07/09/72	G90R	.GR990 010330	.GR991 010351	ISAUGS 010356		
007470	07/09/72	GLAB	.GINHD 007475	.GOUTH 007474	.GINTL 007473	.GOUTL 007472	.GUSWH 007471
			.GOVRL 007476	.GLREA 007566	.GRCVY 007470	.GRPRV 007525	
007466	04/11/77	GINI	.GINID 007466				

	RANGE	SIZE
ALLOCATED CORE	000000 THRU 033777	034000
RELOCATABLE	007466 THRU 033777	024312

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$      TAPE9    01,X10D,,28506,,###                                          0180
$      PRMFL    02,R,R,LA61A/STARS/JOBS/IWRM80S3/ISTAT                       0190
$      DATA     03                                                            200
$      FILE     04,NULL                                                       220
$      TAPE9    05,TID,,,,SSIWRM80S3***                                      0230
$      FILE     09,NULL                                                       240
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ORIGIN DATE MODULE ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION

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FCB AND BUFFER SPACE
   AVAILABLE       000101 THRU 007465      007365
   FILE CTRL BLKS  007132 THRU 007466      000335
   MAXIMUM BUFFER SPACE REQUIRED           005010

    13K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY WITH ALL FILES OPEN     730517 F/B
001252 LOCATIONS REQUIRED FOR LOAD TABLE
EXECUTION PROGRAM ENTERED AT  032312   THROUGH  .FSETU
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SNUMB = 70510, ACTIVITY # = 01, REPORT CODE = 06, RECORD COUNT = 019563

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MACMD,CSV = A007 0.15442E-06
MACMD,CSV = A010 0.27096E-07
MACMD,CSV = A037 0.45065E-05
MACMD,CSV = B052 0.86343E-08
MACMD,CSV = B111 0.30122E-07
MACMD,CSV = C005 0.12050E-07
MACMD,CSV = C130 0.54087E-07
MACMD,CSV = C135 0.15348E-07
MACMD,CSV = C137 0.21988E-03
MACMD,CSV = C140 0.11851E-05
MACMD,CSV = C141 0.16452E-07
MACMD,CSV = E003 0.13573E-07
MACMD,CSV = E004 0.69667E-06
MACMD,CSV = F004 0.14924E-07
MACMD,CSV = F005 0.40587E-06
MACMD,CSV = F015 0.15317E-07
MACMD,CSV = F016 0.25677E-07
MACMD,CSV = F105 0.18677E-05
MACMD,CSV = F106 0.90032E-07
MACMD,CSV = F111 0.94905E-08
MACMD,CSV = H001 0.71849E-06
MACMD,CSV = H003 0.26395E-06
MACMD,CSV = H053 0.24609E-06
MACMD,CSV = T033 0.66064E-06
MACMD,CSV = T037 0.42201E-06
MACMD,CSV = T038 0.13332E-06
MACMD,CSV = T039 0.33460E-06
MACMD,CSV = T043 0.35283E-05
MACMD,CSV = V010 0.21610E-05
MACMD,CSV = ZNUL 0.10000E 01
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NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EBOS	ITASSE	NREP	NPROC	LAST MD	NREC	SKUFAU
1005000180825		WR 327Z	2590.58	591.29	84	140	0	0.16E-07	0.44E 01	61	117	0	F004	14	0.
1005000343469		WR 306Z	2049.43	2392.11	5	0	0	0.10E 01	0.56E-01	5	0	0	F105	2	0.
1005000431167	991	WR 9999	888.47	590.80	72	0	0	0.10E 01	0.11E 00	72	0	0	A007	5	0.
1005000566753		WR 9999	29047.18	4612.46	425	247	0	0.97E-08	0.73E 02	287	109	0	F111	142	17.17
1005000726612		WR 327Z	34681.91	13455.11	16	8	0	0.16E-07	0.27E 02	8	0	0	F004	25	5.06
1005001051083	991	WR 9999	1020.90	191.31	75	0	0	0.28E-06	0.14E 00	75	0	0	A007	6	12.02
1005001107197		WR 400Z	4943.59	988.96	5	7	0	0.83E-07	0.13E 01	0	2	0	C130	7	0.
1005001886968		WR 328A	4116.86	960.16	140	0	0	0.10E 01	0.77E-02	140	0	0	F015	1	0.
1005002213325		WR 400Z	6743.44	1310.04	28	92	11	0.62E-07	0.41E 01	22	92	5	C130	15	0.
1005002358299		WR 9999	5879.51	321.50	114	118	0	0.16E-06	0.45E 01	83	87	0	F106	16	0.01
1005002392929		WR 337A	2268.70	453.84	3	28	2	0.26E-06	0.10E 01	1	28	0	A007	9	0.
1005002499828		WR 335A	22043.36	4409.77	1	0	0	0.10E 01	0.76E 01	1	0	0	A037	15	0.
1005002863754		WR 327Z	20701.87	4021.11	10	26	0	0.20E-07	0.14E 01	3	19	0	F111	9	0.
1005003268701		WR 9999	746.34	184.89	144	27	0	0.16E-06	0.21E 00	117	0	0	F106	3	0.
1005003472304		WR 101Z	1043.01	306.98	159	424	46	0.99E-08	0.44E 02	86	397	0	B052	72	0.10
1005003511849		WR 101G	4678.41	935.92	8	0	2	0.71E-07	0.26E 00	6	0	0	B052	2	0.
1005003601731		WR 337A	2175.42	1326.11	44	1	0	0.25E-06	0.33E 00	43	0	0	A007	4	0.
1005004455911		WR 324Z	12897.73	2580.19	3	2	0	0.21E-07	0.39E-01	1	0	0	F111	2	0.
1005004626523		WR 327Z	78479.46	9088.07	45	0	0	0.21E-07	0.25E 01	45	0	0	F004	9	7.50
1005004715930		WR 324Z	2253.41	910.36	34	228	0	0.10E-07	0.49E 01	16	210	0	F111	17	0.
1005005267137		WR 337A	5856.71	673.12	188	257	0	0.17E-06	0.17E 02	146	215	0	A007	44	2.29
1005005267138		WR 337A	9547.60	1633.66	226	82	0	0.16E-06	0.42E 01	207	63	0	A007	13	0.
1005005585284		WR 329A	6072.69	1200.20	54	0	0	0.10E 01	0.21E-03	54	0	0	A010	0	0.
1005005699715		WR 101Z	392.37	143.90	118	423	0	0.19E-07	0.14E 02	56	361	0	B052	37	0.
1005005738197	991	WR 101Z	134.59	52.75	-1032	0	0	0.10E-07	0.15E 02	-1032	0	0	B052	81	0.
1005005892073		WR 101H	2639.78	977.84	21	7	0	0.89E-08	0.13E 00	14	0	0	B052	6	0.
1005006075981		WR 9999	983.92	416.18	294	1091	128	0.91E-08	0.44E 02	165	1090	0	B052	93	0.
1005006236434		WR 101G	8461.69	883.64	112	344	36	0.94E-08	0.53E 02	45	313	0	B052	80	0.09
1005006236435		WR 101G	8533.69	722.14	142	395	101	0.92E-08	0.64E 02	63	395	22	B052	76	0.08
1005006508219		WR 306Z	1045.11	603.45	1	2	0	0.69E-05	0.11E 00	0	1	0	F105	2	0.
1005006508223		WR 306Z	2108.22	1624.52	22	0	0	0.10E 01	0.93E-02	22	0	0	F105	2	0.
1005006611436		WR 306Z	1082.55	447.76	2	3	0	0.66E-05	0.43E 00	0	1	0	F105	4	0.
1005006702018		WR 306Z	8330.91	3043.79	17	8	0	0.49E-05	0.12E 01	15	6	0	F105	6	0.
1005006739672		WR 306Z	2519.79	504.08	1	7	0	0.14E-04	0.18E 00	0	6	0	F105	3	0.
1005006954938		WR 327Z	17399.75	5816.29	144	98	0	0.15E-07	0.20E 02	128	82	0	F004	43	2.42
1005007051169		WR 306Z	2218.62	663.42	22	54	0	0.38E-05	0.18E 01	17	49	0	F105	9	0.
1005007265650		WR 9999	719.94	144.02	1264	1512	0	0.89E-08	0.67E 02	1073	1321	0	B052	125	0.
1005007314648		WR 101H	1517.87	963.89	15	32	9	0.12E-07	0.24E 01	2	28	0	B052	11	0.
1005007388807		WR 336A	1915.04	383.10	28	89	75	0.27E-05	0.11E 02	15	89	62	V010	29	0.
1005007670185		WR 306Z	5783.52	352.46	10	0	0	0.10E 01	0.42E-02	10	0	0	F105	1	0.
1005008649560		WR 306Z	4893.19	2998.62	13	103	0	0.23E-05	0.24E 01	8	98	0	F105	11	0.
1005008840841		WR 327Z	724.26	395.48	13	52	0	0.30E-07	0.14E 01	1	40	0	F004	7	0.
1005008953707		WR 400Z	2758.57	598.90	29	33	4	0.62E-07	0.19E 01	24	32	0	C130	8	0.
1005008988672		WR 101H	3454.51	817.36	12	51	0	0.23E-07	0.11E 01	1	40	0	B052	7	0.
1005008988674		WR 101H	1430.28	286.13	5	0	0	0.10E 01	0.64E-03	5	0	0	B052	0	0.
1005009030751		WR 9999	3947.67	1940.72	174	347	0	0.27E-06	0.26E 02	87	260	0	H053	58	0.11
1005009083828	991	WR 3277	45.04	8.91	-41	0	0	0.19E-05	0.12E 00	-41	0	0	F105	13	0.41
1005009093002		WR 999H	1148.30	468.08	181	170	73	0.29E-06	0.20E 02	103	165	0	H053	44	0.
1005009224550		WR 337A	7277.39	6288.65	43	53	0	0.10E 01	0.46E 01	43	53	0	A007	13	0.
1005009307786		WR 999E	6089.49	1520.01	16	441	0	0.68E-06	0.29E 02	5	430	0	F005	23	0.22

NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	ERUS	TTASSE	NREP	NPROC	LAST MD	NREC	SRUEBO
1005009307787		WR	999F	6089.49	1595.21	15	386	0	0.61E-06	0.32E 02	4	375	0	F005	26	0.50
1005009394572		WR	327Z	2639.78	576.86	19	45	0	0.23E-07	0.14E 01	7	33	0	F004	6	0.
1005009706111		WR	101F	5182.37	590.92	5	10	0	0.11E-06	0.10E 00	0	5	0	B052	1	0.
1005009730375		WR	336A	987.52	197.55	92	65	0	0.27E-05	0.26E 02	41	14	0	V010	60	0.
1005009912607		WR	101Z	380.00	434.82	531	749	879	0.93E-08	0.12E 03	352	749	700	B052	69	0.
1005010290626		WR	329A	5787.12	1469.04	122	26	0	0.54E-07	0.18E 01	108	12	0	A010	11	0.
1005010418667		WR	320A	3695.69	739.32	6	0	0	0.10E 01	0.13E 00	6	0	0	F016	1	0.
1005010446174		WR	320A	21816.58	2340.28	15	3	0	0.14E-06	0.94E 00	12	0	0	F016	8	0.02
1005010463536		WR	320A	8406.50	598.68	40	54	1	0.36E-07	0.40E 01	28	43	0	F016	11	0.
1005010502735		WR	320A	5713.92	1143.07	45	25	12	0.33E-07	0.28E 01	32	24	0	F016	11	0.
1005010502736		WR	320A	4906.39	981.52	56	136	12	0.35E-07	0.66E 01	39	131	0	F016	20	0.
1005010522784		WR	329A	6013.90	1099.96	27	51	0	0.21E-07	0.15E 01	16	40	0	F015	7	0.
1005010539255		WR	329A	3617.70	1371.66	248	14	20	0.40E-07	0.62E 01	227	13	0	A010	21	0.
1005010539257		WR	329A	8029.73	1200.20	134	21	0	0.50E-07	0.18E 01	117	4	0	A010	7	0.
1005010556484		WR	320A	8124.52	960.16	13	11	0	0.44E-07	0.36E 00	2	0	0	F016	4	0.
1005010590502		WR	329A	6846.63	1200.20	43	136	16	0.31E-07	0.10E 02	19	128	0	A010	32	0.
1005010618335		WR	320A	7209.00	1442.16	24	57	0	0.27E-07	0.32E 01	8	41	0	F016	14	0.11
1005010626939		WR	329A	47282.06	24004.00	149	65	0	0.27E-07	0.61E 02	144	60	0	A010	51	1.09
1005010635629		WR	329A	74025.43	10182.50	97	10	0	0.29E-07	0.49E 01	95	8	0	A010	11	0.24
1010001921614		WR	400Z	1551.47	310.37	2	5	0	0.14E-06	0.31E 00	0	3	0	C130	4	0.
1010001921619		WR	400Z	12308.57	2160.36	5	6	0	0.21E-06	0.49E 00	4	5	0	C130	5	0.
1010001921621		WR	400Z	6132.69	3024.50	0	0	0	0.10E 01	0.11E 00	0	0	0	C130	4	0.
1010002274639		WR	400Z	862.73	537.69	5	0	0	0.10E 01	0.91E-02	5	0	0	C130	1	0.
1010003143246		WR	400Z	2759.77	1257.25	8	0	0	0.10E 01	0.27E 00	8	0	0	C130	2	0.
1010003143247		WR	400Z	2344.60	469.04	3	6	0	0.63E-07	0.75E 00	0	3	0	C130	6	0.
1015006244910		WR	400Z	4206.85	1104.18	4	3	0	0.10F-06	0.12F 00	3	2	0	C130	2	0.
1015006245937		WR	400Z	9119.24	1542.26	5	0	0	0.10F 01	0.25E-01	5	0	0	C130	1	0.
1095000255657	991	WR	9999	1229.95	473.04	-142	0	0	0.17F-07	0.11E 02	-142	0	0	F004	21	0.02
1095000556035		WR	446A	953.92	155.34	17	20	0	0.33E-06	0.22E 00	0	3	0	H003	4	0.
1095001419328	991	WR	9999	90.20	59.90	-184	0	0	0.58E-07	0.91E 01	-184	0	0	C130	63	0.
1095001664286		WR	9999	3682.49	999.84	146	44	0	0.30E-07	0.16E 01	102	0	0	B111	15	0.
1095001789250		WR	336A	1199.90	240.04	23	43	0	0.36F-05	0.53E 01	10	30	0	V010	21	0.
1095004558407		WR	327Z	12312.17	1158.35	36	15	0	0.29E-07	0.29E 01	23	2	0	F004	9	0.
1095004767947		WR	9999	3016.55	985.74	208	137	13	0.36F-07	0.17E 02	148	90	0	F005	24	0.
1095004767948		WR	9999	2426.20	606.50	213	0	0	0.10F 01	0.22E-02	213	0	0	F005	0	0.
1095004881581		WR	101Z	391.17	155.11	88	634	0	0.11F-07	0.16E 02	22	568	0	B052	41	0.
1095004881582		WR	101Z	391.17	155.11	105	857	0	0.16F-07	0.20E 02	29	781	0	B052	48	0.
1095004882075		WR	101Z	299.97	110.85	234	1131	0	0.10E-07	0.40E 02	117	1014	0	B052	85	0.
1095007588774	991	WR	9999	712.16	431.86	-1378	0	0	0.11F-07	0.19E 02	-1378	0	0	B052	61	0.
1095007948026		WR	999F	2879.76	2259.98	36	187	0	0.92E-07	0.63E 01	9	160	0	F106	23	0.
1095008749581	991	WR	9999	130.97	77.51	76	0	0	0.74F-07	0.84E 00	76	0	0	C130	16	2.21
1095009128093		WR	420Z	1074.03	214.86	1	1	0	0.36E-05	0.83E-01	0	0	0	F005	2	0.
1095009128094		WR	420Z	1480.68	296.21	4	0	1	0.55F-06	0.10E 00	3	0	0	F005	2	0.
1095009960098		WR	999F	11576.64	1346.74	168	227	0	0.21E-07	0.11F 02	110	169	0	F004	21	0.
1095010438262		WR	201W	7439.38	2522.92	26	38	0	0.92F-07	0.86E 01	7	19	0	F106	31	0.95
1095010617708		WR	101Z	802.33	379.35	80	187	0	0.97E-08	0.12F 02	14	121	0	B052	32	0.
1240002342352		WR	999F	4142.67	828.74	12	62	0	0.10E 01	0.73E 00	12	62	0	ZNUL	12	0.
1240010808193		WR	999F	6181.48	1236.60	13	2	0	0.10E 01	0.82E-03	13	2	0	ZNUL	4	0.
1240010849351		WR	999F	3995.79	799.36	0	14	0	0.10F 01	0.16F 01	0	14	0	ZNUL	12	0.
1240010849356		WR	999F	629.95	126.02	13	28	0	0.10F 01	0.18F 00	13	28	0	ZNUL	12	0.

NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EROS	ITASSE	NREP	NPROC	LAST MD	NREC	SRUEBO
1240010849357		WR 999F	235.18	47.05	1	0	0	0.10E 01	0.17E-01	1	0	0	ZNUL	3	0.
1240010851384		WR 999F	237.58	47.53	1	0	0	0.10E 01	0.17E-01	1	0	0	ZNUL	3	0.
1240010852387		WR 999F	629.95	126.02	0	0	0	0.10E 01	0.10E 01	0	0	0	ZNUL	6	0.
1240010852862		WR 999F	206.98	41.41	13	15	0	0.10E 01	0.41E-01	13	15	0	ZNUL	9	0.
1240010856631		WR 999F	2249.84	450.08	2	0	0	0.10E 01	0.18E-01	2	0	0	ZNUL	2	0.
1240010865241		WR 999F	500.33	100.08	1	0	0	0.10E 01	0.23E-01	1	0	0	ZNUL	3	0.
1270000015600		WR 400Z	21838.18	4800.80	12	87	0	0.11E-06	0.35E 01	7	82	0	C130	12	0.16
1270000017005		WR 400Z	4439.63	1164.19	7	1	0	0.55E-07	0.48E-01	6	0	0	C130	1	0.
1270000017007		WR 400Z	12418.96	2904.48	8	0	0	0.10E 01	0.21E-02	8	0	0	C130	0	0.
127000001700A		WR 400Z	10679.11	2400.40	6	20	0	0.62E-07	0.38E 00	4	18	0	C130	4	0.
1270000017016		WR 400Z	2272.61	1476.25	13	37	0	0.10E-06	0.34E 01	6	30	0	C130	10	0.
1270000017017		WR 400Z	1066.59	1224.20	11	30	0	0.13E-06	0.27E 01	5	24	0	C130	9	0.
127000001701A		WR 400Z	943.00	1164.19	13	52	0	0.97E-07	0.31E 01	6	45	0	C130	9	0.
1270000041879		WR 327Z	6659.45	468.37	20	12	0	0.15E-07	0.22E 01	8	0	0	F004	10	0.32
1270000199753		WR 201W	34257.15	4464.12	83	534	0	0.10E-06	0.46E 02	44	495	0	F106	57	2.43
1270000215638		WR 327Z	20398.30	484.84	0	41	0	0.10E 01	0.11E 01	0	41	0	ZNUL	12	2.43
1270000231042		WR 327Z	4049.66	481.51	104	444	0	0.16E-07	0.80E 01	57	397	0	F004	26	0.
1270000238954		WR 327Z	2768.17	420.81	101	388	0	0.22E-07	0.76E 01	55	342	0	F004	22	0.
1270000238962		WR 327Z	6424.26	2107.58	125	547	0	0.17E-07	0.12E 02	80	502	0	F004	31	0.
1270000238963		WR 327Z	39237.90	1999.98	107	161	0	0.17E-07	0.25E 02	66	120	0	F004	23	0.13
1270000238967		WR 327Z	443.96	177.07	22	26	0	0.27E-07	0.59E 00	0	4	0	F004	4	0.
1270000290468	991	WR 101Z	324.80	137.41	-35	0	.	0.25E-07	0.59E 00	-35	0	0	B052	8	0.01
1270000474674		WR 101Z	1669.06	909.50	51	98	0	0.20E-07	0.29E 01	27	74	0	B052	12	0.
1270000508785		WR 101H	2161.02	931.69	46	0	117	0.93E-08	0.10E 02	15	0	86	B052	32	0.
1270000535208		WR 201W	1742.25	182.69	23	91	0	0.11E-06	0.10E 01	3	71	0	F106	8	0.
1270000540711		WR 201Z	856.73	229.53	12	3	0	0.53E-06	0.68E-01	9	0	0	F106	3	0.
127000054648P		WR 201W	1475.88	131.05	19	24	0	0.18E-06	0.11E 00	1	6	0	F106	3	0.
1270000546491		WR 201W	1007.92	112.27	2	4	0	0.72E-06	0.37E-01	1	3	0	F106	2	0.
1270000546494		WR 201W	1259.90	116.83	19	17	0	0.14E-06	0.10E 00	2	0	0	F106	2	0.
1270000546498		WR 201W	1415.88	115.16	19	22	0	0.18E-06	0.14E 00	1	4	0	F106	3	0.
1270000546499		WR 201W	2570.19	109.17	19	15	0	0.21E-06	0.10E 00	4	0	0	F106	2	0.
1270000546500		WR 201W	683.94	125.54	18	0	0	0.10E 01	0.47E-03	18	0	0	F106	0	0.
1270000546501		WR 201W	635.95	111.22	13	0	0	0.10E 01	0.21E-02	13	0	0	F106	1	0.
1270000546503		WR 201W	1079.91	108.94	18	8	0	0.12E-06	0.19E-01	10	0	0	F106	1	0.
1270000546510		WR 201W	755.94	110.68	19	17	0	0.27E-06	0.11E 00	2	0	0	F106	2	0.
1270000546511		WR 201W	635.95	127.22	19	10	0	0.14E-06	0.46E-01	9	0	0	F106	2	0.
1270000546514		WR 201W	443.96	415.56	3	0	0	0.10E 01	0.28E-01	3	0	0	F106	1	0.
1270000546521		WR 201W	443.96	110.20	19	17	0	0.94E-07	0.64E-01	2	0	0	F106	2	0.
1270000546522		WR 201W	347.97	108.44	15	15	0	0.19E-06	0.21E 00	0	0	0	F106	5	0.
1270000546529		WR 201W	651.55	216.24	22	55	0	0.12E-06	0.43E 00	5	38	0	F106	7	0.
1270000546534		WR 201W	635.95	153.00	24	119	0	0.16E-06	0.15E 01	3	98	0	F106	10	0.
1270000546536		WR 201W	635.95	111.52	21	48	0	0.15E-06	0.34E 00	3	30	0	F106	7	0.
1270000546539		WR 201W	623.95	111.67	19	16	0	0.25E-06	0.80E-01	3	0	0	F106	1	0.
1270000546541		WR 201W	647.95	121.09	19	19	0	0.27E-06	0.44E 00	0	0	0	F106	5	0.
1270000546550		WR 201W	695.94	111.56	20	49	0	0.25E-06	0.29E 00	5	34	0	F106	4	0.
1270000546554		WR 201W	611.95	113.55	17	20	0	0.26E-06	0.29E 00	0	3	0	F106	5	0.
1270000546555		WR 201W	595.97	109.06	18	14	0	0.94E-07	0.26E-01	4	0	0	F106	1	0.
1270000546558		WR 201W	503.96	108.26	18	16	0	0.23E-06	0.72E-01	2	0	0	F106	2	0.
1270000546574		WR 201W	359.97	143.40	20	43	1	0.12E-06	0.24E 00	5	29	0	F106	5	0.
1270000546576		WR 201W	959.92	111.69	20	30	0	0.22E-06	0.46E 00	1	11	0	F106	7	0.

NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EBOS	ITASSF	NREP	NPROC	LAST MD	NREC	SRUEBO
1270000546577	WR	201W	359.97	72.01	18	5	0	0.19E-06	0.13E-01	13	0	0	F106	1	0.
1270000546578	WR	201W	1475.88	128.70	19	25	0	0.30E-06	0.11E 00	3	9	0	F106	2	0.
1270000546579	WR	201W	1271.89	129.30	19	22	0	0.18E-06	0.36E 00	0	3	0	F106	3	0.
1270000546584	WR	201W	683.94	109.77	18	2	0	0.11E-06	0.49E-02	16	0	0	F106	1	0.
1270000546586	WR	201W	947.92	109.05	19	18	0	0.11E-06	0.91E-01	1	0	0	F106	3	0.
1270000546588	WR	201W	635.95	112.27	18	27	0	0.16E-06	0.73E-01	1	10	0	F106	3	0.
1270000546589	WR	201W	1211.90	114.32	20	38	0	0.18E-06	0.25E 00	2	20	0	F106	6	0.
1270000546590	WR	201W	791.93	109.79	18	15	0	0.15E-06	0.45E-01	3	0	0	F106	1	0.
1270000558895	WR	9999	6959.42	1644.13	8	5	0	0.61E-05	0.31E 00	7	4	0	T039	3	0.
1270000561424CB	SM	303Z	20571.09	1104.18	12	9	3	0.10E 01	0.	12	9	3	ZNUL	0	0.
1270000565553	WR	201W	5790.72	141.08	12	13	0	0.31E-06	0.98E 00	1	2	0	F106	8	0.
1270000575132	WR	201W	395.97	79.21	19	14	0	0.39E-06	0.89E-01	5	0	0	F106	2	0.
1270000575133	WR	201W	539.96	108.02	18	4	0	0.13E-06	0.11E-01	14	0	0	F106	1	0.
1270000587875	WR	201W	539.96	123.38	21	53	0	0.20E-06	0.41E 00	4	36	0	F106	5	0.
1270000587878	WR	201W	1319.89	115.84	20	30	0	0.97E-07	0.34E 00	1	11	0	F106	7	0.
1270000613052	WR	201W	1475.88	141.73	21	117	5	0.13E-06	0.93E 00	3	104	0	F106	11	0.
1270000641997	WR	327Z	37310.89	1450.73	78	743	0	0.16E-07	0.20E 02	41	706	0	F004	42	0.65
1270000642033	WR	201W	4199.65	490.87	64	5	0	0.14E-06	0.72E-01	59	0	0	F106	4	0.
1270000685604	WR	201W	1911.44	808.19	40	14	0	0.17E-06	0.10E 01	30	4	0	F106	9	0.
1270000695832	WR	999F	1949.84	47.49	0	0	7	0.10E 01	0.	0	0	7	ZNUL	0	0.
1270000784974	WR	9999	1663.06	963.95	5	30	0	0.70E-05	0.39E 00	3	28	0	T039	5	0.
1270000803613	WR	306Z	1393.08	1940.75	13	18	0	0.10E 01	0.	13	18	0	F105	0	0.
1270000832578CB	SM	303Z	1594.67	1195.40	5	1	3	0.10E 01	0.	5	1	3	ZNUL	0	0.
1270000867329	WR	201W	245.98	84.93	24	2	0	0.18E-06	0.67E-02	22	0	0	F106	2	0.
1270000894117	WR	327Z	46517.72	1456.83	143	1034	0	0.16E-07	0.20E 02	94	985	0	F004	39	0.86
1270000906778	WR	400Z	29997.50	14402.40	2	4	0	0.14E-06	0.14E 01	2	4	0	C130	2	0.03
1270000906779	WR	400Z	7679.36	3960.66	15	16	0	0.87E-07	0.21E 01	12	13	0	C130	8	0.58
1270000906790	WR	400Z	31197.40	14402.40	2	5	0	0.19E-06	0.21E 01	2	5	0	C130	4	0.03
1270000918627	WR	201W	5998.30	1040.99	32	0	0	0.10E 01	0.29E-01	32	0	0	F106	1	0.03
1270000918683 991	WR	101Z	277.15	85.04	-27	0	0	0.44E-07	0.53E 00	-27	0	0	B052	6	0.00
1270000987100	WR	201W	13594.87	1001.77	58	306	0	0.92E-	1270000546500		WR	201W	683.94	125.54	18
1270000546501	WR	201W	635.95	111.22	13	0	0	0.10E 01	0.21E-02	13	0	0	F106	1	0.
1270000546503	WR	201W	1079.91	108.94	18	8	0	0.12E-06	0.19E-01	10	0	0	F106	1	0.
1270000546510	WR	201W	755.94	110.68	19	17	0	0.27E-06	0.11E 00	2	0	0	F106	2	0.
1270000546511	WR	201W	635.95	127.22	19	10	0	0.14E-06	0.46E-01	9	0	0	F106	2	0.
1270000546514	WR	201W	443.96	415.56	3	0	0	0.10E 01	0.28E-01	3	0	0	F106	1	0.
1270000546521	WR	201W	443.96	110.20	19	17	0	0.94E-07	0.64E-01	2	0	0	F106	2	0.
1270000546522	WR	201W	347.97	108.44	15	15	0	0.19E-06	0.21E 00	0	0	0	F106	5	0.
1270000546529	WR	201W	651.55	216.24	22	55	0	0.12E-06	0.43E 00	5	38	0	F106	7	0.
1270000546534	WR	201W	635.95	153.00	24	119	0	0.16E-06	0.15E 01	3	98	0	F106	10	0.
1270000546536	WR	201W	635.95	111.52	21	48	0	0.15E-06	0.34E 00	3	30	0	F106	7	0.
1270000546539	WR	201W	623.95	111.67	19	16	0	0.25E-06	0.80E-01	3	0	0	F106	1	0.
1270000546541	WR	201W	647.95	121.09	19	19	0	0.27E-06	0.44E 00	0	0	0	F106	5	0.
1270000546550	WR	201W	695.94	111.56	20	49	0	0.25E-06	0.29E 00	5	34	0	F106	4	0.
1270000546554	WR	201W	611.95	113.55	17	20	0	0.26E-06	0.29E 00	0	3	0	F106	5	0.
1270000546555	WR	201W	395.97	109.06	18	14	0	0.94E-07	0.26E-01	4	0	0	F106	1	0.
1270000546558	WR	201W	503.96	108.26	18	16	0	0.23E-06	0.72E-01	2	0	0	F106	2	0.
1270000546574	WR	201W	359.97	143.40	20	43	1	0.12E-06	0.24E 00	5	29	0	F106	5	0.
1270000546576	WR	201W	959.92	111.69	20	30	0	0.22E-06	0.46E 00	1	11	0	F106	7	0.

NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EBOS	ITASSE	NREP	NPROC	LAST MO	NREC	SRUEBO
1270000546577		WR 201W	359.97	72.01	18	5	0	0.19E-06	0.13E-01	13	0	0	F106	1	0.
1270000546578		WR 201W	1475.88	128.70	19	25	0	0.30E-06	0.11E 00	3	9	0	F106	2	0.
1270000546579		WR 201W	1271.89	129.30	19	22	0	0.18E-06	0.36E 00	0	3	0	F106	3	0.
1270000546584		WR 201W	683.94	109.77	18	2	0	0.11E-06	0.49E-02	16	0	0	F106	1	0.
1270000546586		WR 201W	947.92	109.05	19	18	0	0.11E-06	0.91E-01	1	0	0	F106	3	0.
1270000546588		WR 201W	635.95	112.27	18	27	0	0.16E-06	0.73E-01	1	10	0	F106	3	0.
1270000546589		WR 201W	1211.90	114.32	20	38	0	0.18E-06	0.25E 00	2	20	0	F106	6	0.
1270000546590		WR 201W	791.93	109.79	18	15	0	0.15E-06	0.45E-01	3	0	0	F106	1	0.
1270000558895		WR 9999	6959.42	1644.13	8	5	0	0.61E-05	0.31E 00	7	4	0	T039	3	0.
1270000561424CB		SM 303Z	20571.09	1104.18	12	9	3	0.10E 01	0.	12	9	3	ZNUL	0	0.
1270000565553		WR 201W	5790.72	141.08	12	13	0	0.31E-06	0.98E 00	1	2	0	F106	8	0.
1270000575132		WR 201W	395.97	79.21	19	14	0	0.39E-06	0.89E-01	5	0	0	F106	2	0.
1270000575133		WR 201W	539.96	108.02	18	4	0	0.13E-06	0.11E-01	14	0	0	F106	1	0.
1270000587875		WR 201W	539.96	123.38	21	53	0	0.20E-06	0.41E 00	4	36	0	F106	5	0.
1270000587878		WR 201W	1319.89	115.84	20	30	0	0.97E-07	0.34E 00	1	11	0	F106	7	0.
1270000613052		WR 201W	1475.88	141.73	21	117	5	0.13E-06	0.93E 00	3	104	0	F106	11	0.
1270000641997		WR 327Z	37310.89	1450.73	78	743	0	0.16E-07	0.20E 02	41	706	0	F004	42	0.65
1270000642033		WR 201W	4199.65	490.87	64	5	0	0.14E-06	0.72E-01	59	0	0	F106	4	0.
1270000685604		WR 201W	1911.44	808.19	40	14	0	0.17E-06	0.10E 01	30	4	0	F106	9	0.
1270000695832		WR 999F	1949.84	47.49	0	0	7	0.10E 01	0.	0	0	7	ZNUL	0	0.
1270000784974		WR 9999	1663.06	963.95	5	30	0	0.70E-05	0.39E 00	3	28	0	T039	5	0.
1270000803513		WR 306Z	1393.08	1940.75	13	18	0	0.10E 01	0.	13	18	0	F105	0	0.
1270000832578CB		SM 303Z	1594.67	1195.40	5	1	3	0.10E 01	0.	5	1	3	ZNUL	0	0.
1270000867329		WR 201W	245.98	84.93	24	2	0	0.18E-06	0.67E-02	22	0	0	F106	2	0.
1270000894117		WR 327Z	46517.72	1456.83	143	1034	0	0.16E-07	0.20E 02	94	985	0	F004	39	0.86
1270000906778		WR 400Z	29997.50	14402.40	2	4	0	0.14E-06	0.14E 01	2	4	0	C130	2	0.03
1270000906779		WR 400Z	7679.36	3960.66	15	16	0	0.87E-07	0.21E 01	12	13	0	C130	8	0.58
1270000906790		WR 400Z	31197.40	14402.40	2	5	0	0.19E-06	0.21E 01	2	5	0	C130	4	0.03
1270000918627		WR 201W	5998.30	1040.99	32	0	0	0.10E 01	0.29E-01	32	0	0	F106	1	0.03
1270000918683	991	WR 101Z	277.15	85.04	-27	0	0	0.44E-07	0.53E 00	-27	0	0	B052	6	0.00
1270000987100		WR 201W	13594.87	1001.77	58	306	0	0.92E-07	0.13E 02	20	268	0	F106	42	1.50
1270000995668	991	WR 101Z	1112.75	108.54	-35	0	0	0.20E-07	0.20E 01	-35	0	0	B052	12	0.00
1270000995669	991	WR 101Z	726.29	93.84	-50	0	0	0.39E-07	0.21E 01	-50	0	0	B052	13	0.00
1270000995670	991	WR 101Z	690.03	157.68	-95	0	0	0.25E-07	0.99E 00	-95	0	0	B052	10	0.01
1270001030682		WR 201W	1160.30	706.13	68	1	0	0.11E-06	0.29E-01	67	0	0	F106	3	0.
1270001095653		WR 327Z	4306.44	1227.17	40	16	0	0.20E-07	0.52E 00	27	3	0	F004	4	0.
1270001095737		WR 327Z	1588.67	685.94	26	20	0	0.10E 01	0.	26	20	0	F004	0	0.
1270001114649		WR 324Z	9211.63	1941.68	17	0	0	0.10E 01	0.17E-02	17	0	0	F111	0	0.
1270001185901		WR 327Z	3581.70	1467.00	20	20	0	0.29E-07	0.15E 01	9	9	0	F004	6	0.
1270001244733		WR 327Z	12358.97	484.11	1	0	0	0.10E 01	0.15E-01	1	0	0	ZNUL	6	0.
1270001244734		WR 327Z	12358.97	394.27	0	7	0	0.10E 01	0.37E 00	0	7	0	ZNUL	9	0.
1270001301259		WR 424Z	650.35	93.96	3	5	0	0.82E-06	0.33E 00	0	2	0	F111	3	0.
1270001336015		WR 101Z	2417.80	1909.22	46	53	0	0.12E-07	0.17E 01	32	39	0	H052	9	0.
1270001351835		WR 201W	787.13	214.04	30	0	0	0.10E 01	0.13E-01	30	0	0	F106	1	0.
1270001351838		WR 201W	1138.71	340.56	40	0	0	0.10E 01	0.68E-01	40	0	0	F106	3	0.
1270001351841		WR 201W	2031.43	765.54	70	20	0	0.97E-07	0.72E 00	50	0	0	F106	11	0.
1270001358343		WR 324Z	77478.74	1539.41	43	604	0	0.28E-07	0.11E 02	21	582	0	F111	23	0.02
1270001366850		WR 201W	3656.10	1389.86	50	0	0	0.10E 01	0.11E 00	50	0	0	F106	8	0.02
1270001383069		WR 400Z	92872.26	10201.70	3	17	0	0.77E-07	0.97E 00	2	16	0	C130	4	0.
1270001383073		WR 400Z	27237.73	6301.05	3	13	0	0.65E-07	0.40E 00	2	12	0	C130	3	0.

NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EBOS	ITASSE	NREP	NPROC	LAST MD	MREC	SRUEBO
1270001383077	WR	400Z	8279.31	1200.20	3	5	0	0.10E 01	0.23E-01	3	5	0	C130	1	0.
1270001391500	WR	400Z	5099.58	2160.36	1	0	4	0.10E 01	0.41E-02	1	0	4	C130	0	0.
1270001391505	WR	999F	12208.98	2508.07	7	75	0	0.75E-06	0.21E 01	2	70	0	F005	13	0.
1270001391506	WR	999F	3947.67	405.90	9	0	0	0.10E 01	0.32E-04	9	0	0	F005	0	0.
1270001391507	WR	999F	20379.10	6189.86	20	35	0	0.50E-06	0.76E 01	8	23	0	F005	26	12.26
1270001459200	WR	201W	11175.87	2816.83	85	3	0	0.94E-07	0.39E 01	82	0	0	F106	22	1.23
1270001463723	WR	327Z	1249.10	249.88	4	0	2	0.10E 01	0.	4	0	2	ZNUL	0	1.23
1270001463788	WR	999F	45261.43	4086.62	14	83	0	0.46E-06	0.16E 02	7	76	0	F005	24	1.73
1270001468032	WR	400Z	33863.58	2160.36	6	3	0	0.10E 01	0.94E-01	6	3	0	C130	2	1.73
1270001487615	WR	327Z	46958.09	1918.60	30	83	0	0.24E-07	0.11E 02	10	63	0	F004	26	2.68
1270001527399	WR	201W	823.13	297.33	40	0	0	0.10E 01	0.13E-01	40	0	0	F106	1	2.68
1270001584299	WR	201W	2399.80	612.21	60	65	0	0.12E-06	0.31E 01	25	30	0	F106	11	0.
1270001584300	WR	201W	27597.70	5733.13	35	73	0	0.93E-07	0.24E 02	18	56	0	F106	35	0.93
1270001603227	WR	400Z	25293.89	3600.60	4	11	0	0.10E 01	0.15E 00	4	11	0	C130	3	0.93
1270001603247	WR	400Z	22030.16	2185.56	6	14	0	0.60E-07	0.86E 00	3	11	0	C130	5	0.01
1270001603311	WR	400Z	5159.57	1200.20	3	12	0	0.16E-06	0.53E 00	1	10	0	C130	4	0.
1270001612727	WR	400Z	33453.21	4079.48	8	22	0	0.10E-06	0.10E 01	6	20	0	C130	6	0.01
1270001659892	WR	330B	778.62	155.76	13	0	4	0.10E 01	0.	13	0	4	ZNUL	0	0.01
1270001699029	WR	999F	1116.03	223.26	10	1	2	0.10E 01	0.	10	1	2	ZNUL	0	0.01
1270001727784	WR	400Z	27410.52	5400.90	5	19	0	0.10E 01	0.23E 00	5	19	0	C130	3	0.01
1270001727787	WR	400Z	48751.94	3450.58	9	33	0	0.66E-07	0.18E 01	5	29	0	C130	7	0.
1270001734135LG	WR	400Z	1509.47	524.61	6	56	3	0.11E-06	0.10E 01	3	56	0	C130	5	0.
1270001734199	WR	999F	2507.79	307.12	20	61	0	0.32E-06	0.28E 00	6	47	0	F106	6	0.
1270001739594	WR	201W	839.93	154.59	10	13	0	0.12E-06	0.60E-01	2	5	0	F106	3	0.
1270001739652	WR	201W	1845.45	561.77	39	7	0	0.27E-06	0.68E 00	32	0	0	F106	7	0.
1270001739679	WR	201W	27111.74	3494.75	29	82	0	0.14E-06	0.33E 02	14	67	0	F106	29	0.34
1270001761078	WR	201W	3549.30	905.99	56	0	0	0.10E 01	0.13E-01	56	0	0	F106	3	0.34
1270001813720	WR	201W	2060.23	1462.53	64	18	0	0.24E-06	0.51E 01	50	4	0	F106	14	0.05
1270001814340	WR	101Z	6841.83	3182.10	64	628	0	0.11E-07	0.12E 02	23	587	0	B052	33	0.
1270001966087	WR	201W	6887.43	1864.44	86	35	0	0.12E-06	0.12E 02	51	0	0	F106	50	9.07
1270001966093	WR	201W	719.94	102.38	5	5	0	0.10E 01	0.	5	5	0	F106	0	9.07
1270001966095	WR	201W	4851.20	112.19	7	4	0	0.10E 01	0.	7	4	0	F106	0	9.07
1270001966096	WR	201W	599.95	95.19	5	17	0	0.31E-06	0.92E-01	3	15	0	F106	2	0.
1270001966586	WR	201W	2939.76	529.37	41	0	0	0.10E 01	0.11E 00	41	0	0	F106	5	0.
1270002225069	WR	400Z	1496.28	849.02	3	16	0	0.12E-06	0.34E 00	1	14	0	C130	3	0.
1270002251004	WR	201W	811.13	281.52	52	2	0	0.15E-06	0.21E-01	50	0	0	F106	3	0.23
1270002321969	WR	400Z	22798.10	7201.20	7	14	0	0.69E-07	0.10E 01	5	12	0	C130	6	0.
1270002332372	WR	400Z	1199.90	1056.18	6	23	0	0.91E-07	0.16E 01	1	18	0	C130	7	0.
1270002332386	WR	400Z	6181.07	442.17	5	0	0	0.10E 01	0.84E-02	5	0	0	C130	1	0.
1270002358451	WR	201W	12278.58	2088.34	32	39	0	0.96E-07	0.67E 01	20	27	0	F106	36	1.38
1270002384773	WR	400Z	16739.80	4686.78	8	27	0	0.11E-06	0.11E 01	6	25	0	C130	6	0.
1270002822118	WR	201W	5443.95	1089.06	33	48	0	0.13E-06	0.74E 00	25	40	0	F106	9	0.
1270002822120	WR	201W	6264.68	1253.25	20	27	0	0.20E-06	0.44E 00	11	18	0	F106	5	0.
1270003097199	WR	201W	69077.04	5032.75	55	164	0	0.96E-07	0.32E 02	21	130	0	F106	62	8.09
1270003187961 991	WR	101Z	934.96	199.37	-13	0	0	0.17E-07	0.84E 00	-13	0	0	B052	7	0.24
1270003421066	WR	101Z	7721.36	2658.94	63	249	0	0.10E-07	0.52E 01	36	222	0	B052	18	0.
1270003457419	WR	306Z	748.98	163.30	1	0	0	0.10E 01	0.61E-03	1	0	0	F105	1	0.
1270003457420	WR	306Z	627.55	262.09	1	0	0	0.10E 01	0.99E-02	1	0	0	F105	2	0.
1270003481954	WR	327Z	589.15	404.18	21	18	0	0.26E-07	0.15E 00	13	10	0	F004	2	0.
1270003481990	WR	327Z	476.36	448.53	21	15	0	0.18E-07	0.99E-01	13	7	0	F004	1	0.

NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	FBOS	ITASSE	NREP	NPROC	LAST MO	NREC	SRUERO
1270003481996	WR	3277	11065.48	1370.58	21	33	2	0.10E 01	0.17E 00	21	33	2	F004	2	0.
1270003481999	WR	3277	716.10	435.14	13	17	0	0.10E 01	0.	13	17	0	F004	0	0.
1270003482030	WR	3277	1103.91	425.18	21	0	0	0.10E 01	0.55E-03	21	0	0	F004	0	0.
1270003482070	WR	3277	1366.69	770.58	21	26	0	0.26E-07	0.26E 00	13	18	0	F004	2	0.
1270003482086	WR	3277	3136.54	1148.69	22	52	0	0.27E-07	0.65E 00	9	39	0	F004	7	0.
1270003482091	WR	3277	16460.23	2001.96	23	101	0	0.15E-07	0.48E 01	14	92	0	F004	17	0.
1270003482121	WR	3277	1465.08	444.07	13	18	0	0.10E 01	0.	13	18	0	F004	0	0.
1270003482145	WR	3277	1033.23	432.07	27	0	0	0.10E 01	0.18E-02	27	0	0	F004	0	0.
1270003482153	WR	3277	998.08	715.03	21	0	0	0.10E 01	0.26E-02	21	0	0	F004	0	0.
1270003482199	WR	3277	829.13	399.98	17	0	0	0.10E 01	0.15E-01	17	0	0	F004	1	0.
1270003482216	WR	3277	414.09	420.07	23	0	0	0.10E 01	0.17E-02	23	0	0	F004	0	0.
1270003482217	WR	3277	499.28	444.07	22	25	0	0.22E-07	0.16E 01	0	3	0	F004	6	0.
1270003482222	WR	3277	764.34	433.90	22	43	0	0.34E-07	0.12E 01	1	22	0	F004	6	0.
1270003482226	WR	3277	479.48	408.07	21	9	0	0.21E-07	0.14E 00	13	1	0	F004	2	0.
1270003482231	WR	3277	426.44	516.09	21	0	0	0.10E 01	0.12E-02	21	0	0	F004	0	0.
1270003482233	WR	3277	3663.29	626.60	10	9	0	0.10E 01	0.72E-01	10	9	0	F004	1	0.
1270003482270	WR	3277	2282.21	408.07	18	0	0	0.10E 01	0.27E-01	18	0	0	F004	1	0.
1270003482274	WR	3277	4662.81	936.16	30	16	0	0.19E-07	0.71E 01	15	1	0	F004	26	0.
1270003482292	WR	3277	827.93	429.67	2	1	0	0.75E-07	0.18E 00	1	0	0	F004	3	0.
1270003482334	WR	3277	742.74	436.52	21	14	0	0.18E-07	0.17E 00	7	0	0	F004	1	0.
1270003482376	WR	3277	562.75	400.87	4	10	0	0.27E-07	0.11E 01	0	6	0	F004	5	0.
1270003495173	WR	3277	890.33	420.07	22	44	1	0.17E-07	0.12E 01	1	24	0	F004	7	0.
1270003495179	WR	3277	739.14	425.78	7	0	0	0.10E 01	0.94E-01	7	0	0	F004	1	0.
1270003495180	WR	3277	791.93	408.07	25	0	0	0.10E 01	0.21E-02	25	0	0	F004	0	0.
1270003495185	WR	3277	641.95	433.90	22	41	0	0.23E-07	0.94E 00	1	20	0	F004	5	0.
1270003495186	WR	3277	668.34	528.09	8	0	0	0.10E 01	0.13E 00	8	0	0	F004	1	0.
1270003495200	WR	3277	953.92	537.87	20	11	0	0.16E-07	0.15E 00	9	0	0	F004	2	0.
1270003495215	WR	3277	5247.16	998.79	12	28	0	0.10E 01	0.	12	28	0	F004	0	0.
1270003495219	WR	3277	23288.86	2974.70	27	178	0	0.17E-07	0.73E 01	5	156	0	F004	21	0.56
1270003495225	WR	3277	983.92	462.99	12	0	0	0.10E 01	0.44E-01	12	0	0	F004	1	0.56
1270003495232	WR	3277	3221.73	870.22	13	31	0	0.10E 01	0.	13	31	0	F004	0	0.56
1270003495237	WR	3277	4682.01	1736.35	4	14	0	0.16E-07	0.10E 01	1	11	0	F004	5	0.
1270003495238	WR	3277	396.93	433.90	3	5	0	0.50E-07	0.81E 00	0	2	0	F004	4	0.
1270003495241	WR	3277	292.90	426.98	21	20	0	0.18E-07	0.10E 00	13	12	0	F004	1	0.
1270003495242	WR	3277	1059.15	669.88	21	10	0	0.21E-07	0.18E 00	13	2	0	F004	2	0.
1270003495626	WR	3277	844.85	420.98	18	0	0	0.10E 01	0.42E-02	18	0	0	F004	0	0.
1270003495633	WR	3277	483.20	420.98	13	1	0	0.10E 01	0.70E-01	13	1	0	F004	1	0.
1270003495639	WR	3277	972.28	426.98	22	0	0	0.10E 01	0.91E-03	22	0	0	F004	0	0.
1270003495697	WR	3277	1361.89	408.07	20	9	0	0.29E-07	0.14E 00	13	2	0	F004	1	0.
1270003495724	WR	3277	1293.49	472.17	16	0	0	0.10E 01	0.24E-01	16	0	0	F004	1	0.
1270003495758	WR	3277	691.14	472.17	17	0	0	0.10E 01	0.16E-01	17	0	0	F004	1	0.
1270003495761	WR	3277	595.15	420.98	21	22	0	0.17E-07	0.88E 00	0	1	0	F004	4	0.
1270003495767	WR	3277	741.54	414.98	27	0	0	0.10E 01	0.29E-04	27	0	0	F004	0	0.
1270003495792	WR	3277	542.59	1212.20	24	0	2	0.16E-07	0.45E-01	22	0	0	F004	2	0.
1270003495814	WR	3277	884.33	468.99	12	0	0	0.10E 01	0.48E-01	12	0	0	F004	1	0.
1270003495864	WR	3277	351.57	440.13	14	0	0	0.10E 01	0.18E-01	14	0	0	F004	1	0.
1270003495865	WR	3277	512.36	396.07	19	0	0	0.10E 01	0.47E-02	19	0	0	F004	0	0.
1270003495866	WR	3277	600.67	456.08	20	2	0	0.14E-07	0.37E-01	18	0	0	F004	1	0.
1270003495868	WR	3277	1020.15	426.98		2	0	0.10E 01	0.56E-01	13	2	0	F004	1	0.
1270003495870	WR	3277	24967.52	2952.06		65	0	0.10E 01	0.10E 01	24	65	0	F004	8	0.

NSN	ALC	SMC	COST	RCOST	TARGET	NCRUSREP	NCRUSPRO	SVLAST	FBOS	ITASSE	NREP	NPROC	LAST MD	NREC	SRUEBO
1270003495871	WR	327Z	3507.31	1042.18	21	36	0	0.22E-07	0.31E 00	13	28	0	F004	3	0.
1270003495873	WR	327Z	29697.53	6051.32	29	185	0	0.15E-07	0.11E 02	8	164	0	F004	22	0.44
1270003495874	WR	327Z	1069.11	894.10	22	43	0	0.21E-07	0.59E 00	8	29	0	F004	5	0.
1270003495875	WR	327Z	265.78	360.06	40	0	0	0.10E 01	0.16E-02	40	0	0	F004	0	0.
1270003528672	WR	327Z	689.94	414.98	19	0	0	0.10E 01	0.45E-02	19	0	0	F004	0	0.
1270003528690	WR	327Z	8083.73	2928.49	16	37	6	0.10E 01	0.20E 00	16	37	6	F004	2	0.
1270003528693	WR	327Z	1307.89	456.08	16	29	0	0.10E 01	0.	16	29	0	F004	0	0.
1270003528702	WR	327Z	791.93	426.98	21	18	0	0.16E-07	0.19E 00	3	0	0	F004	1	0.
1270003528713	WR	327Z	2939.76	900.15	13	0	0	0.10E 01	0.89E-01	13	0	0	F004	1	0.
1270003528722	WR	327Z	1451.88	516.09	13	13	0	0.10E 01	0.58E-01	13	13	0	F004	1	0.
1270003528728	WR	327Z	12254.58	1581.40	28	178	0	0.22E-07	0.39E 01	6	156	0	F004	12	0.
1270003552209	WR	327Z	5668.33	1242.21	30	65	0	0.26E-07	0.67E 00	17	52	0	F004	6	0.
1270003552233	WR	327Z	1253.90	444.07	21	15	0	0.26E-07	0.31E 00	6	0	0	F004	2	0.
1270003618223	WR	327Z	6237.08	1077.43	8	0	0	0.10E 01	0.11E 00	8	0	0	F004	1	0.
1270003679692	WR	327Z	2884.56	468.08	18	0	0	0.10E 01	0.46E-03	18	0	0	F004	0	0.
1270003938955	WR	327Z	6039.10	1344.22	20	14	0	0.10E 01	0.	20	14	0	F004	0	0.
1270003938964	WR	327Z	722.34	408.07	21	11	0	0.21E-07	0.10E 00	13	3	0	F004	1	0.
1270003938965	WR	327Z	416.25	472.17	21	7	0	0.18E-07	0.92E-01	14	0	0	F004	1	0.
1270003938967	WR	327Z	425.72	420.98	22	38	0	0.30E-07	0.33E 00	12	28	0	F004	3	0.
1270003939042	WR	327Z	605.59	432.98	22	26	0	0.33E-07	0.29E 00	13	17	0	F004	3	0.
1270003939062	WR	327Z	271.90	432.07	20	1	0	0.16E-07	0.18E-01	19	0	0	F004	1	0.
1270003939066	WR	327Z	463.52	432.07	22	9	0	0.21E-07	0.25E 00	13	0	0	F004	2	0.
1270003939068	WR	327Z	869.93	444.99	21	35	4	0.23E-07	0.98E 00	1	19	0	F004	6	0.
1270003939125	WR	327Z	961.12	521.08	13	6	0	0.10E 01	0.	13	6	0	F004	0	0.
1270003939130	WR	327Z	790.97	420.07	13	33	0	0.10E 01	0.	13	33	0	F004	0	0.
1270003939132	WR	327Z	951.52	433.90	21	28	0	0.42E-07	0.16E 01	0	7	0	F004	5	0.
1270003939136	WR	327Z	488.24	432.07	13	5	0	0.10E 01	0.78E-01	13	5	0	F004	1	0.
1270003939137	WR	327Z	507.92	480.08	21	15	0	0.35E-07	0.22E 00	13	7	0	F004	2	0.
1270003939140	WR	327Z	718.74	426.98	22	16	4	0.21E-07	0.72E 00	2	0	0	F004	6	0.
1270003939141	WR	327Z	3064.54	1080.18	21	1	0	0.18E-07	0.54E-01	20	0	0	F004	4	0.
1270003939158	WR	327Z	785.93	472.17	22	26	0	0.17E-07	0.16E 01	0	4	0	F004	5	0.
1270003939159	WR	327Z	799.13	396.07	11	0	0	0.10E 01	0.56E-01	11	0	0	F004	1	0.
1270003939164	WR	327Z	812.33	596.07	17	0	0	0.10E 01	0.90E-02	17	0	0	F004	0	0.
1270003939173	WR	327Z	765.54	432.07	32	91	10	0.20E-07	0.27E 01	9	78	0	F004	15	0.
1270003977787	WR	327Z	493.16	521.08	13	11	0	0.10E 01	0.	13	11	0	F004	0	0.
1270004066124	WR	999F	922.72	184.59	18	14	0	0.10E-06	0.46E-01	4	0	0	F106	1	0.
1270004320014	WR	400Z	14398.80	258.73	3	14	3	0.10E 01	0.49E 00	3	14	3	C130	4	0.
1270004325989	WR	400Z	959.92	1440.24	5	0	0	0.10E 01	0.62E-04	5	0	0	C130	0	0.
1270004512162	WR	324F	77485.94	1915.58	20	188	0	0.30E-06	0.55E 01	11	179	0	F111	14	0.03
1270004513308	WR	336A	327.57	437.10	11	47	0	0.29E-05	0.18E 01	6	42	0	V010	12	0.
1270004517110	WR	400Z	16603.02	4980.83	11	8	0	0.73E-07	0.43E 00	11	8	0	C130	4	0.01
1270004517111	WR	400Z	25197.90	3396.57	9	3	0	0.63E-07	0.12E 01	9	3	0	C130	4	0.00
1270004517112	WR	400Z	4648.41	1824.30	10	4	0	0.61E-07	0.22E 00	9	3	0	C130	4	0.07
1270004517113	WR	400Z	3591.30	4980.83	8	2	0	0.10E 01	0.36E-01	8	2	0	C130	1	0.07
1270004517116	WR	400Z	430.76	86.17	5	15	0	0.40E-06	0.20E 00	2	12	0	C130	3	0.
1270004517122	WR	400Z	610.75	600.10	4	15	0	0.10E-06	0.19E 00	2	13	0	C130	3	0.
1270004517142	WR	400Z	15584.30	6841.14	11	25	0	0.56E-07	0.15E 01	8	22	0	C130	6	0.
1270004517143	WR	400Z	7374.59	3768.63	2	8	0	0.75E-07	0.35E 00	1	7	0	C130	4	0.
1270004517144	WR	400Z	10733.11	4080.68	3	3	0	0.17E-06	0.74E 00	2	2	0	C130	4	0.00
1270004521134	WR	101D	8981.25	5952.99	5	0	0	0.10E 01	0.18E-02	5	0	0	B052	0	0.00

NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EBOS	ITASSE	NREP	NPROC	LAST MD	NREC	SKUERO
1270004543602		WR 201W	1258.70	715.00	26	1	0	0.33E-06	0.61E-01	25	0	0	F106	3	0.
1270004544585		WR 201W	6071.49	945.41	98	42	0	0.10E-06	0.15E 02	64	8	0	F106	33	2.62
1270004587907		WR 201W	1667.86	1127.26	78	82	0	0.16E-06	0.43E 01	48	52	0	F106	15	0.
1270004587910		WR 999F	531.56	247.93	18	12	5	0.12E-06	0.17E 00	2	1	0	F106	4	0.
1270004587943		WR 201W	1550.27	323.90	22	3	0	0.53E-06	0.10E 00	19	0	0	F106	2	0.
1270004587944		WR 400Z	3887.68	118.22	4	4	0	0.26E-06	0.21E 00	2	2	0	C130	2	0.
1270004587956		WR 201W	1259.90	441.01	26	0	0	0.10E 01	0.36E-01	26	0	0	F106	2	0.
1270004587957		WR 201W	5087.58	895.90	57	0	0	0.10E 01	0.38E-01	57	0	0	F106	4	0.
1270004637789		WR 201W	1104.87	150.95	27	0	36	0.13E-06	0.36E 01	5	0	14	F106	17	0.
1270004649734		WR 201W	1799.85	2484.26	8	0	0	0.10E 01	0.15E 00	8	0	0	F106	3	0.
1270004715947		WR 101H	6223.88	2318.93	33	122	0	0.97E-08	0.42E 02	5	94	0	B052	42	2.51
1270004752473		WR 327Z	6359.47	484.69	45	302	0	0.19E-07	0.45E 01	18	275	0	F004	14	0.
1270004767943		WR 400Z	209982.50	78013.00	9	0	0	0.10E 01	0.66E 01	9	0	0	C130	7	0.
1270004767945		WR 327Z	9780.38	1159.07	61	294	0	0.17E-07	0.11E 02	28	261	0	F004	26	2.37
1270004767946		WR 327Z	20017.93	1273.98	54	141	0	0.15E-07	0.18E 02	33	120	0	F004	33	1.17
1270004775635		WR 201W	706.74	454.86	36	0	0	0.10E 01	0.17E-04	36	0	0	F106	0	1.17
1270004775644		WR 201W	574.75	413.86	31	15	0	0.14E-06	0.38E 00	19	3	0	F106	4	0.
1270004806820		WR 400Z	9595.60	1919.60	3	5	0	0.10E 01	0.57E-01	3	5	0	C130	2	0.
1270004806821		WR 400Z	16739.80	3348.80	2	14	0	0.10E 01	0.84E-01	2	14	0	C130	2	0.
1270004806828		WR 400Z	15391.12	9001.50	3	15	0	0.10E 01	0.66E 00	3	15	0	C130	5	0.
1270004806833		WR 400Z	6634.25	1380.23	5	6	0	0.83E-07	0.20E 00	3	4	0	C130	3	0.
1270004809965		WR 400Z	1664.26	2088.35	3	12	0	0.87E-07	0.17E 00	2	11	0	C130	3	0.
1270004829869		WR 400Z	2950.55	590.26	2	6	0	0.91E-07	0.21E 00	0	4	0	C130	3	0.
1270004838190		WR 400Z	509.96	600.10	4	0	8	0.12E-06	0.11E 01	0	0	4	C130	4	0.
1270004847364		WR 400Z	5759.52	1152.19	1	3	0	0.11E-06	0.13E 00	0	2	0	C130	2	0.
1270004907755		WR 201W	1191.50	755.98	42	0	0	0.10E 01	0.65E-01	42	0	0	F106	4	0.
1270004991900		WR 129A	20367.10	2436.97	5	19	0	0.76E-07	0.70E 00	0	14	0	B111	6	0.12
1270005000953	991	WR 101D	178.59	84.55	-5	0	0	0.65E-07	0.10E 00	-5	0	0	B052	3	0.00
1270005033733		WR 101Z	1611.47	322.37	15	31	0	0.19E-07	0.11E 01	1	17	0	B052	7	0.
1270005065514		WR 101D	29279.96	2379.77	26	159	0	0.96E-08	0.92E 01	8	141	0	B052	18	0.54
1270005075141		WR 101Z	489.56	192.13	12	22	0	0.17E-06	0.47E 00	0	10	0	B052	4	0.
1270005095646		WR 101D	15502.71	1864.86	32	258	0	0.11E-07	0.25E 02	9	235	0	B052	32	1.21
1270005095687	991	WR 101Z	644.96	140.63	-66	0	0	0.18E-07	0.79E 00	-66	0	0	B052	9	0.12
1270005127708		WR 101D	19389.18	3981.88	21	177	0	0.95E-08	0.69E 01	5	161	0	B052	19	0.03
1270005127735	991	WR 101Z	204.07	90.07	-73	0	0	0.23E-07	0.11E 01	-73	0	0	B052	10	0.07
1270005190031		WR 101Z	1791.45	803.14	45	100	0	0.13E-07	0.25E 01	21	76	0	B052	12	0.
1270005203911		WR 129A	20367.10	2327.56	8	43	0	0.86E-07	0.15E 01	1	36	0	B111	9	0.24
1270005227842		WR 101D	953.92	200.52	10	41	0	0.11E-06	0.95E 00	1	32	0	B052	6	0.
1270005234170	991	WR 101Z	348.08	74.94	18	0	0	0.17E-07	0.33E-02	18	0	0	B052	1	0.00
1270005348845		WR 201W	403.17	80.65	29	0	0	0.10E 01	0.49E-02	29	0	0	F106	1	0.00
1270005381956	991	WR 101Z	481.96	332.03	-130	0	0	0.12E-07	0.17E 01	-130	0	0	B052	15	0.01
1270005428917		WR 327Z	1401.48	408.07	22	23	0	0.36E-07	0.31E 00	13	14	0	F004	3	0.
1270005429128		WR 327Z	595.75	240.04	2	0	0	0.10E 01	0.93E-01	2	0	0	F004	2	0.
1270005429205		WR 327Z	399.21	396.07	20	0	10	0.21E-07	0.13E 00	10	0	0	F004	1	0.
1270005429214		WR 327Z	820.61	164.16	5	0	2	0.10E 01	0.	5	0	2	F004	0	0.
1270005429269		WR 327Z	97.64	396.07	20	0	3	0.85E-07	0.40E-01	17	0	0	F004	1	0.
1270005429309		WR 327Z	1234.70	473.62	27	159	5	0.22E-07	0.25E 01	8	145	0	F004	10	0.
1270005429320		WR 327Z	2855.76	864.14	8	41	0	0.10E 01	0.	8	41	0	F004	0	0.
1270005462334		WR 327Z	302.85	384.06	22	0	0	0.10E 01	0.22E-02	22	0	0	F004	0	0.
1270005489802		WR 327Z	616.75	456.08	20	0	0	0.10E 01	0.11E-02	20	0	0	F004	0	0.

NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EBOS	ITASSE	NREP	NPROC	LAST MD	NREC	SRUEAO
1270005518449		WR 327Z	19278.79	461.93	43	293	0	0.24E-07	0.66E 01	16	266	0	F004	21	0.
1270005518450		WR 327Z	366.21	288.16	22	20	0	0.23E-07	0.51E 00	2	0	0	F004	3	0.
1270005518451		WR 327Z	10494.33	370.47	32	159	0	0.20E-06	0.26E 01	20	147	0	F004	11	0.
1270005518452		WR 327Z	72821.93	971.93	59	101	0	0.21E-07	0.48E 01	28	70	0	F004	11	0.
1270005531802	991	WR 101Z	150.49	99.80	-21	0	0	0.41E-07	0.43E 00	-21	0	0	B052	6	0.00
1270005537172		WR 327Z	765.54	420.98	11	28	0	0.18E-07	0.13E 01	0	17	0	F004	6	0.
1270005562269		WR 327Z	78863.43	5687.92	70	393	0	0.15E-07	0.27E 02	38	361	0	F004	49	3.61
1270005577146		WR 101Z	630.31	131.42	56	682	0	0.23E-07	0.93E 01	12	638	0	B052	28	0.
1270005647455	991	WR 101Z	374.85	126.07	-134	0	0	0.18E-07	0.48E 01	-134	0	0	B052	31	0.07
1270005686026		WR 101Z	1699.06	415.82	55	352	0	0.10F-07	0.52E 01	18	315	0	B052	20	0.
1270005830152		WR 101Z	1271.89	658.19	19	29	0	0.11E-07	0.12E 01	5	15	0	B052	7	0.
1270005831195		WR 201W	1153.10	999.43	38	39	0	0.17E-06	0.45E 01	4	5	0	F106	13	0.
1270005865575		WR 201W	2107.02	565.35	25	71	0	0.13E-06	0.51E 00	8	54	0	F106	6	0.
1270005865577		WR 201W	1199.90	418.31	24	68	0	0.19E-06	0.22E 01	3	47	0	F106	11	0.
1270005933042		WR 201W	1771.05	610.57	45	7	0	0.17E-06	0.94E 00	38	0	0	F106	8	0.
1270005946528		WR 201W	3460.51	654.43	26	114	0	0.18E-06	0.49E 00	10	98	0	F106	8	0.
1270006004354		WR 101G	24224.78	1638.30	48	375	0	0.90E-08	0.22E 02	12	339	0	B052	39	2.03
1270006004355		WR 101G	8658.48	628.12	20	88	0	0.14E-07	0.40E 01	2	70	0	B052	14	0.07
1270006004357		WR 101G	6875.43	1246.64	27	124	0	0.88E-08	0.76E 01	2	99	0	B052	21	0.80
1270006004359	991	WR 101Z	487.68	174.87	-88	0	0	0.15E-07	0.10E 01	-88	0	0	B052	11	0.04
1270006004360		WR 101G	6471.06	2634.13	25	120	0	0.14E-07	0.78E 01	7	102	0	B052	20	0.36
1270006004361		WR 101G	23867.21	1960.87	34	301	0	0.87E-08	0.17E 02	6	273	0	B052	28	0.57
1270006004362		WR 101G	911.92	195.54	22	0	0	0.10F 01	0.42E-03	22	0	0	B052	0	0.57
1270006004363		WR 101G	5796.72	992.04	39	378	0	0.90E-08	0.59E 01	10	349	0	B052	20	0.
1270006017453		WR 101Z	525.56	189.24	29	42	0	0.25E-07	0.12E 01	6	19	0	B052	7	0.
1270006075994	991	WR 101Z	570.24	203.09	-39	0	0	0.15F-07	0.10E 01	-39	0	0	B052	8	0.00
1270006110223	991	WR 101Z	433.39	187.57	-23	0	0	0.80E-07	0.47E 00	-23	0	0	B052	5	0.00
1270006110224	991	WR 101Z	441.01	74.42	-68	0	0	0.73E-07	0.99E 00	-68	0	0	B052	10	0.07
1270006110234	991	WR 101Z	562.93	129.48	-16	0	0	0.67E-07	0.39E 00	-16	0	0	B052	4	0.01
1270006154968		WR 9999	4682.01	4810.63	19	17	0	0.33E-05	0.14E 01	17	15	0	T039	7	0.
1270006335639		WR 201W	520.76	398.92	28	0	0	0.10E 01	0.54E-01	28	0	0	F106	4	0.
1270006336479		WR 101Z	1295.89	1002.13	25	56	0	0.14E-07	0.86E 01	2	33	0	B052	27	0.42
1270006354353		WR 101D	5227.96	1045.85	1	0	0	0.10F 01	0.84E-02	1	0	0	B052	1	0.42
1270006354381		WR 101Z	1625.86	195.30	12	13	0	0.87E-07	0.35E 00	0	1	0	B052	4	0.
1270006463689		WR 201W	2134.62	607.71	22	23	0	0.16E-06	0.27E 00	6	7	0	F106	4	0.
1270006718880		WR 101H	1407.48	363.23	7	8	0	0.45F-07	0.32E 00	0	1	0	B052	4	0.
1270006718941		WR 9999	767.94	651.25	3	0	0	0.10F 01	0.69E-03	3	0	0	T039	0	0.
1270006721772		WR 201W	484.76	202.71	8	13	0	0.10F 01	0.	8	13	0	F106	0	0.
1270006721785		WR 9999	914.32	1046.63	4	5	0	0.10E 01	0.	4	5	0	F105	0	0.
1270006726417		WR 306Z	3464.11	3543.21	12	37	0	0.22E-05	0.78E 00	10	35	0	F105	5	0.03
1270006829441		WR 201Z	1399.08	279.89	19	0	0	0.10F 01	0.62E-04	19	0	0	F106	0	0.03
1270006999252		WR 101D	723.54	328.13	47	57	0	0.12E-07	0.20E 01	31	41	0	B052	9	0.
1270007097670		WR 201W	13531.27	697.26	43	362	0	0.12F-06	0.51E 01	18	337	0	F106	23	0.
1270007275491		WR 201W	1367.89	273.65	52	10	0	0.12E-06	0.65E-01	42	0	0	F106	4	0.
1270007385406		WR 201W	5399.55	1066.39	148	958	0	0.97E-07	0.34E 02	52	862	0	F106	82	18.95
1270007394234		WR 101G	2742.97	623.94	35	271	0	0.10F-07	0.48E 01	7	243	0	B052	18	0.
1270007394236		WR 101D	2109.42	754.95	54	110	0	0.93E-08	0.26F 01	38	94	0	B052	12	0.
1270007395822	991	WR 101Z	468.20	188.65	8	0	0	0.34E-07	0.47E 00	8	0	0	B052	6	9.25
1270007395825		WR 101D	10767.90	5739.12	20	65	0	0.11F-07	0.91E 01	10	55	0	B052	15	0.29
1270007395827		WR 101D	4999.98	1054.04	19	59	0	0.12E-07	0.19E 01	8	48	0	B052	9	0.

NSN	AUC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EBOS	ITASSF	NREP	NPROC	LAST MD	NREC	SNUERO
1270007395830		WR 101Z	149.99	121.58	26	110	0	0.58E-07	0.19E 01	2	86	0	B052	10	0.
1270007395831	991	WR 101Z	1854.83	371.06	-7	0	0	0.52E-07	0.27E 00	-7	0	0	B052	3	0.01
1270007581531		WR 400Z	3268.53	2400.40	8	4	0	0.10E 01	0.77E-01	8	4	0	C130	3	0.01
1270007648544		WR 999F	1559.87	312.05	46	0	0	0.10E 01	0.66E-02	46	0	0	F106	1	0.01
1270007658463		WR 201W	497.96	429.92	47	0	0	0.10E 01	0.39E-01	47	0	0	F106	3	0.01
1270007801576		WR 306Z	309.57	222.48	1	0	0	0.10E 01	0.81E-03	1	0	0	F105	1	0.01
1270007940854		WR 999F	580.75	87.18	3	32	0	0.10E 01	0.71E-03	3	32	0	ZNUL	5	0.01
1270007944969C8		SM 303Z	852.77	1392.23	12	3	7	0.10E 01	0.	12	3	7	ZNUL	0	0.01
1270007949129C8		SM 303Z	784.01	586.90	74	2	69	0.10E 01	0.	74	2	69	ZNUL	0	0.01
1270007959003		WR 101H	1677.46	31 1270005831195			WR 201W	1153.10	999.43	38	39		0	0.17E-06	0.45E 01
1270005865575		WR 201W	2107.02	565.35	25	71	0	0.13E-06	0.51E 00	8	54	0	F106	6	0.
1270005865577		WR 201W	1199.90	418.31	24	68	0	0.19E-06	0.22E 01	3	47	0	F106	11	0.
1270005933042		WR 201W	1771.05	610.57	45	7	0	0.17E-06	0.94E 00	38	0	0	F106	8	0.
1270005946528		WR 201W	3460.51	654.43	26	114	0	0.18E-06	0.49E 00	10	98	0	F106	8	0.
1270006004354		WR 101G	24224.78	1638.30	48	375	0	0.90E-08	0.22E 02	12	339	0	B052	39	2.03
1270006004355		WR 101G	8658.48	628.12	20	88	0	0.14E-07	0.40E 01	2	70	0	B052	14	0.07
1270006004357		WR 101G	6875.43	1246.64	27	124	0	0.88E-08	0.76E 01	2	99	0	B052	21	0.80
1270006004359	991	WR 101Z	487.68	174.87	-88	0	0	0.15E-07	0.10E 01	-88	0	0	B052	11	0.04
1270006004360		WR 101G	6471.06	2634.13	25	120	0	0.14E-07	0.78E 01	7	102	0	B052	20	0.36
1270006004361		WR 101G	23867.21	1960.87	34	301	0	0.87E-08	0.17E 02	6	273	0	B052	28	0.57
1270006004362		WR 101G	911.92	195.54	22	0	0	0.10E 01	0.42E-03	22	0	0	B052	0	0.57
1270006004363		WR 101G	5796.72	992.04	39	378	0	0.90E-08	0.59E 01	10	349	0	B052	20	0.
1270006017453		WR 101Z	525.56	189.24	29	42	0	0.25E-07	0.12E 01	6	19	0	B052	7	0.
1270006075994	991	WR 101Z	570.24	203.09	-39	0	0	0.15E-07	0.10E 01	-39	0	0	B052	8	0.00
1270006110223	991	WR 101Z	433.39	187.57	-23	0	0	0.80E-07	0.47E 00	-23	0	0	B052	5	0.00
1270006110224	991	WR 101Z	441.01	74.42	-68	0	0	0.73E-07	0.99E 00	-68	0	0	B052	10	0.07
1270006110234	991	WR 101Z	562.93	129.48	-16	0	0	0.67E-07	0.39E 00	-16	0	0	B052	4	0.01
1270006154968		WR 9999	4682.01	4810.63	19	17	0	0.33E-05	0.14E 01	17	15	0	T039	7	0.
1270006335639		WR 201W	520.76	398.92	28	0	0	0.10E 01	0.54E-01	28	0	0	F106	4	0.
1270006336479		WR 101Z	1295.89	1002.13	25	56	0	0.14E-07	0.86E 01	2	33	0	B052	27	0.42
1270006350353		WR 101D	5227.96	1045.85	1	0	0	0.10E 01	0.84E-02	1	0	0	B052	1	0.42
1270006350381		WR 101Z	1625.86	195.30	12	13	0	0.87E-07	0.35E 00	0	1	0	B052	4	0.
1270006463689		KR 201W	2134.62	607.71	22	23	0	0.16E-06	0.27E 00	6	7	0	F106	4	0.
1270006718880		WR 101H	1407.48	363.23	7	8	0	0.45E-07	0.32E 00	0	1	0	B052	4	0.
1270006718941		WR 9999	767.94	651.25	3	0	0	0.10E 01	0.69E-03	3	0	0	T039	0	0.
1270006721772		WR 201W	484.76	202.71	8	13	0	0.10E 01	0.	8	13	0	F106	0	0.
1270006721785		WR 9999	914.32	1046.63	4	5	0	0.10E 01	0.	4	5	0	F105	0	0.
1270006726417		WR 306Z	3464.11	3543.21	12	37	0	0.22E-05	0.78E 00	10	35	0	F105	5	0.03
1270006829441		WR 201Z	1399.08	279.89	19	0	0	0.10E 01	0.62E-04	19	0	0	F106	0	0.03
1270006999252		WR 101D	723.54	328.13	47	57	0	0.12E-07	0.20E 01	31	41	0	B052	9	0.
1270007097670		WR 201W	13531.27	697.26	43	362	0	0.12E-06	0.51E 01	18	337	0	F106	23	0.
1270007275491		WR 201W	1367.89	273.65	52	10	0	0.12E-06	0.65E-01	42	0	0	F106	4	0.
1270007385406		WR 201W	5399.55	1066.39	148	958	0	0.97E-07	0.34E 02	52	862	0	F106	82	18.95
1270007394234		WR 101G	2742.97	623.94	35	271	0	0.10E-07	0.48E 01	7	243	0	B052	18	0.
1270007394236		WR 101D	2109.42	754.95	54	110	0	0.93E-08	0.26E 01	38	94	0	B052	12	0.
1270007395822	991	WR 101Z	468.20	188.65	8	0	0	0.34E-07	0.47E 00	8	0	0	B052	6	9.25
1270007395825		WR 101D	10767.90	5739.12	20	65	0	0.11E-07	0.91E 01	10	55	0	B052	15	0.29
1270007395827		WR 101D	4999.98	1054.04	19	59	0	0.12E-07	0.19E 01	8	48	0	B052	9	0.

NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EBOS	ITASSE	NREP	NPROC	LAST MD	NREC	SRUFRU
1270007395830		WR 101Z	149.99	121.58	26	110	0	0.58E-07	0.19E 01	2	86	0	B052	10	0.
1270007395831	991	WR 101Z	1854.83	371.06	-7	0	0	0.52E-07	0.27E 00	-7	0	0	B052	3	0.01
1270007581531		WR 400Z	3268.53	2400.40	8	4	0	0.10E 01	0.77E-01	8	4	0	C130	3	0.01
1270007648544		WR 999F	1559.87	312.05	46	0	0	0.10E 01	0.66E-02	46	0	0	F106	1	0.01
1270007658463		WR 201W	497.96	429.92	47	0	0	0.10E 01	0.39E-01	47	0	0	F106	3	0.01
1270007801576		WR 306Z	309.57	222.48	1	0	0	0.10E 01	0.81E-03	1	0	0	F105	1	0.01
1270007940854		WR 999F	580.75	87.18	3	32	0	0.10E 01	0.71E-03	3	32	0	ZNUL	5	0.01
1270007944969CB		SM 303Z	852.77	1392.23	12	3	7	0.10E 01	0.	12	3	7	ZNUL	0	0.01
1270007949129CB		SM 303Z	784.01	586.90	74	2	69	0.10E 01	0.	74	2	69	ZNUL	0	0.01
1270007959003		WR 101H	1677.46	315.21	11	27	0	0.28E-07	0.12E 01	0	16	0	B052	8	0.23
1270007975686		WR 101H	4372.44	1541.80	13	27	0	0.13E-07	0.24E 01	0	14	0	B052	11	0.18
1270007979234	991	WR 101Z	191.44	100.18	3	0	0	0.16E-06	0.37E-01	3	0	0	B052	1	0.03
1270007979235	991	WR 101Z	182.22	55.50	-34	0	0	0.23E-07	0.96E 00	-34	0	0	B052	9	3.10
1270007987456		WR 999F	837.53	165.74	18	8	0	0.24E-06	0.56E-01	10	0	0	F106	1	0.
1270007987492		WR 999F	1047.51	209.55	3	5	0	0.10E 01	0.	3	5	0	F106	0	0.
1270007996680		WR 999F	908.32	156.84	23	97	0	0.15E-06	0.16E 01	2	76	0	F106	11	0.
1270008152949		WR 201W	1988.23	270.27	19	14	0	0.22E-06	0.15E 00	5	0	0	F106	3	0.01
1270008159630		WR 201W	2116.62	604.83	19	26	11	0.11E-06	0.14E 02	3	21	0	F106	20	1.28
1270008243528		WR 201W	3790.48	1244.27	6	28	0	0.10E 01	0.	6	28	0	F106	0	1.28
1270008270400		WR 101H	919.12	194.47	7	14	4	0.16E-07	0.69E 00	0	11	0	B052	5	0.
1270008276650		WR 101H	621.55	273.11	51	188	0	0.12E-07	0.75E 01	9	146	0	B052	21	0.
1270008349620		WR 9999	4037.66	574.18	19	153	0	0.10E-07	0.27E 01	2	136	0	C135	9	0.
1270008443390		WR 101D	2270.21	1017.81	67	215	0	0.13E-07	0.40E 01	49	197	0	B052	15	0.
1270008443392		WR 101G	2047.03	1358.29	53	573	0	0.94E-08	0.95E 01	16	536	0	B052	28	0.
1270008537147		WR 201W	1237.10	836.42	73	16	0	0.10E-06	0.39E 00	57	0	0	F106	8	0.
1270008537149		WR 201W	1635.46	725.02	68	0	0	0.10E 01	0.24E-02	68	0	0	F106	1	0.
1270008560428		WR 101H	31667.76	2718.93	30	282	5	0.11E-07	0.24E 02	11	268	0	B052	33	0.04
1270008560429		WR 101H	21330.62	2553.67	36	231	0	0.13E-07	0.13E 02	8	203	0	B052	27	0.24
1270008560430		WR 101H	21250.23	6529.06	49	488	0	0.10E-07	0.26E 02	16	455	0	B052	38	0.16
1270008560431		WR 101H	33238.43	3084.90	36	235	0	0.11E-07	0.25E 02	8	207	0	B052	36	1.02
1270008560435		WR 101H	21937.77	2382.07	49	362	0	0.91E-08	0.45E 02	10	323	0	B052	74	3.86
1270008569760		WR 101H	28369.24	2821.47	30	174	0	0.11E-07	0.19E 02	6	150	0	B052	29	0.35
1270008579232CB		SM 303Z	3288.93	11093.45	18	11	6	0.10E 01	0.	18	11	6	ZNUL	0	0.35
1270008582962		WR 201W	522.20	308.04	19	30	0	0.12E-06	0.23E 00	1	12	0	F106	5	0.
1270008632908CB		SM 303Z	368.37	73.69	3	1	2	0.10E 01	0.	3	1	2	ZNUL	0	0.
1270008649550		WR 101H	12108.19	5372.60	39	275	0	0.96E-08	0.36E 02	10	246	0	B052	40	0.67
1270008689556	991	WR 9999	31.39	6.53	-36	0	0	0.38E-06	0.95E-01	-36	0	0	C135	17	0.11
1270008692592		WR 335A	4575.22	420.07	3	2	0	0.54E-05	0.43E 00	2	1	0	A037	5	0.
1270008694784		WR 324Z	9269.23	2060.98	8	12	0	0.20E-07	0.27E 01	1	5	0	B111	8	0.07
1270008731503		WR 101Z	5657.53	1596.15	28	64	0	0.16E-07	0.16E 01	14	50	0	B052	8	0.00
1270008755995		WR 101H	479.96	144.91	11	8	0	0.10E-06	0.36E 00	3	0	0	B052	4	0.
1270008766002		WR 9999	2934.96	1850.12	27	220	0	0.13E-07	0.14E 02	9	202	0	B052	25	0.62
1270008767692	991	WR 101Z	762.00	145.24	-7	0	0	0.63E-07	0.15E 00	-7	0	0	B052	4	0.92
1270008803705		WR 201W	29997.50	2504.42	65	55	0	0.96E-07	0.21E 02	51	1	0	F106	55	4.53
1270008986246		WR 101H	721.14	259.78	6	2	0	0.96E-07	0.29E-01	4	0	0	B052	2	0.
1270008997359		WR 201W	1448.28	397.79	43	0	0	0.10E 01	0.38E-02	43	0	0	F106	1	0.
1270009018844		WR 201W	36644.95	2075.11	44	3	0	0.14E-06	0.23E 00	41	0	0	F106	15	2.27
1270009059316		WR 327Z	415.29	218.83	24	61	0	0.22E-07	0.19E 01	1	38	0	F004	9	0.
1270009091639		WR 327Z	15885.48	1486.66	36	106	0	0.27E-07	0.49E 01	19	89	0	F004	19	1.24
1270009160176		WR 327Z	2594.18	721.48	78	413	0	0.16E-07	0.86E 01	33	368	0	F004	19	0.

NSN	ALC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EBOS	ITASSE	NREP	NPROC	LAST MD	NREC	SRUFRO
1270009160178	WR	327Z	3064.54	560.18	62	220	0	0.21E-07	0.51E 01	35	193	0	F004	15	0.
1270009171537	WR	201W	5591.53	942.75	54	30	0	0.97E-07	0.28E 01	24	0	0	F106	17	1.59
1270009173188	WR	324Z	6359.47	1204.71	7	23	0	0.12E-07	0.15E 01	0	16	0	F111	7	0.47
1270009178718	WR	306Z	12423.76	3551.56	8	35	0	0.28E-05	0.37E 00	7	34	0	F105	4	0.
1270009216788	WR	101G	55856.54	18424.41	28	225	0	0.14E-07	0.90E 02	10	207	0	B052	29	0.67
1270009216790	WR	101D	69926.57	16614.26	13	60	0	0.15E-07	0.52E 02	3	50	0	B052	21	0.50
1270009280899	WR	9999	21519.01	10936.49	17	18	0	0.27E-05	0.16E 01	16	17	0	T039	7	0.
1270009319365	WR	201W	13776.05	1169.55	32	37	0	0.13E-06	0.43E 01	14	19	0	F106	26	0.55
1270009329014	WR	988W	1885.04	470.48	0	7	0	0.10E 01	0.14E 01	0	7	0	ZNUL	16	0.55
1270009341518	WR	201W	5213.57	648.38	21	1	0	0.11E-06	0.15E-01	20	0	0	F106	2	0.15
1270009341519	WR	201W	36860.93	2409.37	54	38	0	0.12E-06	0.11E 02	22	6	0	F106	40	4.15
1270009370201	WR	101Z	17327.76	1986.14	50	62	0	0.14E-07	0.16E 01	36	48	0	B052	8	0.
1270009375051	WR	327Z	29500.74	1081.98	55	126	0	0.33E-07	0.94E 01	27	98	0	F004	23	2.57
1270009548450	WR	201W	17998.50	1634.68	62	0	0	0.10E 01	0.25E-01	62	0	0	F106	8	2.57
1270009670783	WR	9999	1239.50	1017.05	4	6	0	0.48E-05	0.81E 00	1	3	0	T039	5	0.
1270009737787	WR	400Z	636.19	224.68	2	7	0	0.25E-06	0.42E-01	1	6	0	C130	1	0.
1270009739190	WR	201W	1046.31	601.55	39	2	0	0.22E-06	0.22E 00	37	0	0	F106	6	0.
1270009755811	WR	327Z	2519.79	302.33	57	170	0	0.16E-07	0.31E 01	31	144	0	F004	12	0.
1270009755822	WR	3277	3059.74	962.80	52	131	0	0.22E-07	0.35E 01	28	107	0	F004	10	0.
1270009755895	WR	327Z	1499.88	2284.32	72	366	0	0.18E-07	0.66E 01	46	340	0	F004	20	0.
1270009755898	WR	327Z	1439.88	288.05	45	0	0	0.10E 01	0.51E-04	45	0	0	F004	0	0.
1270009783994CB	SM	303Z	863.93	172.83	3	0	2	0.10E 01	0.	3	0	2	ZNUL	0	0.
1270009842039	WR	201W	20506.29	1030.04	32	135	0	0.67E-06	0.36E 01	17	120	0	F106	21	0.13
1270009842145	WR	999F	1125.51	276.80	5	9	0	0.10E 01	0.	5	9	0	F106	0	0.13
1270009849661	WR	201W	1582.67	356.05	22	3	0	0.35E-06	0.72E-01	19	0	0	F106	2	0.
1270009849665	WR	201W	818.33	281.52	36	0	0	0.10E 01	0.39E-01	36	0	0	F106	2	0.
1270009849672	WR	201Z	333.93	330.92	13	4	0	0.12E-06	0.14E 00	9	0	0	F106	3	0.
1270009965887CB	SM	303Z	5253.16	1320.22	9	1	2	0.10E 01	0.	9	1	2	ZNUL	0	0.
1270009974761	WR	201W	5879.51	804.66	35	0	0	0.10E 01	0.87E-01	35	0	0	F106	4	0.
1270009977942	WR	201W	350.37	169.20	25	0	0	0.10E 01	0.14E-01	25	0	0	F106	1	0.
1270010031763	WR	999F	26782.97	6001.00	6	43	0	0.47E-06	0.68E 00	5	42	0	F005	9	0.43
1270010033380	WR	999F	38862.36	4800.80	7	80	0	0.56E-06	0.26E 01	2	75	0	F005	10	0.00
1270010104720	WR	201W	1093.11	491.51	39	0	0	0.10E 01	0.70E-01	39	0	0	F106	3	0.00
1270010104824	WR	201W	1061.91	956.51	76	13	0	0.12E-06	0.31E 00	63	0	0	F106	5	0.
1270010109267	WR	999A	159.83	428.42	30	88	0	0.35E-07	0.90E-01	27	85	0	A010	6	0.
1270010109268	WR	999A	897.89	404.62	27	17	0	0.10E 01	0.26E-02	27	17	0	A010	0	0.
1270010109269	WR	999A	1689.46	551.56	32	70	3	0.10E 01	0.22E-01	32	70	3	A010	1	0.
1270010109270	WR	999A	1659.46	650.84	28	26	1	0.10E 01	0.50E-02	28	26	1	A010	0	0.
1270010109271	WR	999A	1098.39	488.13	33	3	7	0.10E 01	0.11E-02	33	3	7	A010	0	0.
1270010110449	WR	999A	7814.95	651.36	29	21	4	0.10E 01	0.12E-02	29	21	4	A010	0	0.
1270010110478	WR	999A	1762.65	571.25	33	203	0	0.38E-07	0.66E 00	26	196	0	A010	12	0.
1270010118638	WR	420L	8366.90	1673.80	2	15	0	0.17E-06	0.10E 01	0	13	0	T038	5	0.
1270010116802	WR	999A	448.04	379.66	30	27	0	0.10E 01	0.	30	27	0	A010	0	0.
1270010116807	WR	329A	621.55	433.90	17	16	0	0.77E-07	0.58E-01	15	14	0	A010	3	0.
1270010116808	WR	329A	350.37	285.64	21	59	0	0.41E-07	0.43E 00	13	51	0	A010	6	0.
1270010116810	WR	329A	695.94	325.42	17	10	0	0.10E 01	0.80E-03	17	10	0	A010	0	0.
1270010116811	WR	329A	2237.81	325.42	17	1	1	0.10E 01	0.25E-02	17	1	1	A010	0	0.
1270010118594	WR	999A	448.04	379.66	30	33	12	0.10E 01	0.20E-01	30	33	12	A010	1	0.
1270010154318	WR	327Z	1016.32	432.07	18	19	0	0.20E-07	0.61E 00	13	14	0	F004	8	0.
1270010158045	WR	201W	502.88	100.60	13	15	0	0.31E-06	0.70E-01	2	4	0	F106	3	0.

NSN	AIC	SMC	COST	RCOST	TARGET	NLRUSREP	NLRUSPRO	SVLAST	EROS	ITASSE	NREP	NPROC	LAST MD	NREC	SRUFRU
1270010158046	WR	201W	1196.78	373.92	15	65	0	0.14E-06	0.29E 00	7	57	0	F106	5	0.
1270010158048	WR	201W	1033.83	206.82	14	22	0	0.11E-06	0.17E 00	3	11	0	F106	4	0.
1270010158049	WR	201W	540.91	108.21	14	9	0	0.19E-06	0.12E 00	5	0	0	F106	3	0.
1270010158050	WR	201W	331.05	66.23	14	9	0	0.17E-06	0.93E-01	5	0	0	F106	2	0.
1270010165005	WR	327Z	6798.63	651.36	17	24	0	0.10E 01	0.	17	24	0	F004	0	0.
1270010165006	WR	327Z	712.38	472.17	22	17	0	0.20E-07	0.25E 00	13	8	0	F004	2	0.
1270010188267	WR	328Z	56593.28	2400.40	135	811	0	0.22E-07	0.65E 02	79	755	0	F015	73	1.17
1270010224593	WR	330B	35063.48	2730.49	13	85	0	0.59E-06	0.20E 02	4	76	0	F005	26	0.91
1270010226153	WR	330B	39798.28	1060.72	5	0	0	0.10E 01	0.36E-02	5	0	0	F005	1	0.91
1270010251430	WR	327Z	41996.50	5274.46	27	331	0	0.16E-07	0.15E 02	12	316	0	F004	28	0.59
1270010251433	WR	327Z	17998.50	5629.53	11	86	10	0.16E-07	0.69E 01	7	86	6	F004	10	0.00
1270010259792	WR	327Z	978.88	472.17	14	32	0	0.10E 01	0.	14	32	0	F004	0	0.00
1270010279712	WR	201W	30009.50	3216.81	30	16	2	0.12E-06	0.14E 02	19	3	0	F106	46	4.38
1270010287491	WR	201W	8868.46	2229.05	32	217	0	0.93E-07	0.38E 01	16	201	0	F106	26	0.33
1270010287513	WR	201W	2537.79	985.52	2	4	0	0.10E 01	0.	2	4	0	F106	0	0.33
1270010298391	WR	327Z	585.79	481.20	24	87	0	0.32E-07	0.21E 01	2	65	0	F004	11	0.
1270010322958	WR	329A	10034.76	1320.22	44	81	0	0.40E-07	0.53E 01	16	53	0	A010	19	0.38
1270010322960	WR	329A	540.67	660.11	112	0	0	0.10E 01	0.34E-02	112	0	0	A010	0	0.38
1270010322961	WR	329A	817.13	660.11	228	252	0	0.28E-07	0.11E 02	176	200	0	A010	30	0.
1270010368368	WR	329A	546.55	433.90	17	12	2	0.10E 01	0.11E-02	17	12	2	A010	0	0.
1270010371950	WR	329A	8897.26	977.05	75	8	0	0.10E 01	0.	75	8	0	A010	0	0.
1270010405948	WR	328Z	44395.10	596.25	122	454	0	0.41E-07	0.56E 02	67	399	0	F015	35	7.19
1270010428441	WR	327Z	29888.31	2845.10	28	143	0	0.16E-07	0.18E 02	6	121	0	F004	46	2.60
1270010430827	WR	327Z	17775.32	1680.28	16	4	0	0.10E 01	0.12E 00	16	4	0	F004	2	2.60
1270010430992	WR	327Z	630.31	437.29	22	29	0	0.27E-07	0.30E 00	13	20	0	F004	3	0.
1270010430993	WR	327Z	444.92	420.98	13	0	0	0.10E 01	0.79E-01	13	0	0	F004	1	0.
1270010430994	WR	327Z	386.85	480.00	25	62	0	0.18E-07	0.73E 00	10	47	0	F004	6	0.
1270010430995	WR	327Z	398.01	444.07	14	0	0	0.10E 01	0.44E-01	14	0	0	F004	1	0.
1270010430996	WR	327Z	392.97	436.19	23	42	0	0.22E-07	0.18E 00	13	32	0	F004	2	0.
1270010430997	WR	327Z	1060.35	521.08	10	58	0	0.10E 01	0.	10	38	0	F004	0	0.
1270010436553	WR	327Z	386.85	492.08	21	1	0	0.27E-07	0.28E-01	20	0	0	F004	1	0.
1270010436554	WR	327Z	562.39	521.08	21	24	7	0.23E-07	0.11E 01	0	10	0	F004	4	0.
1270010453976MF	OO	320Z	80609.28	16125.89	77	122	0	0.27E-07	0.54E 01	67	112	0	F016	22	0.
1270010458472	WR	101Z	9238.03	958.71	80	448	2	0.10E-07	0.16E 02	40	410	0	B052	52	0.13
1270010458473	WR	101Z	13303.29	993.98	85	494	0	0.88E-08	0.18E 02	38	447	0	B052	35	0.54
1270010459009	WR	994A	9980.77	759.32	26	123	2	0.10E 01	0.27E 00	26	123	2	A010	9	0.54
1270010469884	WR	328Z	58210.75	1138.99	84	198	0	0.93E-07	0.55E 02	31	145	0	F015	43	11.32
1270010493442	WR	329A	48084.79	2223.72	6	27	0	0.43E-07	0.24E 01	4	25	0	A010	14	0.32
1270010512966	WR	101Z	3593.10	1536.57	73	494	1	0.97E-08	0.55E 02	19	441	0	B052	86	6.23
1270010512967	WR	101Z	3580.50	1633.59	47	371	0	0.97E-08	0.10E 02	11	335	0	B052	29	0.10
1270010521676	WR	201W	3538.51	1231.50	28	17	0	0.25E-06	0.15E 01	19	8	0	F106	9	0.
1270010525171	WR	201W	8089.73	4338.96	3	0	0	0.10E 01	0.17E 00	3	0	0	F106	2	0.
1270010584777	WR	327Z	959.92	192.03	1	2	0	0.29E-06	0.11E 00	0	1	0	F004	3	0.
1270010584272	WR	337A	7336.19	1920.32	15	7	0	0.10E 01	0.47E-02	15	7	0	A007	1	0.
1270010575160	WR	329A	21811.78	1395.70	142	185	0	0.30E-07	0.17E 02	99	142	0	A010	49	3.83
1270010575161	WR	337A	29003.98	7201.20	15	53	0	0.10E 01	0.80E 00	15	53	0	A007	14	3.83
1270010575383	WR	337A	1773.45	1274.61	19	70	0	0.17E-06	0.61E 00	15	66	0	A007	10	0.
1270010575384	WR	337A	929.44	1274.61	19	70	0	0.17E-06	0.61E 00	15	66	0	A007	9	0.
1270010575385	WR	337A	1861.04	1800.30	18	72	0	0.20E-06	0.61E 00	15	69	0	A007	10	0.
1270010575386	WR	337A	977.56	1262.61	16	51	0	0.23E-06	0.31E 00	14	29	0	A007	6	0.

APPENDIX C

SAMPLE AIRCRAFT FILE (ACLIST)

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SYSTEM ?LIST LA61A/STARS/COMMON/DM/SRTDPDOJ

1400 A007 ' A007D' 15 24 24 0
1680 A007 ' A007D' 29 18 18 0
1790 A007 ' A007D' 36 6 6 0
1960 A007 ' A007D' 37 2 2 0
2250 A007 ' A007D' 42 72 72 72
2590 A007 ' A007D' 55 18 18 0
3180 A007 ' A007D' 71 18 18 0
3440 A007 ' A007D' 78 24 24 0
4070 A007 ' A007D' 95 18 18 0
4780 A007 ' A007D' 121 18 18 0
4910 A007 ' A007D' 127 18 18 0
5020 A007 ' A007D' 134 18 18 0
5190 A007 ' A007D' 139 18 18 0
5200 A007 ' A007D' 140 18 18 0
5320 A007 ' A007D' 145 18 18 0
5360 A007 ' A007D' 147 36 36 0
5380 A007 ' A007D' 148 18 18 0
1240 A010 ' A010A' 8 18 18 0
1380 A010 ' A010A' 14 18 18 0
1650 A010 ' A010A' 28 76 76 76
1940 A010 ' A010A' 36 4 4 0
2300 A010 ' A010A' 44 1 1 0
2480 A010 ' A010A' 51 15 15 0
2700 A010 ' A010A' 59 18 18 0
4260 A010 ' A010A' 104 72 72 72
4360 A010 ' A010A' 107 14 14 14
5810 A010 ' A010A' 163 78 78 78
1220 A037 ' 0A037B' 7 24 24 0
1620 A037 ' 0A037B' 26 18 18 0
1900 A037 ' 0A037B' 36 4 4 0
2570 A037 ' 0A037B' 54 18 18 0
2680 A037 ' 0A037B' 58 24 24 0
4400 A037 ' 0A037B' 108 18 18 0
5510 A037 ' 0A037B' 153 9 9 0
5780 A037 ' 0A037B' 161 24 24 0
1050 B052 ' B052D' 4 14 14 14
1460 B052 ' B052D' 19 33 33 33
1760 B052 ' B052D' 34 14 14 14
2720 B052 ' B052D' 61 1 1 0
3800 B052 ' B052D' 89 14 14 14
1210 B052 ' B052G' 7 30 30 30
1340 B052 ' B052G' 12 16 16 16
1490 B052 ' B052G' 20 12 12 12
1950 B052 ' B052G' 36 4 4 0
2280 B052 ' B052G' 43 16 16 16
2620 B052 ' B052G' 57 16 16 16
3850 B052 ' B052G' 90 15 15 15
4940 B052 ' B052G' 128 15 15 15
5110 B052 ' B052G' 135 15 15 15
5770 B052 ' B052G' 160 16 16 16
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2190	B052	'	B052H'	40	30	30	30
2500	B052	'	B052H'	52	17	17	17
3200	B052	'	B052H'	72	20	20	20
4160	B052	'	B052H'	100	17	17	17
1800	B111	'	FB111A'	36	1	1	0
3930	B111	'	FB111A'	93	1	1	0
4650	B111	'	FB111A'	115	26	26	26
4700	B111	'	FB111A'	118	34	34	34
1010	C005	'	C005A'	2	4	4	4
1720	C005	'	C005A'	32	35	35	35
5340	C005	'	C005A'	146	35	35	35
1690	C007	'	C007A'	30	16	16	0
2470	C007	'	C007A'	51	16	16	0
2780	C007	'	C007A'	63	1	1	0
3860	C007	'	C007A'	91	16	16	0
1560	C130	'	C130A'	23	8	8	0
2410	C130	'	C130A'	49	8	8	0
2600	C130	'	C130A'	56	8	8	0
4130	C130	'	C130A'	98	8	8	0
4140	C130	'	C130A'	99	16	16	0
4320	C130	'	C130A'	106	16	16	0
4440	C130	'	C130A'	109	8	8	0
4790	C130	'	C130A'	121	8	8	0
4950	C130	'	C130A'	129	8	8	0
5070	C130	'	C130A'	134	8	8	0
5650	C130	'	C130A'	159	2	2	0
2090	C130	'	AC130A'	37	10	10	10
1290	C130	'	C130B'	10	8	8	0
1550	C130	'	C130B'	22	8	8	0
1600	C130	'	C130B'	25	8	8	0
1710	C130	'	C130B'	31	8	8	0
1780	C130	'	C130B'	35	8	8	0
2810	C130	'	C130B'	63	9	9	0
3310	C130	'	C130B'	75	16	16	0
3780	C130	'	C130B'	88	8	8	0
5440	C130	'	C130B'	150	8	8	0
5520	C130	'	C130B'	154	8	8	0
4980	C130	'	C130D'	132	8	8	0
1000	C130	'	C130E'	1	8	8	0
1040	C130	'	C130E'	3	8	8	0
1130	C130	'	C130E'	5	8	8	0
2240	C130	'	C130E'	41	10	10	10
2710	C130	'	C130E'	60	8	8	0
2900	C130	'	C130E'	64	1	1	0
3240	C130	'	C130E'	73	8	8	0
3270	C130	'	C130E'	74	6	6	6
3600	C130	'	C130E'	83	58	58	58
3890	C130	'	C130E'	92	16	16	16
4720	C130	'	C130E'	119	48	48	48
4880	C130	'	C130E'	126	16	16	0
4970	C130	'	C130E'	131	8	8	0
5430	C130	'	C130E'	150	8	8	0
5610	C130	'	C130E'	158	8	8	0

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5950 C130 '  C130E' 165  16  16  16
6250 C130 '  C130E' 176  19  19  19
6390 C130 '  C130E' 182  16  16  16
3110 C130 ' MC130E'  68   5   5   5
5740 C130 ' MC130E' 159   1   1   0
6040 C130 ' MC130E' 170   4   4   4
6260 C130 ' MC130E' 176   4   4   4
1070 C130 ' WC130E'   4   3   3   3
3260 C130 ' WC130E'  74   3   3   3
1770 C130 '  C130H'  34  48  48  48
3610 C130 '  C130H'  83  13  13  13
5550 C130 '  C130H' 156   8   8   0
3080 C130 ' AC130H'  68  10  10  10
2910 C130 ' DC130H'  64   1   1   0
2820 C130 ' HC130H'  63   6   6   0
2920 C130 ' HC130H'  64   1   1   0
3030 C130 ' HC130H'  66   2   2   0
3410 C130 ' HC130H'  78   5   5   5
3810 C130 ' HC130H'  89   6   6   0
3980 C130 ' HC130H'  93   3   3   3
4210 C130 ' HC130H' 101   4   4   0
5050 C130 ' HC130H' 134   2   2   0
5270 C130 ' HC130H' 143   4   4   0
5830 C130 ' HC130H' 163   1   1   1
6100 C130 ' HC130H' 170   2   2   2
3250 C130 ' WC130H'  74  11  11   4
3040 C130 ' HC130N'  66   2   2   0
3970 C130 ' HC130N'  93   1   1   1
5060 C130 ' HC130N' 134   2   2   0
5820 C130 ' HC130N' 163   4   4   4
6090 C130 ' HC130N' 170   2   2   2
1670 C131 '  C131B'  29   1   1   0
2130 C131 '  C131B'  39   1   1   0
2310 C131 '  C131B'  45   1   1   0
3430 C131 '  C131B'  78   1   1   0
4730 C131 '  C131B' 120   1   1   0
5370 C131 '  C131B' 147   1   1   0
1310 C131 '  C131D'  11   1   1   0
1350 C131 '  C131D'  13   1   1   0
1390 C131 '  C131D'  15   1   1   0
2330 C131 '  C131D'  46   1   1   0
2380 C131 '  C131D'  48   1   1   0
2520 C131 '  C131D'  53   1   1   0
2730 C131 '  C131D'  62   1   1   0
3130 C131 '  C131D'  70   1   1   0
3170 C131 '  C131D'  71   1   1   0
3570 C131 '  C131D'  82   1   1   0
4060 C131 '  C131D'  95   1   1   0
4280 C131 '  C131D' 105   1   1   0
4410 C131 '  C131D' 108   1   1   0
4570 C131 '  C131D' 113   1   1   0
4850 C131 '  C131D' 124   1   1   0
5010 C131 '  C131D' 134   1   1   0
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5250 C131 '  C131D' 142  1  1  0
5490 C131 '  C131D' 153  1  1  0
5620 C131 '  C131D' 158 18 18  0
1370 C131 '  C131E'  14  1  1  0
1610 C131 '  C131E'  26  1  1  0
2560 C131 '  C131E'  54  1  1  0
4770 C131 '  C131E' 121  1  1  0
4900 C131 '  C131E' 127  1  1  0
4500 C135 '  C135A' 111  1  1  1
5660 C135 '  C135A' 159  2  2  0
2160 C135 ' EC135A'  40  8  8  8
2660 C135 ' EC135A'  58  1  1  1
3470 C135 ' EC135A'  80  3  3  3
5310 C135 ' EC135A' 144  2  2  2
5750 C135 ' EC135A' 159  6  6  0
6150 C135 ' EC135A' 173  3  3  3
1030 C135 ' KC135A'   2 19 19 19
1060 C135 ' KC135A'   4  6  6  6
1190 C135 ' KC135A'   6  8  8  0
1200 C135 ' KC135A'   7 19 19 19
1250 C135 ' KC135A'   9 30 30 30
1330 C135 ' KC135A'  12 14 14 14
1450 C135 ' KC135A'  19 16 16 16
1480 C135 ' KC135A'  20 41 41 41
1570 C135 ' KC135A'  23  8  8  0
1750 C135 ' KC135A'  34 16 16 16
2120 C135 ' KC135A'  38  8  8  8
2180 C135 ' KC135A'  40 10 10 10
2260 C135 ' KC135A'  43 37 37 29
2320 C135 ' KC135A'  45  8  8  0
2400 C135 ' KC135A'  49  8  8  0
2490 C135 ' KC135A'  52 20 20 20
2580 C135 ' KC135A'  55  8  8  0
2610 C135 ' KC135A'  57 16 16 16
2670 C135 ' KC135A'  58 45 45 37
3190 C135 ' KC135A'  72 20 20 20
3620 C135 ' KC135A'  83  8  8  0
3630 C135 ' KC135A'  84 20 20 20
3790 C135 ' KC135A'  89 21 21 13
3840 C135 ' KC135A'  90 21 21 13
4040 C135 ' KC135A'  94 19 19 19
4080 C135 ' KC135A'  96  8  8  0
4120 C135 ' KC135A'  97  8  8  0
4150 C135 ' KC135A' 100 20 20 20
4640 C135 ' KC135A' 115 20 20 12
4680 C135 ' KC135A' 117  8  8  0
4690 C135 ' KC135A' 118 30 30 30
4890 C135 ' KC135A' 127 23 23 15
4930 C135 ' KC135A' 128 14 14 14
4960 C135 ' KC135A' 130  8  8  0
5100 C135 ' KC135A' 135 14 14 14
5350 C135 ' KC135A' 146 19 19 19
5720 C135 ' KC135A' 159 11 11  0
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5760	C135	'	KC135A'	160	16	16	16
6120	C135	'	KC135A'	170	15	15	15
1110	C135	'	C135B'	5	2	2	2
4490	C135	'	C135B'	111	2	2	2
5670	C135	'	C135B'	159	5	5	0
6220	C135	'	C135B'	175	1	1	1
1170	C135	'	WC135B'	5	1	1	0
2800	C135	'	WC135B'	63	2	2	2
4000	C135	'	WC135B'	93	5	5	5
2170	C135	'	EC135C'	40	4	4	4
2770	C135	'	EC135C'	63	3	3	3
4520	C135	'	EC135C'	111	9	9	9
2110	C135	'	RC135S'	38	2	2	2
5160	C135	'	RC135S'	137	2	2	2
4530	C135	'	RC135U'	111	2	2	2
4540	C135	'	RC135V'	111	12	12	12
1120	C140	'	C140A'	5	6	6	6
5000	C140	'	C140A'	133	4	4	0
6230	C140	'	C140A'	175	5	5	5
1020	C141	'	C141A'	2	16	16	16
1530	C141	'	C141A'	21	54	54	54
3880	C141	'	C141A'	92	36	36	36
4090	C141	'	C141A'	97	36	36	36
4480	C141	'	C141A'	110	54	54	54
5330	C141	'	C141A'	146	36	36	36
5680	C141	'	C141A'	159	4	4	0
5300	E003	'	E003A'	144	19	19	19
4510	E004	'	E004A'	111	4	4	4
1440	F004	'	F004C'	18	24	24	0
1920	F004	'	F004C'	36	4	4	0
2040	F004	'	F004C'	37	5	5	0
2370	F004	'	F004C'	47	18	18	0
2390	F004	'	F004C'	48	18	18	0
2790	F004	'	F004C'	63	24	24	0
2840	F004	'	F004C'	64	1	1	0
3050	F004	'	F004C'	66	18	18	0
3070	F004	'	F004C'	67	18	18	0
3320	F004	'	F004C'	75	18	18	0
3460	F004	'	F004C'	79	18	18	0
3680	F004	'	F004C'	85	55	55	55
4420	F004	'	F004C'	108	18	18	0
5040	F004	'	F004C'	134	18	18	0
5090	F004	'	F004C'	135	2	2	0
5210	F004	'	F004C'	141	1	1	0
1280	F004	'	RF004C'	10	36	36	36
1320	F004	'	RF004C'	11	18	18	0
1360	F004	'	RF004C'	13	18	18	0
1630	F004	'	RF004C'	27	18	18	0
1740	F004	'	RF004C'	33	18	18	0
1930	F004	'	RF004C'	36	4	4	0
2020	F004	'	RF004C'	37	2	2	0
2860	F004	'	RF004C'	64	1	1	0
3330	F004	'	RF004C'	76	18	18	0

3580	F004	'	RF004C'	82	18	18	0
4860	F004	'	RF004C'	124	18	18	0
5140	F004	'	RF004C'	136	78	78	78
5220	F004	'	RF004C'	141	1	1	0
5260	F004	'	RF004C'	142	18	18	0
5800	F004	'	RF004C'	162	18	18	18
6080	F004	'	RF004C'	170	18	18	18
6400	F004	'	RF004C'	183	18	18	18
2050	F004	'	F004D'	37	9	9	0
2750	F004	'	F004D'	62	18	18	0
2850	F004	'	F004D'	64	3	3	2
3010	F004	'	F004D'	66	57	57	57
3740	F004	'	F004D'	86	72	72	72
4050	F004	'	F004D'	94	27	27	0
4330	F004	'	F004D'	107	60	60	60
6070	F004	'	F004D'	170	18	18	18
6130	F004	'	F004D'	171	36	36	36
6300	F004	'	F004D'	178	24	24	24
6330	F004	'	F004D'	179	12	12	12
6340	F004	'	F004D'	180	54	54	54
1810	F004	'	F004E'	36	11	11	0
2010	F004	'	F004E'	37	8	8	6
2210	F004	'	F004E'	41	36	36	36
2420	F004	'	F004E'	50	52	52	52
2870	F004	'	F004E'	64	1	1	0
3000	F004	'	F004E'	66	36	36	36
4230	F004	'	F004E'	102	54	54	54
4370	F004	'	F004E'	107	23	23	23
5080	F004	'	F004E'	135	72	72	72
5910	F004	'	F004E'	165	36	36	36
6000	F004	'	F004E'	168	72	72	72
6170	F004	'	F004E'	174	24	24	24
6200	F004	'	F004E'	175	48	48	48
6310	F004	'	F004E'	178	24	24	24
2430	F004	'	F004G'	50	46	46	46
5920	F004	'	F004G'	165	12	12	12
6320	F004	'	F004G'	178	24	24	24
5580	F005	'	F005B'	157	9	9	9
3280	F005	'	F005E'	75	1	1	0
4350	F005	'	F005E'	107	44	44	44
5600	F005	'	F005E'	157	22	22	22
5790	F005	'	F005E'	162	18	18	18
5900	F005	'	F005E'	165	9	9	9
5980	F005	'	F005E'	167	6	6	6
5590	F005	'	F005F'	157	2	2	2
1820	F015	'	F015A'	36	4	4	0
2030	F015	'	F015A'	37	52	52	51
2970	F015	'	F015A'	65	60	60	60
3490	F015	'	F015A'	80	60	60	60
3670	F015	'	F015A'	85	68	68	68
4380	F015	'	F015A'	107	12	12	12
4920	F015	'	F015A'	128	1	1	0
5230	F015	'	F015A'	141	1	1	0

5850	F015	F015A	164	66	66	66
5960	F015	F015A	166	16	16	16
5990	F015	F015A	167	6	6	6
6050	F015	F015A	170	48	48	48
1830	F015	F015B	36	1	1	0
2060	F015	F015B	37	10	10	8
2980	F015	F015B	65	6	6	6
3500	F015	F015B	80	6	6	6
3660	F015	F015B	85	26	26	26
4390	F015	F015B	107	2	2	2
5240	F015	F015B	141	1	1	0
5860	F015	F015B	164	6	6	6
5970	F015	F015B	166	2	2	2
6060	F015	F015B	170	6	6	6
1880	F016	F016A	36	5	5	0
2070	F016	F016A	37	1	1	0
2950	F016	F016A	64	31	31	31
3720	F016	F016A	86	11	11	11
5730	F016	F016A	159	1	1	0
1890	F016	F016B	36	1	1	0
2080	F016	F016B	37	1	1	0
2940	F016	F016B	64	30	30	30
3730	F016	F016B	86	10	10	10
2150	F101	F101B	39	14	14	0
4430	F101	F101B	108	2	2	0
4460	F101	F101B	109	18	18	0
4750	F101	F101B	120	18	18	0
5400	F101	F101B	149	18	18	0
2880	F105	F105B	64	18	18	0
4110	F105	F105B	97	18	18	0
1150	F105	F105D	5	24	24	0
1470	F105	F105D	19	24	24	0
1700	F105	F105D	30	18	18	0
2440	F105	F105D	50	18	18	18
4870	F105	F105D	125	24	24	0
5290	F105	F105D	144	24	24	0
1500	F106	F106A	20	16	16	0
1540	F106	F106A	21	2	2	0
1660	F106	F106A	28	2	2	2
2350	F106	F106A	46	13	13	0
2460	F106	F106A	50	2	2	0
2540	F106	F106A	53	13	13	0
2630	F106	F106A	57	16	16	0
3150	F106	F106A	70	13	13	0
3210	F106	F106A	72	16	16	0
3290	F106	F106A	75	1	1	0
3340	F106	F106A	77	2	2	0
3510	F106	F106A	80	16	16	0
3640	F106	F106A	84	2	2	0
3900	F106	F106A	92	16	16	0
4170	F106	F106A	100	16	16	0
4300	F106	F106A	105	13	13	0
4590	F106	F106A	113	13	13	0

5390	F106	' F106A'	149	10	10	0
1510	F106	' F106B'	20	2	2	0
2360	F106	' F106B'	46	2	2	0
2550	F106	' F106B'	53	2	2	0
2640	F106	' F106B'	57	2	2	0
3160	F106	' F106B'	70	2	2	0
3220	F106	' F106B'	72	2	2	0
3300	F106	' F106B'	75	1	1	0
3520	F106	' F106B'	80	2	2	0
3910	F106	' F106B'	92	2	2	0
4180	F106	' F106B'	100	2	2	0
4310	F106	' F106B'	105	2	2	0
4600	F106	' F106B'	113	2	2	0
5410	F106	' F106B'	149	14	14	0
1840	F111	' F111A'	36	2	2	0
2000	F111	' F111A'	37	2	2	0
4240	F111	' F111A'	103	84	84	84
1430	F111	' F111D'	17	72	72	72
1850	F111	' F111D'	36	3	3	0
3940	F111	' F111D'	93	1	1	0
1860	F111	' F111E'	36	1	1	0
1970	F111	' F111E'	37	2	2	0
4030	F111	' F111E'	93	3	3	3
6350	F111	' F111E'	181	72	72	72
4020	F111	' F111F'	93	3	3	3
6140	F111	' F111F'	172	84	84	84
2200	H001	' TH001F'	40	2	2	2
2510	H001	' TH001F'	52	1	1	1
3350	H001	' TH001F'	78	4	4	4
3770	H001	' TH001F'	87	2	2	2
4200	H001	' TH001F'	100	2	2	2
5540	H001	' TH001F'	155	3	3	3
3590	H001	' HH001H'	83	3	3	3
4760	H001	' HH001H'	120	5	5	0
1090	H001	' UH001N'	5	9	9	9
1870	H001	' UH001N'	36	2	2	0
1980	H001	' UH001N'	37	2	2	0
2290	H001	' UH001N'	43	4	4	4
2890	H001	' UH001N'	64	4	4	4
2990	H001	' UH001N'	65	2	2	2
3060	H001	' UH001N'	66	3	3	3
3090	H001	' UH001N'	68	6	6	6
3120	H001	' UH001N'	69	5	5	5
3360	H001	' UH001N'	78	6	6	6
3750	H001	' UH001N'	86	2	2	2
4250	H001	' UH001N'	103	3	3	3
4710	H001	' UH001N'	118	2	2	2
5470	H001	' UH001N'	152	3	3	3
6010	H001	' UH001N'	169	4	4	4
6210	H001	' UH001N'	175	4	4	4
6370	H001	' UH001N'	182	2	2	2
2450	H001	' UH001P'	50	2	2	2
3480	H001	' UH001P'	80	2	2	2

3650	H001	UH001P	85	2	2	2
3710	H001	UH001P	86	2	2	2
1100	H003	CH003E	5	3	3	3
3100	H003	CH003E	68	4	4	4
3370	H003	CH003E	78	5	5	5
3700	H003	CH003E	85	6	6	0
4610	H003	CH003E	114	2	2	2
5120	H003	CH003E	136	4	4	4
5690	H003	CH003E	159	1	1	0
5930	H003	CH003E	165	2	2	2
6190	H003	CH003E	174	1	1	1
2230	H003	HH003E	41	6	6	6
3020	H003	HH003E	66	4	4	0
3380	H003	HH003E	78	3	3	3
4220	H003	HH003E	101	6	6	0
4270	H003	HH003E	104	3	3	3
5280	H003	HH003E	143	6	6	0
5940	H003	HH003E	165	3	3	3
6180	H003	HH003E	174	3	3	3
3390	H053	HH053B	78	5	5	5
1270	H053	CH053C	10	4	4	4
6290	H053	CH053C	177	7	7	0
2830	H053	HH053C	63	6	6	0
2930	H053	HH053C	64	2	2	0
3400	H053	HH053C	78	3	3	3
3990	H053	HH053C	93	5	5	5
5840	H053	HH053C	163	8	8	8
6110	H053	HH053C	170	5	5	5
1640	0002	0002A	28	24	24	24
2100	0002	0002A	38	7	7	7
4560	0002	0002A	112	18	18	0
4630	0002	0002A	114	19	19	19
5130	0002	0002A	136	33	33	33
5480	0002	0002A	152	18	18	0
5500	0002	0002A	153	9	9	0
5530	0002	0002A	155	9	9	9
5630	0002	0002A	158	18	18	0
6020	0002	0002A	169	6	6	6
1140	T033	T033A	5	4	4	0
1420	T033	T033A	16	5	5	0
1520	T033	T033A	20	3	3	0
1730	T033	T033A	33	5	5	0
2140	T033	T033A	39	2	2	0
2220	T033	T033A	41	14	14	14
2340	T033	T033A	46	3	3	0
2530	T033	T033A	53	2	2	0
2650	T033	T033A	57	3	3	0
2690	T033	T033A	59	3	3	0
2740	T033	T033A	62	2	2	0
2760	T033	T033A	63	7	7	7
3140	T033	T033A	70	3	3	0
3230	T033	T033A	72	3	3	0
3450	T033	T033A	79	4	4	0

3530	T033	'	T033A'	80	5	5	0
3690	T033	'	T033A'	85	3	3	0
3760	T033	'	T033A'	87	3	3	0
3920	T033	'	T033A'	92	5	5	0
3950	T033	'	T033A'	93	1	1	0
4100	T033	'	T033A'	97	2	2	0
4190	T033	'	T033A'	100	3	3	0
4290	T033	'	T033A'	105	2	2	0
4450	T033	'	T033A'	109	2	2	0
4580	T033	'	T033A'	113	2	2	0
4660	T033	'	T033A'	116	9	9	0
4740	T033	'	T033A'	120	3	3	0
5030	T033	'	T033A'	134	2	2	0
5420	T033	'	T033A'	149	5	5	0
5870	T033	'	T033A'	165	5	5	5
1580	T037	'	T037B'	24	33	33	0
3550	T037	'	T037B'	81	70	70	0
3820	T037	'	T037B'	90	24	24	0
4810	T037	'	T037B'	122	38	38	0
4830	T037	'	T037B'	123	64	64	0
5170	T037	'	T037B'	138	66	66	0
5450	T037	'	T037B'	151	64	64	0
5560	T037	'	T037B'	157	70	70	0
5700	T037	'	T037B'	159	1	1	0
1260	T038	'	T038A'	9	17	17	17
1590	T038	'	T038A'	24	92	92	0
1910	T038	'	T038A'	36	19	19	0
1990	T038	'	T038A'	37	9	9	0
2270	T038	'	T038A'	43	5	5	5
2960	T038	'	T038A'	65	132	132	132
3560	T038	'	T038A'	81	100	100	0
3960	T038	'	T038A'	93	3	3	0
4340	T038	'	T038A'	107	8	8	8
4800	T038	'	T038A'	122	58	58	0
4840	T038	'	T038A'	123	107	107	0
5180	T038	'	T038A'	138	39	39	0
5460	T038	'	T038A'	151	83	83	0
5570	T038	'	T038A'	157	94	94	0
5890	T038	'	T038A'	165	4	4	4
1180	T039	'	T039A'	5	1	1	0
3540	T039	'	T039A'	80	13	13	13
5710	T039	'	T039A'	159	7	7	0
6270	T039	'	T039A'	176	1	1	0
6380	T039	'	T039A'	182	1	1	0
1080	T039	'	CT039A'	5	10	10	10
1230	T039	'	CT039A'	7	4	4	4
1300	T039	'	CT039A'	10	4	4	4
3420	T039	'	CT039A'	78	5	5	5
3870	T039	'	CT039A'	91	4	4	4
4010	T039	'	CT039A'	93	5	5	5
4470	T039	'	CT039A'	110	6	6	6
4550	T039	'	CT039A'	111	12	12	12
4670	T039	'	CT039A'	116	5	5	5

```
4820 T039 ' CT039A' 122   8   8   8
4990 T039 ' CT039A' 133  10  10  10
5150 T039 ' CT039A' 136   4   4   4
5640 T039 ' CT039A' 159   9   9   9
5880 T039 ' CT039A' 165   2   2   2
6030 T039 ' CT039A' 170   2   2   2
6240 T039 ' CT039A' 175   6   6   6
6360 T039 ' CT039A' 182   3   3   3
1160 T043 '  T043A'   5   4   4   0
1410 T043 '  T043A'  15   2   2   0
3830 T043 '  T043A'  90  12  12   0
4620 V010 ' OV010A' 114  16  16  16
6160 V010 ' OV010A' 174  16  16  16
6280 V010 ' OV010A' 177  45  45   0
```

APPENDIX D

SAMPLE BASE LIST

```
SYSTEM ?LIST LA61A/STARS/COMMON/DM/PD80JREF

  1 ALLEN C. THOMPSON
  2 ALTUS AFB
  3 ANCHORAGE/IAP
  4 ANDERSON AFB
  5 ANDREWS AFB
  6 BANGOR IAP
  7 BARKSDALE AFB
  8 BAINES MPT
  9 BEALE AFB
 10 BERGSTROM AFB
 11 BIRMINGHAM MPT
 12 BLYTHEVILLE AFB
 13 BOISE
 14 BRADLEY
 15 BUCKLY
 16 BURLINGTON
 17 CANNON AFB
 18 CAPITOL
 19 CARSWELL AFB
 20 CASTLE AFB
 21 CHARLESTON AFB
 22 CHEYENNE
 23 CHICAGO
 24 COLOMBUS
 25 DALLAS
 26 DANE CO.
 27 DONNELLY
 28 DAVIS MONTHAN AFB
 29 DES MOINES
 30 DOBBINS AFB
 31 DOUGLAS
 32 DOVER AFB
 33 DULUTH
 34 DYESS AFB
 35 E WVA
 36 EDWARDS AFB
 37 EGLIN AFB
 38 EIELSON AFB
 39 ELLINGTON AFB
 40 ELLSWORTH AFB
 41 ELMENDORF AFB
 42 ENGLAND AFB
 43 FAIRCHILD AFB
 44 FARMINGDALE
 45 FORBES
 46 FRESNO
 47 FT SMITH
 48 FT WAYNE
 49 GEN. B MITCHELL
 50 GEORGE AFB
```

51 GLENN MARTIN
52 GRAND FORKS AFB
53 GREAT FALLS
54 GREATER PEORIA
55 GREATER PITTS
56 GREATER WILMINGTON
57 GRIFFISS AFB
58 GRISSOM AFB
59 HANCOCK
60 HARRISBURG
61 HARTFORD
62 HECTOR FIELD
63 HICKAM AFB
64 HILL AFB
65 HOLLOMAN AFB
66 HOMESTEAD AFB
67 HULMAN
68 HURLBURT
69 INDIAN SPRINGS
70 JACKSONVILLE
71 JOE FOSS
72 K I SAWYER AFB
73 KANAWLA
74 KEESLER AFB
75 KELLY AFB
76 KEY FIELD
77 KINGSLEY
78 KIRTLAND AFB
79 LAMBERT
80 LANGLY AFB
81 LAUGHLIN AFB
82 LINCOLN
83 LITTLE ROCK AFB
84 LORING AFB
85 LUKE AFB
86 MAC DILL AFB
87 MALMSTROM AFB
88 MANSFIELD
89 MARCH AFB
90 MATHER AFB
91 MAXWELL AFB
92 MC CHORD AFB
93 MC CLELLAN AFB
94 MC CONNELL AFB
95 MC ENTIRE
96 MC GHEE/TYSON
97 MC GUIRE AFB
98 MEMPHIS
99 MINN/ST PAUL
100 MINOT AFB
101 MOFFETT FIELD
102 MOODY AFB
103 MT HOME AFB

104 MYRTLE BEACH AFB
105 NAFEC
106 NASHVILLE
107 NELLIS AFB
108 NEW ORLEANS
109 NIAGARA FALLS
110 NORTON AFB
111 OFFUTT AFB
112 ONTARIO
113 OTIS
114 PATRIK AFB
115 PEASE AFB
116 PETERSON AFB
117 PHOENIX
118 PLATTSBURGH
119 POPE AFB
120 PORTLAND
121 PUERTO RICO
122 RANDOLPH AFB
123 REESE AFB
124 RENO
125 RICHARD E BYRD
126 RICHARDS GEBAUR AFB
127 RICKENBOCKER AFB
128 ROBINS AFB
129 ROSECRANS
130 SALT LAKE CITY
131 SAVANNAH
132 SCHENECTADY
133 SCOTT AFB
134 SELFRIDGE
135 SEYMOUR JOHNSON AFB
136 SHAW AFB
137 SHEMYA AFB
138 SHEPPARD AFB
139 SIOUX CITY
140 SPRINGFIELD
141 ST LOUIS
142 STANDIFORD
143 SUFFOLK CO.
144 TINKER AFB
145 TOLEDO EXPRESS
146 TRAVIS AFB
147 TUCSON
148 TULSA
149 TYNDALL AFB
150 VAN NUYS
151 VANCE AFB
152 VANDENBERG AFB
153 WESTCHESTER CO.
154 WESTOVER AFB
155 WHEELER AFB
156 WILL RODGERS

157 WILLIAMS AFB
158 WILLOW GROVE
159 WRIGHT PATTERSON AFB
160 WURTSMITH AFB
161 YOUNGSTOWN
162 ALCONBERRY
163 BENTWATERS/WOODBRIDGE
164 BITBURG
165 CLARK
166 C P NEW AMSTERDAM
167 DECIMOMANNU
168 HAHN
169 HOWARD
170 KADENA
171 KUNSAN
172 LAKENHEATH
173 MILDENHALL
174 OSAN
175 RAMSTEIN
176 RHEIN MAIN
177 SEMBACH
178 SPANGDAHLEM
179 TALGER
180 TARREJON
181 UPPER HEYFORD
182 YOKOTA
183 ZWEIBRUCKEN

APPENDIX E

SOURCE CODE OF THE DISTRIBUTION MODEL

```
SYSTEM ?LIST LA61A/STARS/SOURCE/DM/PICND01

1000C ** ** PICND 1/18/79 FOR DISTRIBUTION MOD-METRIC
1010      SUBROUTINE PICND
1020      COMMON/GENERAL/DEBUG,NSNOUT,S
1030      CHARACTER NSNOUT*18
1040      INTEGER S
1050      LOGICAL DEBUG
1060C-------
1070      COMMON/DEBOBLK/CUTOFF,DEBO(2000),DPIPE,DEBOCNT,INDXDBO,LUMPD
1080     &,MXNUMDEP,MXTOTDEP,NTOTDEP,OIMRTO
1090      INTEGER DEBOCNT
1100C-------------
1110      COMMON/EBOBLK/BRCRQ,BSHARE(257),COTAIL(257),EBO(257),KBASES
1120     &,NBASES,NLRUS(257),OSTRQ,PIPE(257),SRUEBO(257),SYSEBO,TERM(257)
1130     &,PIPMIN(257)
1140C-------
1150      COMMON/PICBLK/BEBOMIN(257),EBOMIN,NLRMIN(257)
1160C----------
1170      INTEGER DELTND
1180C-------
1190      INTEGER NEXT2(4),NEXT3(8),NEXT4(16),NEXT5(32),NEXT6(64)
1200      INTEGER NEXT7(128),JWIN1(2),JWIN2(4),JWIN3(8),JWIN4(16),JWIN5(32)
1210      INTEGER JWIN6(64),JLOSE1(2),JLOSE2(4),JLOSE3(8),JLOSE4(16)
1220      INTEGER JLOSE5(32),JLOSE6(64)
1230      INTEGER JWIN7(128),JLOSE7(128),NEXT8(256)
1240C-----------------------------------------------------
1250C---- THIS SUBROUTINE SEARCHES FOR THE ND (# OF DEPOT SPARES) WHICH
1260C---- GIVES THE LOWEST EBO (FOR A GIVEN S).  S IS THE TOTAL # OF SPARES
1270C---- WORLDWIDE.
1280      ASSIGN 2000 TO LINEBO
1290      IF(NBASES-2)5,,
1300      ASSIGN 3000 TO LINEBO
1310      IF(NBASES-5)5,,
1320      IF(S-1),5,
1330      ASSIGN 4000 TO LINEBO
1340      IF(NBASES-40)5,,
1350      ASSIGN 5000 TO LINEBO
1360    5 NDWIN=0
1370      ND=0
1380      ASSIGN 10 TO LINEPK
1390      GO TO 1000
1400C----  SAVE DATA FOR THIS CURRENT BEST CHOICE
1410   10 DO 20 I=1,KBASES
1420      NLRMIN(I)=NLRUS(I)
1430      BEBOMIN(I)=EBO(I)
1440      PIPMIN(I)=PIPE(I)
1450   20 CONTINUE
1460      EBOMIN=SYSEBO
1470      EBOSAVE=SYSEBO
1480      DELTND=(DEBOCNT+LUMPD-1)/2
1490      ASSIGN 25 TO LINEPK
```

```
      ND=DELTND
      GO TO 1000
   25 IF(SYSEBO.GE.EBOMIN)GO TO 200
C---- SAVE DATA FOR THIS CURRENT BEST CHOICE
      DO 30 I=1,KBASES
      NLRMIN(I)=NLRUS(I)
      BEBOMIN(I)=EBO(I)
      PIPMIN(I)=PIPE(I)
   30 CONTINUE
      EBOMIN=SYSEBO
      NDWIN=ND
      ND=DEBOCNT+LUMPD-2
      ASSIGN 35 TO LINEPK
      GO TO 1000
   35 IF(SYSEBO-EBOMIN)37,,
      IF(EBOSAVE-SYSEBO)100,,
      GO TO 200
C---- SAVE DATA FOR THIS CURRENT BEST CHOICE
   37 DO 40 I=1,KBASES
      NLRMIN(I)=NLRUS(I)
      BEBOMIN(I)=EBO(I)
      PIPMIN(I)=PIPE(I)
   40 CONTINUE
      EBOMIN=SYSEBO
      NDWIN=ND
C-------------------------------------------------------------
C---- LOWSIDE   CHECKS FOR NEXT BEST CHOICE ON THE LOW SIDE OF CURRENT
C----  BEST CHOICE FIRST.
  100 IF(DELTND.EQ.1)RETURN
      DELTND=.6+DELTND/2.
      ND=NDWIN-DELTND
      ASSIGN 110 TO LINEPK
      GO TO 1000
  110 IF(EBOMIN-SYSEBO)130,,
C---- SAVE DATA FOR THIS CURRENT BEST CHOICE
      DO 120 I=1,KBASES
      NLRMIN(I)=NLRUS(I)
      BEBOMIN(I)=EBO(I)
      PIPMIN(I)=PIPE(I)
  120 CONTINUE
      EBOMIN=SYSEBO
      NDWIN=ND
      GO TO 200
C---- LOW SIDE WASN'T BETTER, TRY HIGH SIDE (IF POSSIBLE).
  130 IF(LUMPD+DEBOCNT-NDWIN-DELTND-3)100,,
      EBOSAVE=SYSEBO
      ASSIGN 140 TO LINEPK
      ND=NDWIN+DELTND
      GO TO 1000
  140 IF(SYSEBO-EBOMIN)170,,
      IF(EBOSAVE-SYSEBO)100,,
      GO TO 200
C---- SAVE DATA FOR THIS CURRENT BEST CHOICE
```

```
2030  170 DO 180 I=1,KBASES
2040      NLRMIN(I)=NLRUS(I)
2050      BEBOMIN(I)=EBO(I)
2060      PIPMIN(I)=PIPE(I)
2070  180 CONTINUE
2080      EBOMIN=SYSEBO
2090      NDWIN=ND
2100      GO TO 100
2110C-------------------------------------------------------
2120C---- HIGHSIDE  CHECKS FOR THE NEXT BEST CHOICE ON THE HIGH SIDE OF
2130C----  THE CURRENT BEST CHOICE FIRST.
2140  200 IF(DELTND.EQ.1)RETURN
2150      DELTND=.6+DELTND/2.
2160      ASSIGN 210 TO LINEPK
2170      ND=NDWIN+DELTND
2180      GO TO 1000
2190  210 IF(EBOMIN-SYSEBO)230,,
2200C---- SAVE DATA FOR THIS CURRENT BEST CHOICE
2210      DO 220 I=1,KBASES
2220      NLRMIN(I)=NLRUS(I)
2230      BEBOMIN(I)=EBO(I)
2240      PIPMIN(I)=PIPE(I)
2250  220 CONTINUE
2260      EBOMIN=SYSEBO
2270      NDWIN=ND
2280      GO TO 100
2290C---- HIGH SIDE WASN'T BETTER, TRY LOW SIDE (IF POSSIBLE).
2300  230 IF(NDWIN.LE.DELTND)GO TO 200
2310      EBOSAVE=SYSEBO
2320      ASSIGN 240 TO LINEPK
2330      ND=NDWIN-DELTND
2340      GO TO 1000
2350  240 IF(SYSEBO-EBOMIN)270,,
2360      IF(EBOSAVE-SYSEBO)200,,
2370      GO TO 100
2380C---- SAVE DATA FOR THIS CURRENT BEST CHOICE
2390  270 DO 280 I=1,KBASES
2400      NLRMIN(I)=NLRUS(I)
2410      BEBOMIN(I)=EBO(I)
2420      PIPMIN(I)=PIPE(I)
2430  280 CONTINUE
2440      EBOMIN=SYSEBO
2450      NDWIN=ND
2460      GO TO 200
2470C*******************************************************
2480C  **  ** EBOCMP 5/16/79 FOR DISTRIBUTION MOD-METRIC
2490C-------------------------------
2500C---- GIVEN A TOTAL # OF SPARES WORLDWIDE (S) AND THE # OF SPARES
2510C---- AT THE DEPOT (ND), THIS SUBROUTINE WILL ALLOCATE THE REMAINING
2520C---- SPARES OPTIMALLY AMONG THE BASES AND COMPUTE THE EBO AT EACH
2530C---- BASE AND THE TOTAL EBO.
2540C---- BSHARE(J) IS THE PERCENTAGE OF THE TOTAL PIPELINE PRORATED TO
2550C---- BASE (J-1)
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2560C---- COTAIL(J) IS THE EBO REDUCTION FOR THE NEXT SPARE AT BASE (J-1)
2570C---- EBO(J) IS THE EBO AT BASE (J-1) AT THE CURRENT SPARES LEVEL
2580C---- NLRUS(J) IS THE CURRENT SPARES LEVEL AT BASE (J-1)
2590C---- PIPE(J) IS THE RESUPPLY PIPELINE AT BASE (J-1)
2600C---- TERM(J) IS THE PROB. THAT THE # IN RESUPPLY AT BASE (J-1)=NLRUS(J)
2610C---- J=1 IS THE DEPOT (FORTRAN DOESN'T ALLOW A ZERO SUBSCRIPT)
2620 1000 NLRUS(1)=ND
2630      DEPEBO=DEBO(1)-ND
2640      IF(ND.GE.LUMPD)DEPEBO=DEBO(ND-LUMPD+2)
2650      EBO(1)=DEPEBO
2660      NLEFT=S-ND
2670C---- SET UP EACH BASE FOR DISTRIBUTION COMP.  COMPUTE LUMP FOR
2680C---- EACH BASE, ALLOCATE LUMP SACROSANCT, AND INITIALIZE ARRAYS.
2690      DO 1200 J=2,KBASES
2700      BPIPE=BSHARE(J)*(BRCRQ+OSTRQ+DEPEBO*OIMRTO)+SRUEBO(J)
2710      PIPE(J)=BPIPE
2720      IF(BPIPE.LT.13.)GO TO 1100
2730      LUMPB=BPIPE-3.*SQRT(BPIPE)-1
2740      TRMLOG=-BPIPE
2750      CTL=1.
2760      I=0
2770      IF(-86.-TRMLOG)1060,,
2780 1050 I=I+1
2790      TRMLOG=TRMLOG+ALOG(BPIPE/I)
2800      IF(86.+TRMLOG)1050,,
2810 1060 TRM=EXP(TRMLOG)
2820      DO 1070 I=I+1,LUMPB
2830      TRM=TRM*BPIPE/I
2840      CTL=CTL-TRM
2850 1070 CONTINUE
2360      TERM(J)=TRM
2870      COTAIL(J)=CTL
2880      NLRUS(J)=LUMPB
2890      NLEFT=NLEFT-LUMPB
2900      EBO(J)=BPIPE-LUMPB
2910      GO TO 1200
2920 1100 TERM(J)=EXP(-BPIPE)
2930      COTAIL(J)=1.-TERM(J)
2940C---- TERM=P(BO=0) & COTAIL=P(BO>0)
2950      NLRUS(J)=0
2960      EBO(J)=BPIPE
2970 1200 CONTINUE
2980C-------------------------------------------------------
2990C-------------------------------------
3000C---- NOW ALLOCATE SPARES ONE AT A TIME FOR MAX EBO REDUCTION
3010      IF(NLEFT)800,550,LINEBO
3020C-------------------------------------
3030C---- ONE BASE ALGORITHM
3040 2000 NLRUSTOP=NLRUS(2)+NLEFT
3050 2500 IF(COTAIL(2).LE.0.)GO TO 9991
3060      EBO(2)=EBO(2)-COTAIL(2)
3070      NLRUS(2)=NLRUS(2)+1
3080      IF(NLRUS(2)-NLRUSTOP),550,
```

```
      TERM(2)=TERM(2)*PIPE(2)/NLRUS(2)
      COTAIL(2)=COTAIL(2)-TERM(2)
      GO TO 2500
C-------------------------------------------------------------
C---- SIMPLE ALGORITHM FOR 2 TO 4 BASES.
 3000 DO 3500 N=1,NLEFT
      JBEST=2
      DO 3300 J=3,KBASES
 3300 IF(COTAIL(J).GT.COTAIL(JBEST))JBEST=J
      IF(COTAIL(JBEST).LE.0.)GO TO 999
C---- JBEST IS THE BASE WHOSE NEXT SPARE IS THE BEST NEXT CHOICE
C---- BUY THAT SPARE AND COMPUTE THE EBO REDUCTION FOR THE NEXT SPARE
C---- FIRST CREDIT THE EBO REDUCTION AND INCREMENT ASSET LEVEL
C---- NEXT COMPUTE P(X=NLRUS) FOR NEW ASSET LEVEL & SUBTRACT THAT FROM
C---- COTAIL SO THAT COTAIL BECOMES P(BO>0) FOR THE NEW ASSET LEVEL
      EBO(JBEST)=EBO(JBEST)-COTAIL(JBEST)
      NLRUS(JBEST)=NLRUS(JBEST)+1
      TERM(JBEST)=TERM(JBEST)*PIPE(JBEST)/NLRUS(JBEST)
      IF(TERM(JBEST)),999,
      COTAIL(JBEST)=COTAIL(JBEST)-TERM(JBEST)
 3500 CONTINUE
      GO TO 550
C-------------------------------------------------------------
C---- VERSION 5 FOR 5 TO 45 BASES
 4000 IF(COTAIL(3)-COTAIL(2))4310,,
      J2=2
      JBEST=3
      GO TO 4320
 4310 JBEST=2
      J2=3
 4320 IF(COTAIL(4)-COTAIL(J2))4330,,
      IF(COTAIL(4)-COTAIL(JBEST))4325,,
      J3=J2
      J2=JBEST
      JBEST=4
      GO TO 4340
 4325 J3=J2
      J2=4
      GO TO 4340
 4330 J3=4
 4340 IF(COTAIL(5)-COTAIL(J3))4350,,
      IF(COTAIL(5)-COTAIL(J2))4346,,
      IF(COTAIL(5)-COTAIL(JBEST))4343,,
C---- 5 IS BEST SO FAR.
      J4=J3
      J3=J2
      J2=JBEST
      JBEST=5
      CJ4=COTAIL(J4)
      GO TO 4360
 4343 J4=J3
      J3=J2
      J2=5
```

```
3610       CJ4=COTAIL(J4)
3620       GO TO 4360
3630 4346  J4=J3
3640       J3=5
3650       CJ4=COTAIL(J4)
3660       GO TO 4360
3670 4350  J4=5
3680       CJ4=COTAIL(5)
3690 4360  J=5
3700 4370  J=J+1
3710       IF(CJ4-COTAIL(J))4380,,
3720       IF(J-KBASES)4370,4400,
3730C----- J-KBASES IS NEVER > 0
3740 4380  IF(COTAIL(J2)-COTAIL(J))4390,,
3750       IF(COTAIL(J3)-COTAIL(J))4385,,
3760       CJ4=COTAIL(J)
3770       J4=J
3780       IF(J-KBASES)4370,4400,
3790C----- J-KBASES IS NEVER > 0
3800 4385  CJ4=COTAIL(J3)
3810       J4=J3
3820       J3=J
3830       IF(J-KBASES)4370,4400,
3840 4390  IF(COTAIL(JBEST)-COTAIL(J))4395,,
3850       CJ4=COTAIL(J3)
3860       J4=J3
3870       J3=J2
3880       J2=J
3890       IF(J-KBASES)4370,4400,
3900C----- J-KBASES IS NEVER > 0
3910 4395  CJ4=COTAIL(J3)
3920       J4=J3
3930       J3=J2
3940       J2=JBEST
3950       JBEST=J
3960       IF(J-KBASES)4370,,
3970C----- NOW BUY JBEST
3980 4400  IF(COTAIL(JBEST).LE.0.)GO TO 999
3990C----- JBEST IS THE BASE WHOSE NEXT SPARE IS THE BEST NEXT CHOICE
4000C----- BUY THAT SPARE AND COMPUTE THE EBO REDUCTION FOR THE NEXT SPARE
4010C----- FIRST CREDIT THE EBO REDUCTION AND INCREMENT ASSET LEVEL
4020C----- NEXT COMPUTE P(X=NLRUS) FOR NEW ASSET LEVEL & SUBTRACT THAT FROM
4030C----- COTAIL SO THAT COTAIL BECOMES P(BO>0) FOR THE NEW ASSET LEVEL
4050       NLRUS(JBEST)=NLRUS(JBEST)+1
4060       NLEFT=NLEFT-1
4040       EBO(JBEST)=EBO(JBEST)-COTAIL(JBEST)
4045       IF(EBO(JBEST))999,,
4070       TERM(JBEST)=TERM(JBEST)*PIPE(JBEST)/NLRUS(JBEST)
4080       IF(TERM(JBEST)),999,
4090       COTAIL(JBEST)=COTAIL(JBEST)-TERM(JBEST)
4100       IF(NLEFT),550,
4110       IF(COTAIL(JBEST)-CJ4)4420,,
4120       IF(COTAIL(J3)-COTAIL(JBEST))4410,,
```

```
4130       J=JBEST
4140       JBEST=J2
4150       J2=J3
4160       J3=J
4170       GO TO 4400
4180 4410 IF(COTAIL(J2)-COTAIL(JBEST))4400,,
4190       J=JBEST
4200       JBEST=J2
4210       J2=J
4220       GO TO 4400
4230C---- BUY J2 ----------
4240 4420 IF(COTAIL(J2))999,,
4260       NLRUS(J2)=NLRUS(J2)+1
4270       NLEFT=NLEFT-1
4250       EBO(J2)=EBO(J2)-COTAIL(J2)
4255       IF(EBO(J2))999,,
4280       TERM(J2)=TERM(J2)*PIPE(J2)/NLRUS(J2)
4300       COTAIL(J2)=COTAIL(J2)-TERM(J2)
4310       IF(NLEFT),550,
4320       IF(COTAIL(J2)-CJ4)4430,,
4330       IF(COTAIL(J3)-COTAIL(J2))4420,,
4340       J=J2
4350       J2=J3
4360       J3=J
4370       GO TO 4420
4380C---- BUY J3&J4 ----------
4390 4430 IF(COTAIL(J3))999,,
4400       EBO(J3)=EBO(J3)-COTAIL(J3)
4410       NLRUS(J3)=NLRUS(J3)+1
4420       NLEFT=NLEFT-1
4430       TERM(J3)=TERM(J3)*PIPE(J3)/NLRUS(J3)
4450       COTAIL(J3)=COTAIL(J3)-TERM(J3)
4460       IF(NLEFT),550,
4490       IF(CJ4)999,,
4500       EBO(J4)=EBO(J4)-CJ4
4510       NLRUS(J4)=NLRUS(J4)+1
4520       NLEFT=NLEFT-1
4530       TERM(J4)=TERM(J4)*PIPE(J4)/NLRUS(J4)
4550       COTAIL(J4)=CJ4-TERM(J4)
4560       IF(NLEFT),550,4000
4570       GO TO 550
4580C-------------------------------------------------
4590C---- TOURNAMENT FOR > 40 BASES
4600 5000 IF(NBASES-128)5210,5215,
4610C---- TOURNAMENT HAS 8 ROUNDS.
4620       ASSIGN 5480 TO LINETM
4630       IF(NBASES-256),5380,
4640       DO 5205 J=KBASES+1,257
4650 5205 COTAIL(J)=0.
4660       GO TO 5380
4670 5210 IF(NBASES-64)5220,5225,
4680C---- TOURNAMENT HAS 7 ROUNDS.
4690       DO 5212 J=KBASES+1,129
```

```
4700 5212 COTAIL(J)=0.
4710 5215 DO 5217 J=1,128
4720 5217 JWIN7(J)=J+1
4730      ASSIGN 5470 TO LINETM
4740      GO TO 5370
4750C---- TOURNAMENT HAS 6 ROUNDS.
4760 5220 DO 5222 J=KBASES+1,65
4770 5222 COTAIL(J)=0.
4780 5225 DO 5227 J=1,64
4790 5227 JWIN6(J)=J+1
4800      ASSIGN 5460 TO LINETM
4810      GO TO 5360
4820C---- SEMI-SEMI-SEMI-SEMI-SEMI-SEMI-SEMI-FINALS. 256 TEAMS
4830C--    PLAY 128 GAMES.
4840 5380 J8=1
4850      DO 5389 J7=1,128
4860      J8=J8+2
4870      IF(COTAIL(J8)-COTAIL(J8-1))5383,,
4880C---- J8 WON. AN UPSET, J8-1 WAS A HIGHER SEED.
4890      JWIN7(J7)=J8
4900      JLOSE7(J7)=J8-1
4910      GO TO 5386
4920C---- J8-1 WON.
4930 5383 JWIN7(J7)=J8-1
4940      JLOSE7(J7)=J8
4950 5386 NEXT8(J8-1)=J7
4960      NEXT8(J8-2)=J7
4970 5389 CONTINUE
4980C---- SEMI-SEMI-SEMI-SEMI-SEMI-SEMI-FINALS. 128 TEAMS PLAY 64 GAMES.
4990 5370 J7=0
5000      DO 5379 J6=1,64
5010      J7=J7+2
5020      IF(COTAIL(JWIN7(J7))-COTAIL(JWIN7(J7-1)))5373,,
5030C---- JWIN7(J7) WON. AN UPSET, JWIN7(J7-1) WAS A HIGHER SEED.
5040      JWIN6(J6)=JWIN7(J7)
5050      JLOSE6(J6)=JWIN7(J7-1)
5060      GO TO 5376
5070C---- JWIN7(J7-1) WON.
5080 5373 JWIN6(J6)=JWIN7(J7-1)
5090      JLOSE6(J6)=JWIN7(J7)
5100 5376 NEXT7(J7-1)=J6
5110      NEXT7(J7)=J6
5120 5379 CONTINUE
5130C---- SEMI-SEMI-SEMI-SEMI-SEMI-FINALS.  64 TEAMS PLAY 32 GAMES.
5140 5360 J6=0
5150      DO 5369 J5=1,32
5160        J6=J6+2
5170        IF(COTAIL(JWIN6(J6))-COTAIL(JWIN6(J6-1)))5363,,
5180C   --- JWIN6(J6) WON. AN UPSET, JWIN6(J6-1) WAS A HIGHER SEED.
5190        JWIN5(J5)=JWIN6(J6)
5200        JLOSE5(J5)=JWIN6(J6-1)
5210        GO TO 5366
5220C   --- JWIN6(J6-1) WON.
```

```
5230 5363   JWIN5(J5)=JWIN6(J6-1)
5240        JLOSE5(J5)=JWIN6(J6)
5250 5366   NEXT6(J6-1)=J5
5260        NEXT6(J6)=J5
5270 5369 CONTINUE
5280C---- SEMI-SEMI-SEMI-SEMI-FINALS.  32 TEAMS PLAY 16 GAMES.
5290 5350 J5=0
5300      DO 5359 J4=1,16
5310        J5=J5+2
5320        IF(COTAIL(JWIN5(J5))-COTAIL(JWIN5(J5-1)))5353,,
5330C   --- JWIN5(J5) WON.  AN UPSET, JWIN5(J5-1) WAS SEEDED HIGHER.
5340        JWIN4(J4)=JWIN5(J5)
5350        JLOSE4(J4)=JWIN5(J5-1)
5360        GO TO 5356
5370C   --- JWIN5(J5-1) WON.
5380 5353   JWIN4(J4)=JWIN5(J5-1)
5390        JLOSE4(J4)=JWIN5(J5)
5400 5356   NEXT5(J5-1)=J4
5410        NEXT5(J5)=J4
5420 5359 CONTINUE
5430C---- SEMI-SEMI-SEMI-FINALS.  16 TEAMS PLAY 8 GAMES.
5440 5340 J4=0
5450      DO 5349 J3=1,8
5460        J4=J4+2
5470        IF(COTAIL(JWIN4(J4))-COTAIL(JWIN4(J4-1)))5343,,
5480C   --- JWIN4(J4) WON. AN UPSET.
5490        JWIN3(J3)=JWIN4(J4)
5500        JLOSE3(J3)=JWIN4(J4-1)
5510        GO TO 5346
5520C   --- JWIN4(J4-1) WON.
5530 5343   JWIN3(J3)=JWIN4(J4-1)
5540        JLOSE3(J3)=JWIN4(J4)
5550 5346   NEXT4(J4-1)=J3
5560        NEXT4(J4)=J3
5570 5349 CONTINUE
5580C---- QUARTER FINALS.  8 TEAMS PLAY 4 GAMES.
5590 5330 J3=0
5600      DO 5339 J2=1,4
5610        J3=J3+2
5620        IF(COTAIL(JWIN3(J3))-COTAIL(JWIN3(J3-1)))5333,,
5630C   --- JWIN3(J3) WON.  AN UPSET.
5640        JWIN2(J2)=JWIN3(J3)
5650        JLOSE2(J2)=JWIN3(J3-1)
5660        GO TO 5336
5670C   --- JWIN3(J3-1) WON.
5680 5333   JWIN2(J2)=JWIN3(J3-1)
5690        JLOSE2(J2)=JWIN3(J3)
5700 5336   NEXT3(J3-1)=J2
5710        NEXT3(J3)=J2
5720 5339 CONTINUE
5730C---- SEMI-FINALS.
5740 5320 J2=0
5750      DO 5329 J1=1,2
```

```
5760        J2=J2+2
5770        IF(COTAIL(JWIN2(J2))-COTAIL(JWIN2(J2-1)))5323,,
5780C   --- JWIN2(J2) WON. AN UPSET.
5790        JWIN1(J1)=JWIN2(J2)
5800        JLOSE1(J1)=JWIN2(J2-1)
5810        GO TO 5326
5820C   --- JWIN2(J2-1) WON.
5830 5323   JWIN1(J1)=JWIN2(J2-1)
5840        JLOSE1(J1)=JWIN2(J2)
5850 5326   NEXT2(J2-1)=J1
5860        NEXT2(J2)=J1
5870 5329 CONTINUE
5880C---- FINALS.
5890 5310 IF(COTAIL(JWIN1(2))-COTAIL(JWIN1(1)))5313,,
5900      JWIN=JWIN1(2)
5910      JLOSE0=JWIN1(1)
5920      GO TO 5500
5930 5313 JWIN=JWIN1(1)
5940      JLOSE0=JWIN1(2)
5950      GO TO 5500
5960C-------------------------------------------
5970C---- JWIN HAS BEEN REPLACED BY HIS SECOND.  REPLAY ALL GAMES THAT
5980C---- JWIN WAS IN TO DETERMINE NEW WINNER.
5990 5480 NOW=NEXT8(NOW)
6000      JLOSE=JLOSE7(NOW)
6010      IF(COTAIL(JLOSE)-COTAIL(JWIN))5470,,
6020      JLOSE7(NOW)=JWIN
6030      JWIN=JLOSE
6040 5470 NOW=NEXT7(NOW)
6050      JLOSE=JLOSE6(NOW)
6060      IF(COTAIL(JLOSE)-COTAIL(JWIN))5460,,
6070      JLOSE6(NOW)=JWIN
6080      JWIN=JLOSE
6090 5460 NOW=NEXT6(NOW)
6100      JLOSE=JLOSE5(NOW)
6110      IF(COTAIL(JLOSE)-COTAIL(JWIN))5450,,
6120      JLOSE5(NOW)=JWIN
6130      JWIN=JLOSE
6140 5450 NOW=NEXT5(NOW)
6150      JLOSE=JLOSE4(NOW)
6160      IF(COTAIL(JLOSE)-COTAIL(JWIN))5440,,
6170      JLOSE4(NOW)=JWIN
6180      JWIN=JLOSE
6190 5440 NOW=NEXT4(NOW)
6200      JLOSE=JLOSE3(NOW)
6210      IF(COTAIL(JLOSE)-COTAIL(JWIN))5430,,
6220      JLOSE3(NOW)=JWIN
6230      JWIN=JLOSE
6240 5430 NOW=NEXT3(NOW)
6250      JLOSE=JLOSE2(NOW)
6260      IF(COTAIL(JLOSE)-COTAIL(JWIN))5420,,
6270      JLOSE2(NOW)=JWIN
6280      JWIN=JLOSE
```

```
6290 5420 NOW=NEXT2(NOW)
6300      JLOSE=JLOSE1(NOW)
6310      IF(COTAIL(JLOSE)-COTAIL(JWIN))5410,,
6320      JLOSE1(NOW)=JWIN
6330      JWIN=JLOSE
6340 5410 IF(COTAIL(JLOSE0)-COTAIL(JWIN))5500,,
6350      JLOSE=JLOSE0
6360      JLOSE0=JWIN
6370      JWIN=JLOSE
6380C-------------------------------------
6390C---- BUY JWIN.
6400 5500 IF(COTAIL(JWIN).LE.0.)GO TO 999
6410C---- JWIN IS THE BASE WHOSE NEXT SPARE IS THE BEST NEXT CHOICE
6420C---- BUY THAT SPARE AND COMPUTE THE EBO REDUCTION FOR THE NEXT SPARE
6430C---- FIRST CREDIT THE EBO REDUCTION AND INCREMENT ASSET LEVEL
6440C---- NEXT COMPUTE P(X=NLRUS) FOR NEW ASSET LEVEL & SUBTRACT THAT FROM
6450C---- COTAIL SO THAT COTAIL BECOMES P(BO>0) FOR THE NEW ASSET LEVEL
6460      EBO(JWIN)=EBO(JWIN)-COTAIL(JWIN)
6470      NLRUS(JWIN)=NLRUS(JWIN)+1
6480      NLEFT=NLEFT-1
6490      TERM(JWIN)=TERM(JWIN)*PIPE(JWIN)/NLRUS(JWIN)
6500      IF(TERM(JWIN)),999,
6510      COTAIL(JWIN)=COTAIL(JWIN)-TERM(JWIN)
6520      NOW=JWIN-1
6530C---- GO TO TOURNAMENT REPLAY.  BEGIN AT APPROPRIATE ROUND (LINETM).
6540      IF(NLEFT),,LINETM
6550C-------------------------------------------
6560C-------------------------------------------
6570C---- TALLY UP TOTAL EBO AND GO TO PICK ND (LINEPK)
6580  550 SYSEBO=(1.-OIMRTO)*DEPEBO
6590      DO 600 J=2,KBASES
6600  600 SYSEBO=SYSEBO+EBO(J)
6610      IF(-SYSEBO)LINEPK,,
6620      PRINT,"  SYSEBO.LE.0. FOR ND,NSN=",ND," ",NSNOUT
6630  650 DO 700 I=1,KBASES
6640      NLRMIN(I)=NLRUS(I)
6650      BEBOMIN(I)=0.
6660  700 CONTINUE
6670      PRINT," RETURNING EARLY"
6680      RETURN
6690  800 SYSEBO=1.E6
6700      GO TO LINEPK
6710  999 SYSEBO=(1.-OIMRTO)*DEPEBO
6715      IF(NLEFT),LINEPK,
6720C---- ALLOCATE NLEFT REMAINING
6730      J=1
6740 9000 J=J+1
6750      IF(J.GT.KBASES)J=2
6760      NLRUS(J)=NLRUS(J)+1
6770      NLEFT=NLEFT-1
6780      IF(-NLEFT)9000,,
6800      GO TO LINEPK
6810 9991 PRINT," ONLY ALLOCATED ",S-NLRUSTOP+NLRUS(2)," OUT OF ",S,
```

```
6820      &" SPARES."
6830       NLRUS(2)=NLRUSTOP
6840       GO TO 550
6850       END
```

```
SYSTEM ?LIST LA61A/STARS/SOURCE/DM/FDEB001

100C  **  ** FDEBO 4/13/79 FOR DISTRIBUTION MOD-METRIC
110       SUBROUTINE FDEBO
120       COMMON/GENERAL/DEBUG,NSNOUT,S
130       CHARACTER NSNOUT*18
140       INTEGER S
150       LOGICAL DEBUG
160C------
170       COMMON/DEBOBLK/CUTOFF,DEBO(2000),DPIPE,DEBOCNT,INDXDBO,LUMPD
180      &,MXNUMDEP,MXTOTDEP,NTOTDEP,OIMRTO
190       INTEGER DEBOCNT
200C--------------
210       COMMON/EBOBLK/BRCRQ,BSHARE(257),COTAIL(257),EBO(257),KBASES
220      &,NBASES,NLRUS(257),OSTRQ,PIPE(257),SRUEBO(257),SYSEBO,TERM(257)
230      &,PIPMIN(257)
240C-------
250C-------------------------
260       DEBO(1)=DPIPE
270       PIPE(1)=DPIPE
280       IF(DPIPE.LT.13.)GO TO 20
290C-------------------------------------------------------------------
300C---- BIG PIPELINE LOGIC_TRMLOG=LOG P(N),WHERE P(N) IS
310C----  PROBABILITY DISTRIBUTION OF POISSON W/ MEAN = DPIPE.
320C---- WORK WITH LOGS UNTIL TRMS ARE LARGER
330       TRMLOG=-DPIPE
340       LUMPD=DPIPE-3.*SQRT(DPIPE)
350       IF(DEBUG)PRINT,"  LUMPD=",LUMPD
360       CTL=1.
370       I=0
380       IF(TRMLOG.GE.-86.)GO TO 12
390    10 I=I+1
400       TRMLOG=TRMLOG+ALOG(DPIPE/I)
410       IF(TRMLOG.LT.-86.)GO TO 10
420    12 TRM=EXP(TRMLOG)
430       DO 14 I=I+1,LUMPD
440       TRM=TRM*DPIPE/I
450       CTL=CTL-TRM
460    14 CONTINUE
470       DEBO(2)=DPIPE-LUMPD
480C---- TRM=P(X=LUMPD)  CTL=P(X>LUMPD)
490C-------------------------------------------------------------------
500C---- WE HAVE A GLUMP OF SPARES(#=LUMPD) PUT INTO
510C---- SECOND POSITION OF DEBO ARRAY,EACH GIVING AN
520C---- EBO REDUCTION OF1.TRM=P(LUMPD).CTL=1-TAIL
530C---- (=SIGMA P(X),X=LUMPD TO INFINITY) IS THE EBO
540C---- REDUCTION FOR THE LUMPD-PLUS-FIRST SPARE.WE NOW
550C---- CONTINUE WITH THE USUAL EBO LOGIC.
560       GO TO 30
570C-------------------------------------------------------------
580C---- REGULAR SIZE PIPELINE LOGIC
590    20 TRM=EXP(-DPIPE)
```

```
      CTL=1.-TRM
C---- TRM=P(X=0)  CTL=P(X>0)
      DEBO(2)=DPIPE-CTL
      LUMPD=1
      TRM=TRM*DPIPE
      CTL=CTL-TRM
C---- TRM=P(X=1)  CTL=P(X>1)
   30 L=1
   40 L=L+1
      DEBO(L+1)=DEBO(L)-CTL
      IF(DEBO(L+1).LE.0.)GO TO 50
      TRM=TRM*DPIPE/(L+LUMPD-1)
      CTL=CTL-TRM
C---- TRM=P(X=L+LUMPD-1)   CTL=P(X>L+LUMPD-1)
      IF(CTL.GT.CUTOFF.AND.(L+1).LT.INDXDBO.AND.L+LUMPD.LE.S)GO TO 40
      L=L+1
C-------------------------------------------------------------------
C---- COMPUTATION COMPLETED.SET COUNTS OF DEBO ARRAY SIZES
C---- AND TOTAL UNITS CONSIDERED AT DEPOT
   50 NUMDEP=L
      NTOTDEP=L+LUMPD-2
      IF(NUMDEP.GT.MXNUMDEP)MXNUMDEP=NUMDEP
      IF(NTOTDEP.GT.MXTOTDEP)MXTOTDEP=NTOTDEP
      DEBOCNT=NUMDEP
      RETURN
      END
```

```
SYSTEM ?LIST LA61A/STARS/SOURCE/DM/SHIDMM01

990C ** ** SHIDMM REVISED 2/2/81 W/ SRUEBO  BY FMS
1000      COMMON/GENERAL/DEBUG,NSNOUT,S
1010      CHARACTER NSNOUT*18/'00'/
1020      INTEGER S
1030      LOGICAL DEBUG
1040C********
1050      COMMON/DEBOBLK/CUTOFF,DEBO(2000),DPIPE,DEBOCNT,INDXDBO,LUMPD
1060     &,MXNUMDEP,MXTOTDEP,NTOTDEP,OIMRTO
1070      INTEGER DEBOCNT
1080C********
1090      COMMON/EBOBLK/BRCRQ,BSHARE(257),COTAIL(257),EBO(257),KBASES
1100     &,NBASES,NLRUS(257),OSTRQ,PIPE(257),SRUEBO(257),SYSEBO,TERM(257)
1110     &,PIPMIN(257)
1120C********
1130      COMMON/PICBLK/BEBOMIN(257),EBOMIN,NLRMIN(257)
1140C********
1150C
1160      INTEGER BASET(699),NAIRT(699),IFHT(699),LOCMDS(140),ITAB(45)
1170      INTEGER QPAT(140),IXMDS(140),IXBASE(140)
1180      INTEGER T,TARG,TARGET,S,QPA,VSLCNT
1190      INTEGER NAIRAFT(699),JFORBMDS(1000),MFORBMDS(1000)
1200      REAL LRUSHARE,FAPT(140),FOURWRDS(4),BMDSHARE(1000),TWOWRDS(2)
1210      CHARACTER SMC*4,ALC*2,MDI*6,IEC*2
1220      CHARACTER NSNSRU*18/"00"/,N15APP*15,SONSN*18
1230      CHARACTER*18 NSNVSL,APPNSN/'00'/,NSNSHOP/'00'/
1240      CHARACTER MD*4,MDS*15,MACMD*4(45),MDST*15(140),MDSA*15
1250      LOGICAL MATCH
1260C
1270C
1280C*************************************************************
1290C**** READ IN MD/MDS FILE FILLING MACMD,MDST,BASET,NAIRT,IFHT,ITAB,
1300C**** & LOCMDS ARRAYS.
1310C**** ITAB ARRAY CONTAINS COUNT OF MDS'S IN EACH MD
1320C**** LOCMDS ARRAY CONTAINS INDEX OF FIRST ENTRY FOR EACH MDS IN
1330C**** BASET,ETC. ARRAYS.
1340C**** BASET ARRAY CONTAINS THE BASES THAT USE THE MDS'S
1350C**** NAIRT ARRAY CONTAINS THE # A/C AT THESE BASES.
1360C**** IFHT ARRAY CONTAINS THE FLYING HOURS (100S/QUARTER) FOR EACH MDS
1370C**** AT THE BASES.
1380C**** FOR EXAMPLE BASET(LOCMDS(7)) THRU BASET(LOCMDS(8)-1) CONTAIN
1390C**** THE BASES THAT USE MDST(7), WHILE THE CORRESPONDING
1400C**** ELEMENTS OF NAIRT & IFHT CONTAIN THE # A/C & FLYING HOURS FOR
1410C**** THAT MDS AT THOSE BASES RESPECTIVELY.
1420      C1=0.5*ALOG(6.283185307)
1430      C2=1./12.
1440      XLAMB=0.000001
1450      INDXDBO=2000
1460      READ(4)IDECIDE
1470      PRINT,"  IDECIDE=",IDECIDE
1480      WRITE(1)IDECIDE
```

```
1490C**** READ IN PD FILE
1500      I=0
1510   10 I=I+1
1520      READ(5,1,END=40)MD,MDS,BASET(I),NAIRT(I),IFHT(I),NAIRAFT(I)
1525    1 FORMAT(V)
1530      PRINT," FILE-5 ",MD," ",MDS,BASET(I),NAIRT(I),IFHT(I),NAIRAFT(I)
1540      IF(I-1),30,
1550      IF(MDS.EQ.MDST(NUMMDS))GO TO 10
1560C**** NEW MDS LOGIC
1570      NUMMDS=NUMMDS+1
1580      MDST(NUMMDS)=MDS
1590      LOCMDS(NUMMDS)=I
1600      IF(MD.NE.MACMD(NUMMD))GO TO 20
1610      ITAB(NUMMD)=ITAB(NUMMD)+1
1620      GO TO 10
1630C**** NEW MD LOGIC
1640   20 NUMMD=NUMMD+1
1650      MACMD(NUMMD)=MD
1660      ITAB(NUMMD)=1
1670      GO TO 10
1680C**** FIRST MD & MDS LOGIC
1690   30 MDST(1)=MDS
1700      NUMMDS=1
1710      LOCMDS(1)=1
1720      NUMMD=1
1730      MACMD(1)=MD
1740      ITAB(1)=1
1750      GO TO 10
1760C**** FINISHED
1770   40 LOCMDS(NUMMDS+1)=I
1780      ILAST=I-1
1790      PRINT," MACMD,MDST,LOCMDS,BASET,NAIRT,& IFHT ARRAYS"
1800      PRINT 50,(MACMD(I),I=1,NUMMD)
1810   50 FORMAT(12(1X,A4))
1820      PRINT 60,(MDST(I),I=1,NUMMDS)
1830   60 FORMAT(6A18)
1840      PRINT 70,(LOCMDS(I),I=1,NUMMDS)
1850   70 FORMAT(5X,6(I8,10X))
1860      PRINT 80,(BASET(I),I=1,ILAST)
1870   80 FORMAT(20I5)
1880      PRINT 80,(NAIRT(I),I=1,ILAST)
1890      PRINT 80,(IFHT(I),I=1,ILAST)
1900      WRITE(1)NUMMDS,ILAST
1910      WRITE(1)(MDST(I),I=1,NUMMDS)
1920      WRITE(1)(LOCMDS(I),I=1,NUMMDS+1)
1930      WRITE(1)(BASET(I),I=1,ILAST)
1940      WRITE(1)(IFHT(I),I=1,ILAST)
1950C
1960C
1970C
1980C*****************************************************************
1990C*****************************************************************
2000C**** BEGIN NEW COMPONENT --- INITIALIZE VARIABLES
```

```
2010  200 DO 210 I=1,NUMMDS
2020      QPAT(I)=0
2030  210 FAPT(I)=0.
2040      MATCH=.FALSE.
2050      IHIT=0
2060C**** READ VSL TAPE
2070      READ(11,END=999)KEY,KTYPE,IBP,SMC,ALC,NSNVSL,MDI,COST,
2080&     RCOST,MSERV,MTOC,IDUIN,IONOR,TRBY,JBOFM,JDOFM,OVHTB,
2090&     OSLB,IADBY,XNJBY,MAPBY,BREPB,DREPB,NEGLV,I5,IRZ,OSTRQ,
2100&     DRCRQ,BRCRQ,AJRCT,DRCRR,ABCON,ADCON,ADCOR,USERS,DRTIME,
2110&     IEC,PLTT,NPSL,BNRTS,MWRMR,MWRMA,IPSC,MAXREP,BRT,OST,CHK,TASSE
2120      DEBUG=(NSNVSL.GT."5826003000".AND.NSNVSL.LT."5826005000")
2130     &.OR.NSNVSL.GT."99999"
2140      TARGET=TASSE+.5
2150      IPSEL=IPSC/100
2160      VSLCNT=VSLCNT+1
2170      IF(MOD(VSLCNT,1000).EQ.0)WRITE(7,220)VSLCNT
2180  220 FORMAT("  NO. OF VSL NSNS PROCESSED=",I6)
2190      GO TO 250
2200C**** READ APPLICATION TAPE
2210  230 READ(12,END=294)APPNSN,NMDSAS,NNHAS,LEVEL
2220      IF(DEBUG)PRINT,APPNSN,NMDSAS,NNHAS,LEVEL
2230      APPCNT=APPCNT+1
2240C**** TEST FOR NSN MATCH
2250  250 IF(NSNVSL.LT.APPNSN)GO TO 295
2260      IF(NSNVSL.GT.APPNSN)GO TO 290
2270C**** NSN'S MATCH.  READ MDS DATA.
2280      IF(NMDSAS),292,
2290  255 READ(12)MDSA,QPA,FAP
2300      IF(DEBUG)PRINT,"   MDSA=",MDSA,"  QPA=",QPA,"  FAP=",FAP
2310      IF(QPA.LE.0.OR.FAP.LE.0.)GO TO 270
2320      DO 260 I=1,NUMMDS
2330  260 IF(MDSA.EQ.MDST(I))GO TO 265
2340      NBADAPPS=NBADAPPS+1
2350      GO TO 270
2360  265 QPAT(I)=QPA
2370      FAPT(I)=FAP
2380      IHIT=IHIT+1
2390      IXMDS(IHIT)=I
2400      NSNOUT=APPNSN
2410      MATCH=.TRUE.
2420  270 NMDSAS=NMDSAS-1
2430      IF(-NMDSAS)255,,
2440C**** READ NHA DATA (THERE SHOULDN'T BE ANY)
2450      IF(NNHAS),230,
2460      PRINT," <*><*> NNHAS=",NNHAS," FOR ",APPNSN
2470      DO 272 I=1,NNHAS
2480         READ(12)
2490  272 CONTINUE
2500      GO TO 230
2510C
2520C****  TEST FOR DUMMY
2530  290 N15APP=APPNSN
```

```
2540C(*)(*) NO DUMMIES      IF(N15APP.EQ.NSNVSL)GO TO 299
2550C
2560C**** NOT A DUMMY FINISH READING APP THEN GO TO 230
2570      IF(NMDSAS),292,
2580  291 READ(12)
2590      NMDSAS=NMDSAS-1
2600      IF(-NMDSAS)291,,
2610  292 IF(NNHAS),230,
2620      DO 293 I=1,NNHAS
2630         READ(12)
2640  293 CONTINUE
2650      GO TO 230
2660C
2670C**** END LOGIC
2680  294 APPNSN="ZZZZZ"
2690      NNHAS=0
2700      NMDSAS=0
2710      PRINT," EOF APP. FILE"
2720C
2730C**** IF NO VALID APPLICATIONS WERE FOUND SKIP COMPONENT.
2740  295 IF(.NOT.MATCH)GO TO 200
2750      IF(DEBUG)PRINT,"  IXMDS ",(IXMDS(I),I=1,IHIT)
2760      GO TO 430
2770C
2780C
2790C
2800C*****************************************************************
2810C*****************************************************************
2820C**** REGULAR COMPONENT.  FULL PROCESSING.  BEGIN BY READING SHOP DATA.
2830  400 READ(4,END=432)NSNSHOP,FOURWRDS,TARG,TWOWRDS,TSRUEBO
2840      IF(DEBUG)PRINT,"  NSNSHOP,TARG=",NSNSHOP,TARG
2850  430 IF(NSNSHOP.LT.NSNOUT)GO TO 400
2860      IF(NSNSHOP.GT.NSNOUT)GO TO 434
2870      IF(TARG.LT.TARGET)PRINT," TARG TOO SMALL ",NSNSHOP
2880      TARGET=TARG
2890      GO TO 400
2900C
2910  432 NSNSHOP='99999'
2920      PRINT," EOF SHOP FILE"
2930  434 NPROCESS=NPROCESS+1
2940      S=TARGET
2950C
2960C*************************************************
2970C**** COMPUTE BASE PRORATING FACTORS & NBASES
2980  600 DO 615 J=1,257
2990         BSHARE(J)=0.
3000  615 CONTINUE
3010C**** IF IPSEL.GE.2 GO TO RIP PROCESSING
3020      IF(IPSEL-2)650,,
3030C
3040C
3050C**** FILL BSHARE & BMDSHARE BY TI (COMPUTE RIP FOR COMPHDR)
3060      TI=0.
```

```
3070      RIP=0.
3080      NBMDSS=0
3090C
3100      DO 630 I=1,IHIT
3110         IMDS=IXMDS(I)
3120         FACT=GPAT(IMDS)*FAPT(IMDS)
3130         IF(FACT),630,
3140C
3150         DO 620 K=LOCMDS(IMDS),LOCMDS(IMDS+1)-1
3160            J=BASET(K)
3170            TIT=FACT*NAIRT(K)
3180            TI=TI+TIT
3190            RIP=RIP+FACT*IFHT(K)
3200            BSHARE(J)=BSHARE(J)+TIT
3210C        ---- AT THIS PIONT BSHARE(J) IS ACCUMULATING THE TI AT BASE J-1
3220            IF(NAIRAFT(K).LE.0)GO TO 620
3230               NBMDSS=NBMDSS+1
3240               JFORBMDS(NBMDSS)=J
3250               MFOREMDS(NBMDSS)=IMDS
3260               BMDSHARE(NBMDSS)=FACT*NAIRAFT(K)
3270  620    CONTINUE
3280C
3290  630 CONTINUE
3300C
3310      IF(NBMDSS.GT.MAXBMDSS)MAXBMDSS=NBMDSS
3320C**** NOW COMPUTE NBASES, DIVIDE BSHARE BY TI TO GIVE PRORATING
3330C**** FACTORS.  ALSO PACK BSHARE ARRAY SO THAT BSHARE(J) IS THE
3340C**** PRORATING FACTOR FOR THE (IXBASE(J)-1)'TH BASE.
3350      KBASES=1
3360C
3370      DO 640 J=2,257
3380         IF(BSHARE(J)),640,
3390         KBASES=KBASES+1
3400         BSHARE(KBASES)=BSHARE(J)/TI
3410         IXBASE(KBASES)=J
3420  640 CONTINUE
3430C
3440      DO 645 IBMDS=1,NBMDSS
3450         BMDSHARE(IBMDS)=BMDSHARE(IBMDS)/TI
3460  645 CONTINUE
3470      GO TO 675
3480C
3490C
3500C
3510C**** FILL BSHARE & BMDSHARE BY RIP
3520  650 RIP=0.
3530      NBMDSS=0
3540C
3550      DO 670 I=1,IHIT
3560         IMDS=IXMDS(I)
3570         FACT=GPAT(IMDS)*FAPT(IMDS)
3580         IF(FACT),670,
3590C
```

```
3600          DO 660 K=LOCMDS(IMDS),LOCMDS(IMDS+1)-1
3610             J=BASET(K)
3620             RIPT=FACT*IFHT(K)
3630             RIP=RIP+RIPT
3640             BSHARE(J)=BSHARE(J)+RIPT
3650C        ---- AT THIS PIONT BSHARE(J) IS ACCUMULATING THE RIP AT BASE J-1
3660             IF(NAIRAFT(K).EQ.0)GO TO 660
3670                NBMDSS=NBMDSS+1
3680                JFORBMDS(NBMDSS)=J
3690                MFORBMDS(NBMDSS)=IMDS
3700                BMDSHARE(NBMDSS)=RIPT*NAIRAFT(K)/NAIRT(K)
3710  660    CONTINUE
3720C
3730  670 CONTINUE
3740C
3750      IF(NBMDSS.GT.MAXBMDSS)MAXBMDSS=NBMDSS
3760C**** NOW COMPUTE KBASES, DIVIDE BSHARE BY RIP TO GIVE PRORATING
3770C**** FACTORS.  ALSO PACK BSHARE ARRAY SO THAT BSHARE(J) IS THE
3780C**** PRORATING FACTOR FOR THE (IXBASE(J)-1)'TH BASE.
3790      KBASES=1
3800C
3810      DO 672 J=2,257
3820         IF(BSHARE(J)),672,
3830         KBASES=KBASES+1
3840         BSHARE(KBASES)=BSHARE(J)/RIP
3850         IXBASE(KBASES)=J
3860  672 CONTINUE
3870C
3880      DO 673 IBMDS=1,NBMDSS
3890         BMDSHARE(IBMDS)=BMDSHARE(IBMDS)/RIP
3900  673 CONTINUE
3910C
3920C*****************************************************************
3930C**** NOW SORT BSHARE & IXBASE BY BSHARE
3940C**** THIS IS A BUBBLE SORT FOR BSHARE(2) THRU BSHARE(KBASES).
3950C**** IT IS SPEED OPTIMIZED.  THE OUTER LOOP INDEX IS LIM.
3960C**** THE LAST COMPARISON IN THE INNER LOOP IS BETWEEN
3970C**** BSHARE(LIM-1) & BSHARE(LIM)
3980  675 IF(DEBUG)PRINT 677,(BSHARE(I),I=1,KBASES)
3990  677 FORMAT(1X,10F11.8)
4000      IF(KBASES-3)683,,
4010      LIM=KBASES
4020  679 J=2
4030      K=3
4040  680 IF(BSHARE(K)-BSHARE(J))682,,
4050C**** SWITCH K'TH & J'TH
4060      HOLD=BSHARE(J)
4070      BSHARE(J)=BSHARE(K)
4080      BSHARE(K)=HOLD
4090      IHOLD=IXBASE(J)
4100      IXBASE(J)=IXBASE(K)
4110      IXBASE(K)=IHOLD
4120  682 J=J+1
```

```
4130      K=K+1
4140      IF(J-LIM)680,,
4150      LIM=LIM-1
4160      IF(2-LIM)679,,
4170  683 NBASES=KBASES-1
4180      IF(DEBUG)PRINT 677,(BSHARE(I),I=1,KBASES)
4190C
4200C*****************************************************************
4210C**** READ SRU FILE & COMPUTE SRUEBO.
4220C(*) PRORATE TSRUEBO TO GIVE SRUEBO'S
4230      DO 700 J=2,KBASES
4240         SRUEBO(J)=TSRUEBO*BSHARE(J)
4250  700 CONTINUE
4260C
4270C
4280C*****************************************************************
4290C**** COMPUTE DAILY DEMAND RATE(DDR),OIMRTO,ETC.
4300  715 BDDR=0.
4310      DDDR=0.
4320      IF(BRT.GE.0.0001)BDDR=BRCRQ/BRT
4330      IF(OST.GE.0.0001)DDDR=OSTRQ/OST
4340      IF(-DDDR)716,,
4350      IF(PLTT.GE.0.0001)DDDR=(ABCON+ADCON)*0.03333/PLTT
4360      IF(DRTIME.GE.0.0001)DDDR=DDDR+DRCRQ/DRTIME
4370  716 DDR=BDDR+DDDR
4380      DPIPE=DRCRQ+DRCRR+AJRCT+ADCOR+ADCON+ABCON
4390      BANDO=BRCRQ+OSTRQ
4400      TPIPE=BANDO+DPIPE
4410      IF(DEBUG)PRINT,"  BANDO,DPIPE=",BANDO," ",DPIPE
4420      OIMRTO=1.
4430      IF(DPIPE.LE.0.)GO TO 57
4440      IF(PLTT.LE.0.)GO TO 53
4450      IF(DRTIME.LE.0.)GO TO 55
4460      OIMNUM=(ABCON+ADCON)/(30.*PLTT)+DRCRQ/DRTIME
4470      OIMDENOM=(ABCON+ADCON+AJRCT+ADCOR)/(30.*PLTT)+(DRCRQ+DRCRR)/DRTIME
4480      OIMRTO=OIMNUM/OIMDENOM
4490      GO TO 57
4500   53 OIMRTO=DRCRQ/(DRCRQ+DRCRR)
4510      GO TO 57
4520   55 OIMRTO=(ABCON+ADCON)/(ABCON+ADCON+AJRCT+ADCOR)
4530C**** COMPUTE COMPHDR BASED ON FLYING HOURS. COMPHDR=DEMANDS/FLHR
4540   57 COMPHDR=DDR/(1.095*RIP)
4550C
4560C*****************************************************************
4570C**** BEGIN ACTUAL ALLOCATION OF ASSETS.
4580C**** FIRST HANDLE THE SIMPLE CASES.
4590C**** IF ASSETS.GE.0 GO TO CHECK FOR EXCESSIVE ASSETS. ELSE SKIP ALLOC.
4600      IF(-TARGET)719,,
4610      OIMPIPE=DRCRQ+ABCON+ADCON+BANDO
4620      PIPMIN(1)=DPIPE
4630      BEBOMIN(1)=DPIPE
4640      NLRMIN(1)=0
4650      IF(NBASES),960,
```

```
      DO 717 J=2,KBASES
         PIPMIN(J)=OIMPIPE*BSHARE(J)+SRUEBO(J)
         BEBOMIN(J)=PIPMIN(J)
         NLRMIN(J)=0
  717 CONTINUE
      GO TO 960
C**** CHECK FOR ASSETS GREAT ENOUGH TO MAKE ALLOCATION SIMPLE.
  719 T=DPIPE+5.*SQRT(DPIPE)+.5
      DO 720 J=2,KBASES
         PJ=BSHARE(J)*BANDO+SRUEBO(J)
         T=T+PJ+5.*SQRT(PJ)+.5
  720 CONTINUE
      IF(DEBUG)PRINT," T,TARGET= ",T," ",TARGET
      IF(TARGET-T)800,,
C*****************************************************
C**** SIMPLE ALLOCATION.  DUMP ASSETS IN GROSS QUANTITIES.
      NSIMPLE=NSIMPLE+1
      IF(BANDO-1E-10)770,,
      IF(ADCOR+AURCT+DRCRR.LE.1E-10.AND.KBASES.EQ.2)GO TO 780
C**** REGULAR SIMPLE CASE. DISTRIBUTE ASSETS USING ESTIMATES.
      NLRMIN(1)=DPIPE+5.*SQRT(DPIPE)+.5
      NLEFT=TARGET-NLRMIN(1)
      BEBOMIN(1)=0.
      DO 730 J=2,KBASES
         BEBOMIN(J)=0.
         PJ=BSHARE(J)*BANDO+SRUEBO(J)
         PIPMIN(J)=PJ
         NLRMIN(J)=PJ+5.*SQRT(PJ)+.5
         NLEFT=NLEFT-NLRMIN(J)
  730 CONTINUE
C**** ALLOCATE REMAINING COMPONENTS.
      SYSEBO=0.
      IF(NLEFT),960,
      NEACH=NLEFT/NBASES
      IF(NEACH),750,
      DO 740 J=2,KBASES
         NLRMIN(J)=NLRMIN(J)+NEACH
  740 CONTINUE
      NLEFT=NLEFT-NEACH*NBASES
      IF(NLEFT),960,
  750 DO 760 J=2,NLEFT+1
         NLRMIN(J)=NLRMIN(J)+1
  760 CONTINUE
      GO TO 960
C**** SIMPLE DEPOT ONLY CASE. DUMP ASSETS TO DEPOT.
  770 NSIMPDEP=NSIMPDEP+1
      IF(DEBUG)PRINT," SIMPLE DEPOT ONLY CASE"
      NLRMIN(1)=TARGET
      KBASES=1
      NBASES=0
      BEBOMIN(1)=0.
      EBOMIN=0.
      GO TO 960
```

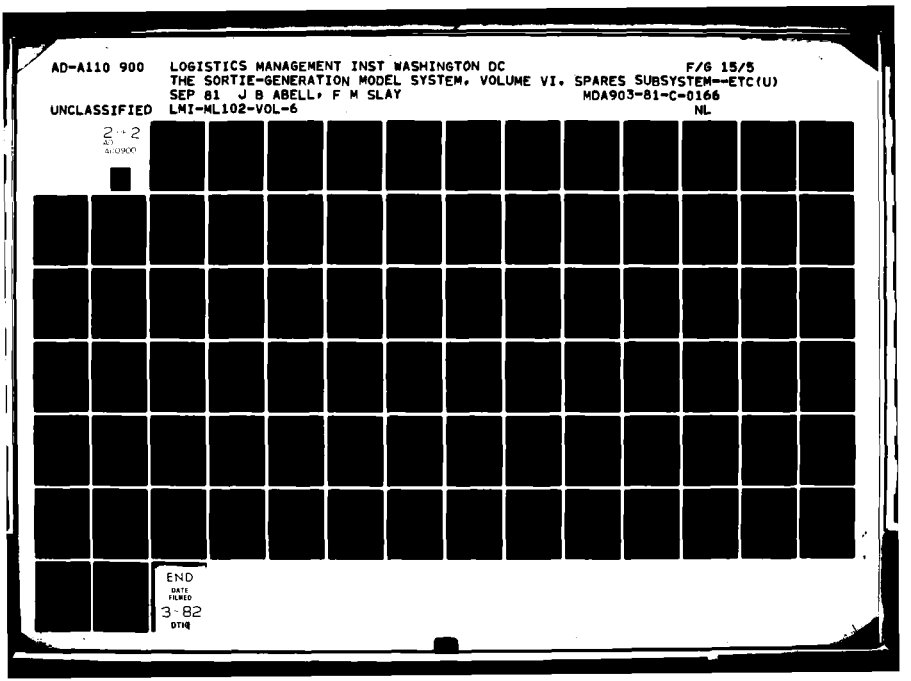
```
5180C**** SIMPLE ONE BASE CASE. PUT ALL ASSETS AT THE BASE.
5190  780 NLRMIN(1)=0
5200      IF(DEBUG)PRINT," SIMPLE ONE BASE CASE"
5210      NLRMIN(2)=TARGET
5220      NSIMP1=NSIMP1+1
5230      BEBOMIN(1)=0.
5240      BEBOMIN(2)=0.
5250      EBOMIN=0
5260      GO TO 960
5270C*************************************************
5280C**** NOT SIMPLE.  COMPUTE MISCELLANEOUS QUANTITIES FOR MA.
5290  800 CUTOFF=AMIN1(0.1,XLAMB*COST)
5300C**** CHECK FOR ONE BASE CASE.
5310      IF(BANDO.GE.0.00001.AND.(NBASES.GE.2.OR.OIMRTO.LE.
5320     &0.99999))GO TO 950
5330C**** ONE BASE CASE.  COMPUTE EBO.
5340      N1BASE=N1BASE+1
5350      SYSEBO=TPIPE
5360      TRMLOG=-TPIPE
5370      I=0
5380C**** CHECK FOR BIG PIPELINE
5390      IF(TPIPE-86.)920,,
5400C**** BIG TPIPE LOGIC.  USES STERLINGS FORMULA.
5410      I=TPIPE-6.*SQRT(TPIPE)
5420      QUANT=I
5430      TRMLOG=QUANT+C2/(30.0*QUANT*QUANT*QUANT)-C1-C2/QUANT
5440     &-ALOG(QUANT)*(QUANT+0.5)+QUANT*ALOG(TPIPE)-TPIPE
5450      SYSEBO=SYSEBO-I
5460  920 TRM=EXP(TRMLOG)
5470      CTL=1.-TRM
5480      DO 930 I=I+1,TARGET
5490         SYSEBO=SYSEBO-CTL
5500         TRM=TRM*TPIPE/I
5510         CTL=CTL-TRM
5520C   ==== CTL IS THE EBO REDUCTION FOR THE I+1'TH SPARE.
5530  930 CONTINUE
5540      IF(OIMRTO-.5)940,,
5550C**** ONE BASE CASE REALLY WAS A BASE.
5560      IF(DEBUG)PRINT," ONE BASE CASE"
5570      NBASES=1
5580      KBASES=2
5590      NLRMIN(2)=TARGET
5600      BEBOMIN(2)=SYSEBO
5610      COTAIL(2)=CTL
5620      TERM(2)=TRM
5630      PIPMIN(2)=TPIPE
5640      EBOMIN=SYSEBO
5650      GO TO 960
5660C**** ONE BASE CASE WAS REALLY A DEPOT ONLY CASE.
5670  940 NBASES=0
5680      KBASES=1
5690      IF(DEBUG)PRINT," DEPOT ONLY CASE"
5700      NLRMIN(1)=TARGET
```

```
5710      BEBOMIN(1)=SYSEBO
5720      TERM(1)=TRM
5730      PIPMIN(1)=TPIPE
5740      EBOMIN=SYSEBO
5750      GO TO 960
5760C**** NON ONE BASE.  ALLOCATE ASSETS MARGINALLY TO DEPOT AND BASES.
5770  950 IF(DEBUG)PRINT,"  CALLING FDEBO FROM HIDMM"
5780      CALL FDEBO
5790      IF(DEBUG)PRINT,LUMPD," ",(DEBO(I),I=1,DEBOCNT)
5800      IF(DEBUG)PRINT 955,KEY,KTYPE,IBP,SMC,ALC,NSNVSL,MDI,COST,
5810     &RCOST,MSERV,MTOC,IDUIN,IONOR,TRBY,OVHTB,OSLB,IADBY,XNJBY,
5820     &MAPBY,BREPB,DREPB,NEGLV,I5,IRZ,OSTRQ,DRCRQ,BRCRQ,DRCRR,
5830     &ABCON,ADCON,ADCOR,AJRCT,NBASES,OST,DRTIME,BRT,IEC,PLTT,NPSL,BNRTS,
5840     &MWRMR,MWRMA,IPSC,MAXREP,TASSE,TARGET
5850  955 FORMAT("  KEY=",I2,"  KTYPE=",I1,"  IBP=",A2,"  SMC=",A4,
5860     &"  ALC=",A2,"  NSN=",A15,"  MDI=",A3,"  COST=",F10.2,/,
5870     &"  RCOST=",F10.2,"  MSERV=",I6,"  MTOC=",I6,"  IDUIN=",I6,
5880     &"  IONOR=",I6,"  TRBY=",F9.2,"  OVHT=",F9.2,"  OSLBA=",F11.4,
5890     &/,"  IADBY=",I6,"  XNJBY=",F9.2,"  MAPBY=",F7.0,"  BREPB=",F9.2,
5900     &"  DREPB=",F9.2,"  NEGLV=",I4,"  I5=",I5,"  IRZ=",I1,/,
5910     &"  OSTRQ=",F11.4,"  DRCRQ=",F11.4,"  BRCRQ=",F11.4,"  DRCRR=",
5920     &F11.4,/,"  ABCON=",F11.4,"  ADCON=",F11.4,"  ADCOR=",F11.4,/,
5930     &"  AJRCT=",F11.4,"  NBASES=",I3,"  OST=",F3.0,"  DRTIME=",F7.0,
5940     &"  BRT=",F3.0,"  IEC=",A2,"  PLTT=",F7.4,"  NPSL=",I7,/,
5950     &"  BNRTS=",F4.2,"  MWRMR=",I6,"  MWRMA=",I6,"  IPSC=",I6,
5960     &"  MAXREP=",I8,"  TASSE=",F9.0,"  TARGET=",I7)
5970      NPICED=NPICED+1
5980      CALL PICND
5990      IF(DEBUG)PRINT,"  BACK TO HIDMM"
6000C
6010C
6020C
6030C*****************************************************************
6040C*****************************************************************
6050C**** COMPUTE REPRATE THEN WRITE OUTPUT
6060  960 REPRATE=0
6070      IF(NBASES),962,
6080      OIMRESUP=0
6090      DO 961 J=2,KBASES
6100         OIMRESUP=OIMRESUP+PIPMIN(J)
6110  961 CONTINUE
6120      IF(OIMRESUP),962,
6130      REPRATE=DDR/(24.*OIMRESUP)
6140  962 WRITE(1)NSNOUT,BEBOMIN(1),OIMRTO,OSTRQ,IPSEL,RIP,COMPHDR,DRTIME
6150     &,OST,BRT,IHIT,NBASES,IEC,COST,REPRATE,BRCRQ,DDR,NBMDSS,DRCRQ
6160      DO 963 I=1,IHIT
6170         IMDS=IXMDS(I)
6180         WRITE(1)IMDS,QPAT(IMDS),FAPT(IMDS)
6190  963 CONTINUE
6200      IF(NBASES),970,
6210      DO 965 I=2,KBASES
6220         WRITE(1)IXBASE(I),PIPMIN(I),NLRMIN(I),BEBOMIN(I),BSHARE(I)
6230  965 CONTINUE
```

```
6240  970 IF(DEBUG)PRINT," OIMRTO,EBOMIN,BEBOMIN,PIPMIN,NLRMIN"
6250     &,OIMRTO," ",EBOMIN
6260       IF(DEBUG)PRINT 980,(BEBOMIN(I),I=1,KBASES)
6270       IF(DEBUG)PRINT 980,(PIPMIN(I),I=1,KBASES)
6280  980 FORMAT(7(" ",F10.3))
6290       IF(DEBUG)PRINT 990,(NLRMIN(I),I=1,KBASES)
6300  990 FORMAT(" ",20I5)
6310C**** WRITE BMDS DATA
6320       IF(NBMDSS),200,
6330       DO 985 IBMDS=1,NBMDSS
6340          WRITE(1)JFORBMDS(IBMDS),MFORBMDS(IBMDS),BMDSHARE(IBMDS)
6350  985 CONTINUE
6360       GO TO 200
6370C
6380C
6390C
6400C*****************************************************************
6410C*****************************************************************
6420C**** WRAPUP --  WRITE FINAL REPORTS TO 7.
6430  999 WRITE(7,1000)VSLCNT,APPCNT,NUMMDS,NSIMPLE
6440 1000 FORMAT('0',' NO. OF VSL READS=',I6,'  NO. OF APP READS=',
6450&     I6,'NO. OF MDS READS=',I6,'  NO. OF NSNS WITH SIMPLE DIST=',I6)
6460       WRITE(7,1010)NBADAPPS,NIBASE,NPROCESS
6470 1010 FORMAT(" NBADAPPS,NIBASE,NPROCESS=",3I7)
6480       WRITE(7,1020)SRUCNT,NDUMMY,NPICED
6490 1020 FORMAT(" SRUCNT=",I9,"  NDUMMY=",I5," NPICED=",I8)
6500       WRITE(7,1030)NSIMPDEP,NSIMP1,MAXBMDSS
6510 1030 FORMAT(" NSIMPDEP,NSIMP1,MAXBMDSS=",3I6)
6520       WRITE(7,1040)MXNUMDEP,MXTOTDEP
6530 1040 FORMAT(" MXNUMDEP,MXTOTDEP=",2I7)
6540       STOP
6550       END
```

```
SYSTEM ?LIST LA61A/STARS/SOURCE/DM/HDR01

990C ** ** LA61A/STARS/SOURCE/DM/HDR01  2/6/81  BY FMS
1000      REAL BEBOMIN(256),PIPE(256),BSHARE(256),FAPT(150),LAMBDA
1010      INTEGER IXBASE(256),NLRMIN(256),QPAT(150),IXMDS(150)
1020      CHARACTER NSNOUT*15,NSN01*15/'000000'/,NOUN*10
1030      CHARACTER MDST*15(150)
1040      INTEGER LOCMDS(150),BASET(600),IFHT(600)
1050      LOGICAL MATCH
1060      REWIND 2
1070      READ(2)IDECIDE
1080      READ(2)NUMMDS,ILAST
1090      READ(2)(MDST(I),I=1,NUMMDS)
1100      READ(2)(LOCMDS(I),I=1,NUMMDS+1)
1110      READ(2)(BASET(I),I=1,ILAST)
1120      READ(2)(IFHT(I),I=1,ILAST)
1130      WRITE(3)IDECIDE
1140      WRITE(3)NUMMDS,ILAST
1150      WRITE(3)(MDST(I),I=1,NUMMDS)
1160      WRITE(3)(LOCMDS(I),I=1,NUMMDS+1)
1170      WRITE(3)(BASET(I),I=1,ILAST)
1180      WRITE(3)(IFHT(I),I=1,ILAST)
1190  100 READ(2,END=999)NSNOUT,DEBQ,QIMRTQ,QSTRQ,IPSEL,RIP,COMPHDR
1200     &,DRTIME,QST,BRT,IHIT,NBASES,IEC,COST,REPRATE,BRCRQ,DDR,NBMDSS
1205     &,DRCRQ
1210      MATCH=.FALSE.
1220      NREAD=NREAD+1
1230      DO 150 I=1,IHIT
1240      READ(2)IXMDS(I),QPAT(I),FAPT(I)
1250  150 CONTINUE
1260      IF(NBASES),350,
1270      DO 200 I=1,NBASES
1280  200 READ(2)IXBASE(I),PIPE(I),NLRMIN(I),BEBOMIN(I),BSHARE(I)
1290      GO TO 350
1300  250 READ(01,300,END=450)NSN01,NOUN,LAMBDA
1310  300 FORMAT(4X,A15,A10,56X,F5.4)
1320  350 IF(NSNOUT.LT.NSN01)GO TO 500
1330      IF(NSN01.LT.NSNOUT)GO TO 250
1340      NMATCH=NMATCH+1
1350      MATCH=.TRUE.
1360      COMPHDR=LAMBDA*.01
1370      GO TO 250
1380  450 NSN01='ZZZZZZ'
1390C---- CHECK FOR MATCH & NON FLYING HOUR PROGRAM.
1400  500 IF(.NOT.MATCH) GO TO 530
1410      IF(IPSEL.LE.1)GO TO 540
1420C---- MATCH=.TRUE. BUT NOT FLYING HOUR PROG.
1430      COMPHDR=0.
1440      REPRATE=0.
1450      PRINT," ",NOUN," ',NSNOUT," IPSEL=",IPSEL
1460      GO TO 540
1470C---- NOT MATCH
1480  530 PRINT," ",NSNOUT," NOT MATCHED  COMPHDR,IPSEL=",COMPHDR,IPSEL
```

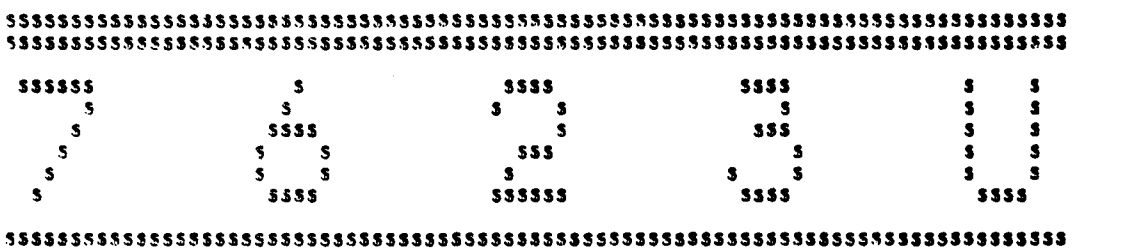

AD-A110 900
LOGISTICS MANAGEMENT INST WASHINGTON DC
F/G 15/5
THE SORTIE-GENERATION MODEL SYSTEM, VOLUME VI. SPARES SUBSYSTEM--ETC(U)
SEP 81 J B ABELL, F M SLAY
MDA903-81-C-0166
UNCLASSIFIED
LMI-ML102-VOL-6
NL
2 · 2
AD A110900
END
DATE FILMED
3-82
DTIC

```
      IF(IPSEL.LE.1)GO TO 540
C---- NOT FLYING HOURS EITHER
      COMPHDR=0.
      REPRATE=0.
  540 WRITE(3)NSNOUT,DEBO,OIMRTO,OSTRQ,IPSEL,RIP,COMPHDR
     &,DRTIME,OST,BRT,IHIT,NBASES,IEC,COST,REPRATE,BRCRQ,DDR,NBMDSS
     &,DRCRQ
      DO 550 I=1,IHIT
      WRITE(3)IXMDS(I),QPAT(I),FAPT(I)
  550 CONTINUE
      IF(NBASES),610,
      DO 600 I=1,NBASES
  600 WRITE(3)IXBASE(I),PIPE(I),NLRMIN(I),BEBOMIN(I),BSHARE(I)
  610 IF(NBMDSS),100,
      DO 620 I=1,NBMDSS
         READ(2)J,M,S
         WRITE(3)J,M,S
  620 CONTINUE
      GO TO 100
  999 PRINT,"  NREAD,NMATCH=",NREAD,NMATCH
      STOP
      END
```

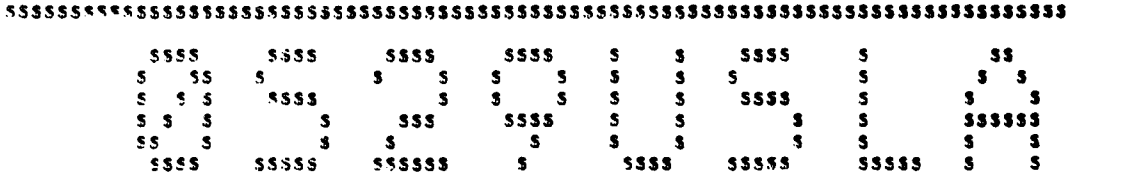
APPENDIX F

SAMPLE OF OUTPUT FROM THE

DISTRIBUTION MODEL



```
0004  $       IDENT   OS2011N232D ,OS29USLAY                                          0110
```



```
$$   7623U ENTERED C       AT 14.117 FROM TSS/S   0-08-16

0001  $       SNUMB   7623U
0002  $       COMMENT OS29SLAY         TSS CARDIN
0003  $$      USERID  OS29SLAY$##########
0004  $       IDENT   OS2011N232D ,OS29USLAY                                          0110
0005  $       NOTE    SDIST RUN FOR ABELL                                             120
0006  $       MSG1    4,ULGDISTW0S3,OS2942,090                                        130
0007  $       OPTION  FORTRAN                                                      00140
0008  $$      SELECT  LA61A/STARS/OBJECT/DM/HIDMM.O                                00150
0009* $       OBJECT   HIDMM REVISED 2/2/81 FOR DISTRIBUTION MOD- Y13.271082481.....00
0011  $$      SELECT  LA61A/STARS/OBJECT/DM/FDEBO.O                                00160
0012* $       OBJECT  ** FDE80 4/13/79 FOR DISTRIBUTION MOD-METRI Y16.1010904B1FDEB0000
0014  $$      SELECT  LA61A/STARS/OBJECT/DM/PICND.O                                00170
0015* $       OBJECT   PICND 1/18/79 FOR DISTRIBUTION MOD-METRIC  Y16.053090481PICND000
0017 A$       EXECUTE                                                             000180
0018  $       LIMITS  199,29K,,19K                                                  00190
0019  $       FILE    01,A3CR,600L                                                  200
0020  $$      PRMFL   03,R,$,LA61A/STARS/COMMON/DM/THREESIM                         0210
0021  $       TAPE9   04,A40D,,21971,,###                                          0220
0022  $       DATA    05                                                            230
0023  $       REMOTE  07                                                         00250
0024  $       TAPE9   11,A50D,,21185,,###                                          0260
0025  $       TAPE9   12,A60D,,20087,,###                                          0270
0026  $       OPTION  FORTRAN                                                    00280
0027  $$      SELECT  LA61A/STARS/OBJECT/DM/HDR.O                                00290
0028* $       OBJECT   LA61A/STARS/SOURCE/DM/HDR01  2/6/81  BY FM Y13.2890824B1.....00
0030 A$       EXECUTE                                                            000300
0031  $       LIMITS  99,15K,,1K                                                  00310
0032  $       TAPE9   01,A70D,,26140,,###                                          0320
0033  $       FILE    02,A3SS                                                       330
0034  $       TAPE9   03,A8CC,,,,DISTW0S3***                                       0340
0035  $       IF      ABORT,LX1                                                     0
```

```
0036  $       GOTO    NX1                                                    360
0037  $       NOTE                                                         000370
0038  $       NOTE                                                         000380
0039  $       NOTE    SAVE OUTPUT FROM HIDMM ON TAPE                         390
0040  $ LX1.  LABEL                                                      00000400
0041 A$       UTILITY                                                      000410
0042  $       LIMITS  20,10K,,1K                                           00420
0043  $       FUTIL   AA,BB,REW/AA,BB/,COPY/1F/                             0430
0044  $       FILE    AA,A3RR                                               440
0045  $       TAPE9   BB,ABCD,,,,DISTW0S3***                                0450
0046  $       IF      ABORT,ENDJOB                                            0
0047  $ NX1.  LABEL                                                      00000470
0048  $       ENDJOB                                                       000480
  TOTAL CARD COUNT THIS JOB = 000963


 * BEGIN ACTIVITY -01-  GELOAD   09/05/81   SW=010000000000
INPUT STARTED     WITH #21971  FOR FILE CODE 04 GE  600 BTL  AFDSC 21971 21971  0001 81248   000SSIWRM80S3**
INPUT STARTED     WITH #21185  FOR FILE CODE 11 GE  600 BTL  AFDSC 21185 21185  0001 80349   000VREPR0S3***
INPUT STARTED     WITH #20087  FOR FILE CODE 12 GE  600 BTL  AFDSC 20087 20087  0001 80347   000
  * NORMAL TERMINATION      AT 016673 I=5020 SW=010000000000

     START 14.485      LINES  16069      PROC  0.6601      I/O   0.064    IU  S   MEMORY   29K
     STOP  15.232      LIMIT  19456      LIMIT 1.9900      LIMIT          CU  S   M*T    83390
     SWAP   0.000
     LAPSE  0.746   FC D TYPE     BUSY    IP/AT    FP/RT    IS/#C MS/#E    ADDRESS T#

                    05 R D191 *    378        0       26       26    26    0-08-16
                    R* R D191 *    586        0        0       32    32    0-08-16
                    01 S D191 *  98580        0     7095     7200  7200    0-08-03
                    03 R D191 P     41        0        1        1     1    0-08-11
                    04 D TAP9     9566           723/01      751     0    0-16-10 #21971
                    07  SYOUT
                    11 D TAP9    73534             0/03     5953     0    0-16-03 #21185
                    12 D TAP9    29973          2102/01     2135     0    0-16-04 #20087
                    P*  SYOUT
                    L* R D191 *   3297        0        0      624   624R   0-08-02

      LIST    123 LINES AT STA.  XL
      RC-52 15884 LINES AT STA.  XL
      RC-06    27 LINES AT STA.  XL
      RC-07    35 LINES AT STA.  XL


  PROCESSOR          I/O          CORE         TOTAL
    $ 21.12       $ 3.75       $ 45.44      $ 70.31


 * BEGIN ACTIVITY -02-  GELOAD   09/05/81   SW=000000000000
OPERATOR STARTED   WITH #26393 FOR FILE CODE 03 GE  600 BTL  AFDSC 26393 26393  0001 81248   000DISTW0S3***
INPUT STARTED     WITH #26140  FOR FILE CODE 01 GE  600 BTL  AFDSC 26140 26140  0001 80346   000
INPUT CONTINUED   WITH #28319  FOR FILE CODE 01 GE  600 BTL  AFDSC 28319 26140  0002 80346   000
  * NORMAL TERMINATION      AT 016633 I=5020 SW=000000000000

     START 15.310      LINES    393      PROC  0.4583      I/O   0.180    IU  S   MEMORY   15K
     STOP  16.001      LIMIT   1024      LIMIT 0.9900      LIMIT          CU  S   M*T    39792
     SWAP   0.000
     LAPSE  0.690   FC D TYPE     BUSY    IP/AT    FP/RT    IS/#C MS/#E    ADDRESS T#

                    02 S D191 *  91380     7095     7095     7200  7200    0-08-03
                    R* R D191 *     41        0        0        4     4    0-08-16
                    01 D TAP9   457556          16736/01    36950     0    0-16-10 #26140
```

```
     LIST     103 LINES AT STA.  XL
     RC-52    290 LINES AT STA.  XL

PROCESSOR          I/O          CORE         TOTAL
  $ 14.67      $ 10.59      $ 10.68      $ 35.94

*  SCARD #0036  IS TRUE, SW=000000000000,   SKIP TO NX1


  SNUMB = 7423U, ACTIVITY # = 01, REPORT CODE = 74, RECORD COUNT = 000123
```

ORIGIN DATE MODULE ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION

SUBPROGRAMS INCLUDED IN DECK.

```
                        $       OPTION  FORTRAN                                                 00140
064214 08/24/81 .... ...... 064214
      BLOCK COMMON    .DATA.  045520      FAKEBL 044760      PICBLK 043754      EBOBLK 037736      DEBOBL 034004
                      GENERA  033776
033514 09/04/81 FDEB FDEBD   033514
      BLOCK COMMON    .DATA.  033460      FBOBLK 037736      DEBOBL 034004      GENERA 033776
030554 09/04/81 PICN PICND   030554
      BLOCK COMMON    .DATA.  026450      PICBLK 043754      EBOBLK 037736      DEBOBL 034004      GENERA 033776
```

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

```
026214 05/17/73 FDLG .DLOG1  026222      .DLOGD 026215      DLOG10 026214      DLOG   026221
026124 05/17/73 FSQR .SQRT1  026126      SQRT   026124
025766 05/18/73 FALG .ALOG1  025776      .ALOGT 025770      ALOG10 025766      ALOG   025774
025656 05/18/73 FEXP .EXP1   025660      EXP    025656
024536 11/08/73 FRDB .FRDB.  025065      .FWRB. 024624      .FBLT. 025376      .FBDT. 025364      .FRLR. 025270
                    .FWLR.   025316      .FBBC. 025233      .FBBCA 025231
024512 07/09/72 FBLO .FBLO.  024512      .FBDO. 024517      .FBLI. 024523      .FBDI. 024527      .FBSI. 024523
                    .FBSO.   024512
024164 05/18/73 FRDD .FRDD.  024334      .FWRD. 024335      .FPUN. 024336      .FENC. 024337      .FDEC. 024340
                    .FRCD.   024341      .FPRN. 024342      .FRTN. 024343      .FFIL. 024344      .DBCNV 024345
                    .BDCNV   024367      ..ABLK 024177      .QCOMP 024226      ..LNSZ 024236      ..A37R 024333
                    .PRNIT   024201      .ASTRK 024506      ..TC   024203      .POINT 024223      .SIGN  024224
                    .FRMTR   024406      .FRMTZ 024406      .PUINT 024202      .FILL  024234      ..A2   024170
                    .FXMC.   024165      ..A7   024232      ..A1   024170      ..A3   024200      ..A4   024230
                    ..A8     024234      ..A9   024237      ..A13  024240      ..A14  024241      ..A15  024242
                    ..A17    024243      ..A18  024170      ..A21  024246      ..A24  024170      ..A30  024405
                    ..A31    024257      ..A27  024254      ..A32  024302      ..A33  024304      ..A34  024305
                    ..A35    024306      ..A37  024327      ..A51  024166      ..A52  024164      .LPRCH 024172
                    .CMACH   024173      .ECHR  024174      .OCT60 024171      .UPPRT 024175      .UPPRF 024176
                    .LWRT    024175      .LWRF  024176      .RCW18 024256
020614 04/11/77 FDIO .FRD    023375      .FWRT  023311      .FPN   023304      .FNC   023516      .FDC   023541
                    .FCD     023375      .FPR   023311      .FFL   023501      .FRT   023466      .IO1   023144
                    .IO5     023237      .LBCTR 024101      .EFDBC 024154      .FCNVI 021412      .FCNVR 021421
                    .FCNV2   021504      .SKPB1 021372      .INCTR 024156      .CKSTA 021577      .FMSC1 020647
                    .FMSC2   020635      .FMSC4 020652      .FMSC5 020707      .FMSC6 020661      .EFFLG 024155
                    .SVRG    020620      .RETIN 020633      .GTARG 023321      .SXIT  020724      .LNRGN 023567
                    .SKPB4   021401      .VLIST 021330      .CSCFP 020742      .CFFXD 020732      .CFFLT 021014
                    .CDFLT   021013      .CSLSH 023130      .CDCPT 021513      .CSCFM 020740      .CCMMA 020756
                    .CRPAR   021052      .CLPAR 021016      .LBUFF 024102      .SKPB3 021406      .CKSTP 021561
                    ..CKST   021571      .DATUM 024064      ..STOP 021754      .VCOMA 022400      ..CCR  022413
                    .CN1     021614      .FWS7  024144      .FCNV. 021471      .STP   021747      .FCNVD 021430
                    .FCNVL   021440      .FCNVC 021447
020542 05/15/73 FEOF .FEOF.  020542
020376 04/11/77 FSLW .FSLEW  020376
020050 05/09/73 FXEM FXEM    020061      .FXEM. 020060      .F.XF  020071      F.XMC  020220      .TAH1  020350
                    .LSTMS   020360      .KIND  020174      .BUGG  020173      .MXERR 020062      ..FX1  020064
                    ..FX2    020106      ..FX3  020114      ..FX10 020203      .LRG   020130      ..FX8  020114
```

ORIGIN	DATE	MODULE	ENTRY	LOCATION	ENTRY	LOCATION	ENTRY	LOCATION	ENTRY	LOCATION	ENTRY	LOCATION
			..FX9	020105	.CLLR	020324	.FYDEE	020326	..FX4	020116	..FX5	020115
			..FX6	020161	..FX7	020210						
016710	04/11/77	FXFH	.FXM.	016730	F.XM	017364	ANYERR	017533	FXOPT	017415	FXDVCK	017455
			.FGERR	017406	FXALT	017472	.FXALT	017504	S.REG.	016720	FXDV	020010
			FXFDV	020006	FXCODE	017343	.TSMS	017506	.MSX	017512	.FXPNT	017244
			.FXTRC	017017	.FXSW1	017344	.FXSW2	017350	.FXSW3	017354	ERRLK	017541
			.FLTPR	017543								
016630	05/30/73	FXIT	.FEXIT	016630	FXIT	016630	.JEXIT	016630	JEXIT	016630		
016050	04/11/77	FOPF	.FOPEN	016077	.FBAD.	016072	.FBFTB	016551	.FXOP.	016320	.FGTFB	016073
			.FJOV.	016075								
015612	07/09/72	FOPT	.FIDO.	015726								
015554	05/11/73	FSLI	.FSLII	015606	.FSLIO	015562	.FSLIB	015554				
014710	05/18/73	FPAW	.FPAW.	014710	.FPAI.	014716	.FPAC.	014732	.FIXT.	014714	.FCXT.	014724
			.FPAWA	014710	.FIXTA	014714	.FPAIA	014716	.FCXTA	014723	.FPACA	014731
			.FSAV	014760								
014512	10/26/72	FCOM	.FCOM.	014524	.FCOMA	014521	.FCOM	014526				
014374	10/26/72	FCHA	.FCHMA	014400	.FCHM.	014402	.FCHM	014403				
014250	06/21/73	FSTU	.FSETU	014275	.SETU.	014275	.RCOV	014264	FPARAM	014250	.FMDB.	014265
			.FTL	014273	.FLTX1	014273	.LINSZ	014266				
014246	08/09/73	FBCD	.ASCB.	014246	.ASCB	014246						
014044	04/05/73	FTAB	.GTAB.	014044								
014040	04/11/77	FMXN	.MXNO	014040	.NMXNO	014041	.GFLG	014042	.FRENT	014043		
013756	07/09/72	GWAI	.GWAIT	013756	.GAWAI	013756	WAIT	013756				
013726	07/09/72	GSTI	.GSTIN	013726	SETIN	013726						
013632	07/09/72	GSTO	.GSTOT	013632	SETOUT	013632						
013562	07/09/72	GWRC	.GWTRC	013562	.GAWTR	013562	WTREC	013562				
013032	06/18/73	GGTB	.GGTBK	013032	GETBK	013032	.GGET	013034	GET	013034	.GAGTB	013032
			.GAGET	013034	.GR001	013036						
013024	07/09/72	GRMT	.GOPNR	013024	.GCLSR	013024	.GGETR	013024	.GPUTR	013024		
012276	11/08/73	GPTB	.GCOPY	012276	COPY	012276	.GPTBK	012301	PUTBK	012301	.GPUT	012304
			PUT	012304	.GACOP	012276	.GAPTB	012301	.GAPUT	012304	.GFR67	013001
012200	07/09/72	GPSZ	.GPTSZ	012200	.GAPTS	012200	PUTSZ	012200				
011414	04/26/73	GOPE	.GOPEN	011414	.GAOPE	011414	OPEN	011414				
011406	07/09/72	GRNT	.GXREA	011406	.GXWRT	011406	.GXLAB	011406	.GXOPN	011407		
010732	06/05/73	GCLO	.GCLSE	010732	.GACLS	010732	.GR185	011042	.GR186	011134	.GR178	011047
			CLOSE	010732	.GBCLS	010732						
010632	07/09/72	GREL	.GRLSE	010632	.GARLS	010632	RELSE	010632				
010450	07/09/72	G20R	.GR200	010450								
010366	07/09/72	G25R	.GR225	010366								
010312	04/26/73	G50R	.GR250	010312								
010034	11/08/73	G27R	.GR275	010034								
007662	07/09/72	G37R	.GR377	007720	.GR375	007662	.GR37X	007737	.GR390	007757		
007640	07/09/72	G60R	.GR960	007645	.GABTB	007640						
007362	07/09/72	G80R	.GR980	007362	.GR979	007454	.GR99X	007366	.GR984	007424	.GR985	007454
			.GR999	007372								
007330	07/09/72	G90R	.GR990	007330	.GR991	007351	1SAUGS	007356				
006470	07/09/72	GLAB	.GINHD	006475	.GOUTH	006474	.GINTL	006473	.GOUTL	006472	.GUSWH	006471
			.GOVRL	006476	.GLREA	006566	.GRCVY	006470	.GRPRV	006525		
006466	04/11/77	GINI	.GINID	006466								

RANGE SIZE

```
   ORIGIN   DATE MODULE ENTRY LOCATION    ENTRY LOCATION    ENTRY LOCATION    ENTRY LOCATION    ENTRY LOCATION

                        ALLOCATED CORE     000000 THRU 071777      072000
                           RELOCATABLE     006466 THRU 071777      063312
                        $       FILE    01,A3CR,600L                                              200
                        $       PRMFL   03,R,S,LA61A/STARS/COMMON/DM/THREESIM                     0210
                        $       TAPE9   04,A4DD,,21971,,###                                       0220
                        $       DATA    05                                                        230
                        $       REMOTE  07                                                       00250
                        $       TAPE9   11,A5DD,,21185,,###                                       0260
                        $       TAPE9   12,A6DD,,20087,,###                                       0270

                        FCB AND BUFFER SPACE
                           AVAILABLE       000101 THRU 006465      006365
                           FILE CTRL BLKS  006104 THRU 006466      000363
                           MAXIMUM BUFFER SPACE REQUIRED           005511

                            29K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY WITH ALL FILES OPEN     730517 F/B
                        001322 LOCATIONS REQUIRED FOR LOAD TABLE
                        EXECUTION PROGRAM ENTERED AT  064214   THROUGH  .FSETU


     SNUMB = 76230, ACTIVITY # = 01, REPORT CODE = 52, RECORD COUNT = 015884

      IDECIDE=              15
     FILE-S A007   A007D                15          24          24          0
     FILE-S A007   A007D                29          18          18          0
     FILE-S A007   A007D                36           6           6          0
     FILE-S A007   A007D                37           2           2          0
     FILE-S A007   A007D                42          72          72         72
     FILE-S A007   A007D                55          18          18          0
     FILE-S A007   A007D                71          18          18          0
     FILE-S A007   A007D                78          24          24          0
     FILE-S A007   A007D                95          18          18          0
     FILE-S A007   A007D               121          18          18          0
     FILE-S A007   A007D               127          18          18          0
     FILE-S A007   A007D               134          18          18          0
     FILE-S A007   A007D               139          18          18          0
     FILE-S A007   A007D               140          18          18          0
     FILE-S A007   A007D               145          18          18          0
     FILE-S A007   A007D               147          36          36          0
     FILE-S A007   A007D               148          18          18          0
     FILE-S A010   A010A                 8          18          18          0
     FILE-S A010   A010A                14          18          18          0
     FILE-S A010   A010A                28          76          76         76
     FILE-S A010   A010A                36           4           4          0
     FILE-S A010   A010A                44           1           1          0
     FILE-S A010   A010A                51          15          15          0
     FILE-S A010   A010A                59          18          18          0
     FILE-S A010   A010A               104          72          72         72
     FILE-S A010   A010A               107          14          14         14
     FILE-S A010   A010A               163          78          78         78
     FILE-S A037   0A037B                7          24          24          0
     FILE-S A037   0A037B               26          18          18          0
     FILE-S A037   0A037B               36           4           4          0
     FILE-S A037   0A037B               54          18          18          0
     FILE-S A037   0A037B               58          24          24          0
     FILE-S A037   0A037B              108          18          18          0
     FILE-S A037   0A037B              153           9           9          0
```

FILE-5 B052	B052D	4	14	14	14
FILE-5 B052	B052D	19	33	33	33
FILE-5 B052	B052D	34	14	14	14
FILE-5 B052	B052D	61	1	1	0
FILE-5 B052	B052D	69	14	14	14
FILE-5 B052	B052G	7	30	30	30
FILE-5 B052	B052G	12	16	16	16
FILE-5 B052	B052G	20	12	12	12
FILE-5 B052	B052G	36	4	4	0
FILE-5 B052	B052G	43	16	16	16
FILE-5 B052	B052G	57	16	16	16
FILE-5 B052	B052G	90	15	15	15
FILE-5 B052	B052G	128	15	15	15
FILE-5 B052	B052G	135	15	15	15
FILE-5 B052	B052G	160	16	16	16
FILE-5 B052	B052H	40	30	30	30
FILE-5 B052	B052H	52	17	17	17
FILE-5 B052	B052H	72	20	20	20
FILE-5 B052	B052H	100	17	17	17
FILE-5 B111	FB111A	36	1	1	0
FILE-5 B111	FB111A	93	1	1	0
FILE-5 B111	FB111A	115	26	26	26
FILE-5 B111	FB111A	118	34	34	34
FILE-5 C005	C005A	2	4	4	4
FILE-5 C005	C005A	32	35	35	35
FILE-5 C005	C005A	146	35	35	35
FILE-5 C007	C007A	30	16	16	0
FILE-5 C007	C007A	51	16	16	0
FILE-5 C007	C007A	63	1	1	0
FILE-5 C007	C007A	91	16	16	0
FILE-5 C130	C130A	23	8	8	0
FILE-5 C130	C130A	49	8	8	0
FILE-5 C130	C130A	56	8	8	0
FILE-5 C130	C130A	98	8	8	0
FILE-5 C130	C130A	99	16	16	0
FILE-5 C130	C130A	106	16	16	0
FILE-5 C130	C130A	109	8	8	0
FILE-5 C130	C130A	121	8	8	0
FILE-5 C130	C130A	129	8	8	0
FILE-5 C130	C130A	134	8	8	0
FILE-5 C130	C130A	159	2	2	0
FILE-5 C130	AC130A	37	10	10	10
FILE-5 C130	C130B	10	8	8	0
FILE-5 C130	C130B	22	8	8	0
FILE-5 C130	C130B	25	8	8	0
FILE-5 C130	C130B	31	8	8	0
FILE-5 C130	C130B	35	8	8	0
FILE-5 C130	C130B	63	9	9	0
FILE-5 C130	C130B	75	16	16	0
FILE-5 C130	C130B	88	8	8	0
FILE-5 C130	C130B	150	8	8	0
FILE-5 C130	C130B	154	8	8	0
FILE-5 C130	C130D	132	8	8	0
FILE-5 C130	C130E	1	8	8	0
FILE-5 C130	C130E	3	8	8	0
FILE-5 C130	C130E	5	8	8	0
FILE-5 C130	C130E	41	10	10	10
FILE-5 C130	C130E	60	8	8	0
FILE-5 C130	C130E	64	1	1	0
FILE-5 C130	C130E	73	8	8	0
FILE-5 C130	C130E	74	6	6	6
FILE-5 C130	C130E	83	58	58	58
FILE-5 C130	C130E	92	16	16	16
FILE-5 C130	C130E	119	48	48	48
FILE-5 C130	C130E	126	16	16	0
FILE-5 C130	C130E	131	8	8	0

FILE=5	C130	C130E	150	8	8	0
FILE=5	C130	C130E	158	8	8	0
FILE=5	C130	C130F	165	16	16	16
FILE=5	C130	C130F	176	19	19	19
FILE=5	C130	C130E	182	16	16	16
FILE=5	C130	MC130E	68	5	5	5
FILE=5	C130	MC130E	159	1	1	0
FILE=5	C130	MC130E	170	4	4	4
FILE=5	C130	MC130E	176	4	4	4
FILE=5	C130	AC130E	4	3	3	3
FILE=5	C130	AC130E	74	3	3	3
FILE=5	C130	C130H	34	48	48	48
FILE=5	C130	C130H	83	13	13	13
FILE=5	C130	C130H	156	8	8	0
FILE=5	C130	AC130H	68	10	10	10
FILE=5	C130	DC130H	64	1	1	0
FILE=5	C130	HC130H	63	6	6	0
FILE=5	C130	HC130H	64	1	1	0
FILE=5	C130	HC130H	66	2	2	0
FILE=5	C130	HC130H	78	5	5	5
FILE=5	C130	HC130H	89	6	6	0
FILE=5	C130	HC130H	93	3	3	3
FILE=5	C130	HC130H	101	4	4	0
FILE=5	C130	HC130H	134	2	2	0
FILE=5	C130	HC130H	143	4	4	0
FILE=5	C130	HC130H	163	1	1	1
FILE=5	C130	HC130H	170	2	2	2
FILE=5	C130	AC130H	74	11	11	4
FILE=5	C130	HC130N	66	2	2	0
FILE=5	C130	HC130N	93	1	1	1
FILE=5	C130	HC130N	134	2	2	0
FILE=5	C130	HC130N	163	4	4	4
FILE=5	C130	HC130N	170	2	2	2
FILE=5	C131	C131B	29	1	1	0
FILE=5	C131	C131B	39	1	1	0
FILE=5	C131	C131B	45	1	1	0
FILE=5	C131	C131B	78	1	1	0
FILE=5	C131	C131B	120	1	1	0
FILE=5	C131	C131B	147	1	1	0
FILE=5	C131	C131D	11	1	1	0
FILE=5	C131	C131D	13	1	1	0
FILE=5	C131	C131D	15	1	1	0
FILE=5	C131	C131D	46	1	1	0
FILE=5	C131	C131D	48	1	1	0
FILE=5	C131	C131D	53	1	1	0
FILE=5	C131	C131D	62	1	1	0
FILE=5	C131	C131D	70	1	1	0
FILE=5	C131	C131D	71	1	1	0
FILE=5	C131	C131D	82	1	1	0
FILE=5	C131	C131D	95	1	1	0
FILE=5	C131	C131D	105	1	1	0
FILE=5	C131	C131D	108	1	1	0
FILE=5	C131	C131D	113	1	1	0
FILE=5	C131	C131D	124	1	1	0
FILE=5	C131	C131D	134	1	1	0
FILE=5	C131	C131D	142	1	1	0
FILE=5	C131	C131D	153	1	1	0
FILE=5	C131	C131D	158	18	18	0
FILE=5	C131	C131E	14	1	1	0
FILE=5	C131	C131E	26	1	1	0
FILE=5	C131	C131E	54	1	1	0
FILE=5	C131	C131E	121	1	1	0
FILE=5	C131	C131E	127	1	1	0
FILE=5	C135	C135A	111	1	1	1
FILE=5	C135	C135A	159	2	2	0
FILE=5	C135	EC135A	40	8	8	8

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FILE-S C135  EC135A                58     1     1     1
FILE-S C135  EC135A                80     3     3     3
FILE-S C135  EC135A               144     2     2     2
FILE-S C135  EC135A               159     6     6     0
FILE-S C135  EC135A               173     3     3     3
FILE-S C135  KC135A                 2    19    19    19
FILE-S C135  KC135A                 4     6     6     6
FILE-S C135  KC135A                 6     8     8     0
FILE-S C135  KC135A                 7    19    19    19
FILE-S C135  KC135A                 9    30    30    30
FILE-S C135  KC135A                12    14    14    14
FILE-S C135  KC135A                19    16    16    16
FILE-S C135  KC135A                20    41    41    41
FILE-S C135  KC135A                23     8     8     0
FILE-S C135  KC135A                34    16    16    16
FILE-S C135  KC135A                38     8     8     8
FILE-S C135  KC135A                40    10    10    10
FILE-S C135  KC135A                43    37    37    29
FILE-S C135  KC135A                45     8     8     0
FILE-S C135  KC135A                49     8     8     0
FILE-S C135  KC135A                52    20    20    20
FILE-S C135  KC135A                55     8     8     0
FILE-S C135  KC135A                57    16    16    16
FILE-S C135  KC135A                58    45    45    37
FILE-S C135  KC135A                72    20    20    20
FILE-S C135  KC135A                83     8     8     0
FILE-S C135  KC135A                84    20    20    20
FILE-S C135  KC135A                89    21    21    13
FILE-S C135  KC135A                90    21    21    13
FILE-S C135  KC135A                94    19    19    19
FILE-S C135  KC135A                96     8     8     0
FILE-S C135  KC135A                97     8     8     0
FILE-S C135  KC135A               100    20    20    20
FILE-S C135  KC135A               115    20    20    12
FILE-S C135  KC135A               117     8     8     0
FILE-S C135  KC135A               118    30    30    30
FILE-S C135  KC135A               127    23    23    15
FILE-S C135  KC135A               128    14    14    14
FILE-S C135  KC135A               130     8     8     0
FILE-S C135  KC135A               135    14    14    14
FILE-S C135  KC135A               146    19    19    19
FILE-S C135  KC135A               159    11    11     0
FILE-S C135  KC135A               160    16    16    16
FILE-S C135  KC135A               170    15    15    15
FILE-S C135   C135B                 5     2     2     2
FILE-S C135   C135B               111     2     2     2
FILE-S C135   C135B               159     5     5     0
FILE-S C135   C135B               175     1     1     1
FILE-S C135  KC135B                 5     1     1     0
FILE-S C135  KC135B                63     2     2     2
FILE-S C135  KC135B                93     5     5     5
FILE-S C135  EC135C                40     4     4     4
FILE-S C135  EC135C                63     3     3     3
FILE-S C135  EC135C               111     9     9     9
FILE-S C135  KC135S                38     2     2     2
FILE-S C135  KC135S               137     2     2     2
FILE-S C135  KC135U               111     2     2     2
FILE-S C135  KC135V               111    12    12    12
FILE-S C140   C140A                 5     6     6     6
FILE-S C140   C140A               133     4     4     0
FILE-S C140 ? FILE ABORTED  --  CP
```

```
    SNUMB = 7623U, ACTIVITY # = 01, REPORT CODE = 06, RECORD COUNT = 000027

      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     033265
      EXP UNDERFLO  AT LOCATION     033265
      EXP UNDERFLO  AT LOCATION     033265
      EXP UNDERFLO  AT LOCATION     033265
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031545
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031545
      EXP UNDERFLO  AT LOCATION     031545
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031553
      EXP UNDERFLO  AT LOCATION     031545
**THIS IS THE LAST TIME THE ABOVE MESSAGE WILL APPEAR*

    SNUMB = 7623U, ACTIVITY # = 01, REPORT CODE = 07, RECORD COUNT = 000035

  NO. OF VSL NSNS PROCESSED=  1000
  NO. OF VSL NSNS PROCESSED=  2000
  NO. OF VSL NSNS PROCESSED=  3000
  NO. OF VSL NSNS PROCESSED=  4000
  NO. OF VSL NSNS PROCESSED=  5000
  NO. OF VSL NSNS PROCESSED=  6000
  NO. OF VSL NSNS PROCESSED=  7000
  NO. OF VSL NSNS PROCESSED=  8000
  NO. OF VSL NSNS PROCESSED=  9000
  NO. OF VSL NSNS PROCESSED= 10000
  NO. OF VSL NSNS PROCESSED= 11000
  NO. OF VSL NSNS PROCESSED= 12000
  NO. OF VSL NSNS PROCESSED= 13000
  NO. OF VSL NSNS PROCESSED= 14000
  NO. OF VSL NSNS PROCESSED= 15000
  NO. OF VSL NSNS PROCESSED= 16000
  NO. OF VSL NSNS PROCESSED= 17000
  NO. OF VSL NSNS PROCESSED= 18000
  NO. OF VSL NSNS PROCESSED= 19000
  NO. OF VSL NSNS PROCESSED= 20000
  NO. OF VSL NSNS PROCESSED= 21000
  NO. OF VSL NSNS PROCESSED= 22000
  NO. OF VSL NSNS PROCESSED= 23000
  NO. OF VSL NSNS PROCESSED= 24000
  NO. OF VSL NSNS PROCESSED= 25000
  NO. OF VSL NSNS PROCESSED= 26000
  NO. OF VSL NSNS PROCESSED= 27000
  NO. OF VSL NSNS PROCESSED= 28000
```

```
 NO. OF VSL NSNS PROCESSED= 29000

 NO. OF VSL READS= 29459  NO. OF APP READS=51936NO. OF MDS READS=     76  NO. OF NSNS WITH SIMPLE DIST=  6072
NBADAPPS,NIBASE,NPROCESS=  12503    665  13170
SRUCNT=335544320  NDUMMY=  581 NPICED=    6366
NSIMPDEP,NSIMP1,MAXRMDSS=   920    525   236
MXNUMDEP,MXTOTDEP=   1202  50235


   SNUMB = 76230, ACTIVITY # = 02, REPORT CODE = 74, RECORD COUNT = 000103
```

ORIGIN DATE MODULE ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION ENTRY LOCATION

SUBPROGRAMS INCLUDED IN DECK.

```
                    $      OPTION  FORTRAN                                  00280
034770 08/24N FILE ABORTED  --  OP
```

SNUMB = 76230, ACTIVITY # = 02, REPORT CODE = 52, RECORD COUNT = 000290

CONTROLBOX	1005000180825	IPSEL=	3
DRUM F/S	1005000431167	IPSEL=	3
GUN POD	1005000566753	IPSEL=	3
ARMT SYS	1005000726612	IPSEL=	3
MOTOR HYD	1005001027987	IPSEL=	3
CONTROL	1005001051083	IPSEL=	3
CONTROL AS	1005001107197	IPSEL=	3
STRUCTURE	1005001114648	IPSEL=	3
UNLOAD DRV	1005001886968	IPSEL=	3
CABLE ASSY	1005001886969	IPSEL=	3
COMP ASSY	1005002213126	IPSEL=	3
AMMO CAN	1005002213183	IPSEL=	3
FEEDER ASY	1005002213225	IPSEL=	3
DRUM INNER	1005002213325	IPSEL=	3
HOUSINGASY	1005002358299	IPSEL=	3
FEED SYS	1005002392929	IPSEL=	3
ENTRANCE	1005002499828	IPSEL=	3
HOUSING	1005002767895	IPSEL=	3
EXIT UNIT	1005002790528	IPSEL=	3
ENCLOSURE	1005002863754	IPSEL=	3
CONTROL BX	1005003268701	IPSEL=	3
CHARGER GN	1005003472304	IPSEL=	3
DRIVE HYD	1005003511849	IPSEL=	3
DRIVE HYDR	1005003601731	IPSEL=	3
ENCLOSURE	1005004317724	IPSEL=	3
MOTOR HYD	1005004455911	IPSEL=	3
MOUNT PNTL	1005004508497	IPSEL=	3
CONTROLLER	1005004626523	IPSEL=	3
HYDR DR	1005004715930	IPSEL=	3
COVER ASSY	1005004715946	IPSEL=	3
FRAME ASSY	1005005202620	IPSEL=	3
LOADER ASY	1005005267137	IPSEL=	3
HAND OFF	1005005267138	IPSEL=	3
DRUM ASSY	1005005585216	IPSEL=	3
DRUM INNER	1005005585284	IPSEL=	3
ACCESSUNIT	1005005699715	IPSEL=	3
MOTOR HYDR	1005005738197	IPSEL=	3
BOOSTER	1005005892073	IPSEL=	3
SOLENOID	1005006075981	IPSEL=	3
AMMO CAN	1005006236434	IPSEL=	3
COVER ASSY	1005006236435	IPSEL=	3
HOUSING	1005006954938	IPSEL=	3
FEEDER	1005007265650	IPSEL=	3
SWITCH	1005007314648	IPSEL=	3
ACTUATOR	1005007331301	IPSEL=	3
HOUSING	1005007388807	IPSEL=	3
VALVE	1005008796284	IPSEL=	3
ENCLOSURE	1005008840841	IPSEL=	3
	1005008890218	IPSEL=	3
HOUSING	1005008953701	IPSEL=	3
CHUTE ASSY	1005008988672	IPSEL=	3
HYD DRIVE	1005008988674	IPSEL=	3
FEEDER	1005009030751	IPSEL=	3
SUU23 POD	1005009093002	IPSEL=	3
	1005009224550	IPSEL=	3
GUNM39A3LH	1005009307786	IPSEL=	3
FEEDERASSY	1005009307787	IPSEL=	3
CYL GAS	1005009344572	IPSEL=	3
GUN M60C	1005009706111	IPSEL=	3

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MOUNT INST 1005009730375   IPSEL=   3
MOUNT ASSY 1005009736141   IPSEL=   3
TRANS UNIT 1005009738820   IPSEL=   3
AMMO BOX   1005009898996   IPSEL=   3
CONVEYOR   1005009912607   IPSEL=   3
GEAR CASE  1005009974903   IPSEL=   3
GEARCASE   1005009974922   IPSEL=   3
FEED UNIT  1005009974947   IPSEL=   3
POD SUII   1005010280626   IPSEL=   3
DRUM ASSY  1005010418667   IPSEL=   3
ROTOR END  1005010429740   IPSEL=   3
TRANSFR UT 1005010446174   IPSEL=   3
DRIVEASSY  1005010463536   IPSEL=   3
ENTRANCE   1005010502735   IPSEL=   3
DRIVE ASSY 1005010502736   IPSEL=   3
TURNAROUND 1005010522784   IPSEL=   3
ACCESSUNIT 1005010525278   IPSEL=   3
CONTROL    1005010539255   IPSEL=   3
CKT CARD   1005010539257   IPSEL=   3
CKT CARD   1005010539412   IPSEL=   3
BODY ASSY  1005010556484   IPSEL=   3
DRIVE HYDR 1005010590502   IPSEL=   3
DRUM ASSY  1005010612723   IPSEL=   3
DRUM ASSY  1005010614335   IPSEL=   3
SUPPORTASY 1005010626939   IPSEL=   3
EXIT UNIT  1005010635629   IPSEL=   3
CIRCUIT CD 1010001921608   IPSEL=   3
CIRCUIT CD 1010001921614   IPSEL=   3
ACTUATOR   1010001921619   IPSEL=   3
ACT ASSY   1010001921621   IPSEL=   3
BOX ASSY   1010002274639   IPSEL=   3
GUN 40M RH 1010002835557   IPSEL=   3
LOADER LH  1010002835558   IPSEL=   3
LOADER RH  1010003143246   IPSEL=   3
FIRE MECH  1010003143247   IPSEL=   3
CONTROL    1015006244910   IPSEL=   3
MANIFOLD   1015006245937   IPSEL=   3
M72 INIT   1377000605723   IPSEL=   3
ROTARY ACT 1377000625879   IPSEL=   3
ACTUATOR   1377001257777   IPSEL=   3
REMOVER    1377002621579   IPSEL=   3
RKT CPLT   13770030A5753   IPSEL=   3
RKT CAT    1377003922706   IPSEL=   3
G KIT      1377004079649   IPSEL=   3
C KIT      1377004087468   IPSEL=   3
CARTRIDGE  1377004698518   IPSEL=   3
GUN CABLE  1377004899460   IPSEL=   3
RKT CAT    1377005006877   IPSEL=   3
M1A3 REM   1377006285179   IPSEL=   3
M3A1 REMOV 1377006285180   IPSEL=   3
 M2A INIT  1377006285181   IPSEL=   3
M53 INIT   1377007319271   IPSEL=   3
REMOVER    1377007319272   IPSEL=   3
M32   INT  1377007528421   IPSEL=   3
G SENSOR   1377007970710   IPSEL=   3
M45 INITOR 1377008092959   IPSEL=   3
M27 INIT   1377008451058   IPSEL=   3
M16 THRU   1377008451059   IPSEL=   3
REMOVER M8 1377008579305   IPSEL=   3
ROTARY ACT 1377008643226   IPSEL=   3
ROTARY ACT 1377008915488   IPSEL=   3
ROTARY ACT 1377008916310   IPSEL=   3
ROTARY ACT 1377008916315   IPSEL=   3
INIT ASSY  1377008916319   IPSEL=   3
M2A2 THRUS 1377008998874   IPSEL=   3
M45A1 INIT 1377009269413   IPSEL=   3
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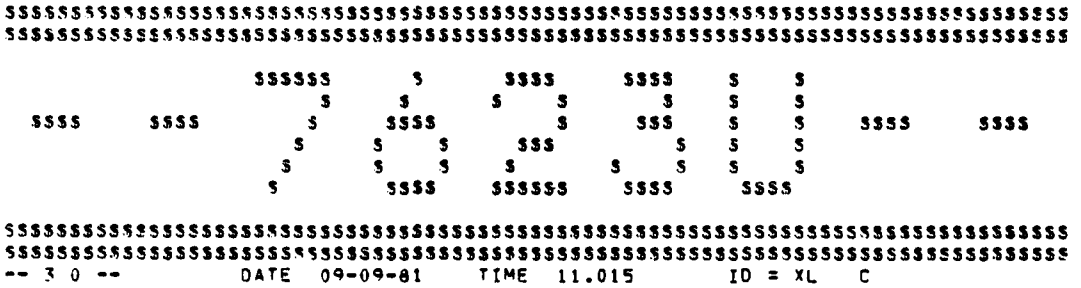
M3A2 INITR	1377009269415	IPSEL=	3
M3A3 THRUS	1377009325031	IPSEL=	3
	1377009535567	IPSEL=	3
ROCK MOTOR	1377009979241	IPSEL=	3
ROCKET MTR	1377010530586	IPSEL=	3
INITIATOR	1377010530587	IPSEL=	3
DOME	1560003094656LC	IPSEL=	3
CELL LH	1560004367591LC	IPSEL=	3
CELL RH	1560004367592LC	IPSEL=	3
CELL LH	1560004367593LC	IPSEL=	3
CELL RH	1560004367594LC	IPSEL=	3
CELL INB R	1560004367595LC	IPSEL=	3
CELL OBD R	1560004367596LC	IPSEL=	3
TANK INTER	1560004367597LC	IPSEL=	3
CELL FWD R	1560004367598LC	IPSEL=	3
FITTING	1560004367599LC	IPSEL=	3
FLOOR	1560008210878LC	IPSEL=	3
FLASK	1650004035273	IPSEL=	3
FLASK	1650004035274	IPSEL=	3
VALVE	1660000703871	IPSEL=	3
VALVE	1660001043261LS	IPSEL=	3
VALVE DIV	1660001240417	IPSEL=	3
CONTAINER	1660001691732LS	IPSEL=	3
EXCH SERVC	1660001769923LS	IPSEL=	3
FILTERASSY	1660001952729	IPSEL=	3
CIR CD CAB	1660002381362	IPSEL=	3
VALVE	1660002422487LS	IPSEL=	3
REGULATOR	1660004870108	IPSEL=	3
RELEASE AS	1660004870280	IPSEL=	3
CHAMBER AS	1660007253330	IPSEL=	3
REGULATOR	1660007399288	IPSEL=	3
HEATER	1660009271996	IPSEL=	3
VALVE	1660009705980	IPSEL=	3
MODULATOR	1660010423234	IPSEL=	3
SENSOR	1660010656644LS	IPSEL=	3
PC CARD	1670002045759BJ	IPSEL=	3
CNVYRRLR10	1670002457867	IPSEL=	3
HOUSINGASY	1670002457868	IPSEL=	3
CNVYRRLR11	1670002457922	IPSEL=	3
CNVYRRLR12	1670002495479	IPSEL=	3
RAILREST6A	1670002495480	IPSEL=	3
RAIL ASSY	1670002495506	IPSEL=	3
RAILASY 5A	1670002496420	IPSEL=	3
WINCH ASSY	1670002496434	IPSEL=	3
CNVYRRLR14	1670002534789	IPSEL=	3
RAILASY 1	1670002534792	IPSEL=	3
HOUSASYLH	1670002534795	IPSEL=	3
RAIL ASY 2	1670002534797	IPSEL=	3
RAILASY 5R	1670002558478	IPSEL=	3
HSNASSYCON	1670009474539BJ	IPSEL=	3
ACCESS UNI	1730010720833UH	IPSEL=	3
REFRIGERAT	4110004098611	IPSEL=	3
COMPRESSOR	4110004098613	IPSEL=	3
COOLER ASY	4110010385118	IPSEL=	3
COOLER ADS	4130010374566	IPSEL=	3
CASE LRTRP	4220001147870LS	IPSEL=	3
SURVIVALKT	4220004680377LS	IPSEL=	3
CYL VALVE	4240000999369LS	IPSEL=	3
SLIDE CASE	4240001064850LS	IPSEL=	3
SLIDE ASSY	4240001147863LS	IPSEL=	3
VALVE ASY	4240002429384LS	IPSEL=	3
SLIDECASAY	4240002490880LS	IPSEL=	3
SLIDESASSY	4240002534881LS	IPSEL=	3
SLIDE ASSY	4240002863659LS	IPSEL=	3
SLIDE ESCP	4240002863660LS	IPSEL=	3
RESERVOIR	4240004500571LS	IPSEL=	3

CHUTE	4240004930315LS	IPSEL=	3
SLIDE ASSY	4240009492072LS	IPSEL=	3
PUMP ASSY	4320000093755	IPSEL=	3
SEE2700AA1	4820001851041GG	IPSEL=	3
SWITCH	4920001956973AY	IPSEL=	3
STORAGE AY	4920005368895DQ	IPSEL=	3
STORAGE AY	4920005368913DQ	IPSEL=	3
STIMULI AY	4920005368932DQ	IPSEL=	3
SWITCH AY	4920005368941DQ	IPSEL=	3
SWITCH AY	4920005368948DQ	IPSEL=	3
SWITCH AY	4920005369016DQ	IPSEL=	3
INTRFCE AY	4920005369017DQ	IPSEL=	3
RSC TSTR	4920005388758DQ	IPSEL=	3
PANEL CONT	4920005403947DQ	IPSEL=	3
VOLT SECT	4920008294528DQ	IPSEL=	3
CRCTCRDASY	493500987418BBF	IPSEL=	3
CHA CAP 80	5820002549379CX	IPSEL=	3
OSCILLATOR	5820006444412CX	IPSEL=	3
MODPROUYA7	5821000367353	IPSEL=	3
CKT CARD A	594500416343GYA	IPSEL=	3
COIL RF	595000445754 7AX	IPSEL=	3
MOTOR A C	6105000979965GG	IPSEL=	3
MOTOR	6105004262237	IPSEL=	3
MOTOR	6105009321922	IPSEL=	3
REGULATOR	6110005000391	IPSEL=	3
BOXPWRDSTR	6110005535163	IPSEL=	3
REG ASY HV	6110010347217	IPSEL=	3
POWER SUP	6130000146589	IPSEL=	3
PWR SUPPLY	6130000186717	IPSEL=	3
POWRSUPPLY	6130000313379	IPSEL=	3
POWERSUPLY	6130000679732	IPSEL=	3
PWR SUPPLY	6130000976577	IPSEL=	3
PWR SUPPLY	6130001054614	IPSEL=	3
CIR CD ASY	6130001151841	IPSEL=	3
POWER SUP	6130001688552	IPSEL=	3
POWERSUPLY	6130001998259	IPSEL=	3
PWR SUPPLY	6130002734919	IPSEL=	3
PWR SUPPLY	6130002897050	IPSEL=	3
PWR SUPPLY	6130004045019	IPSEL=	3
POWER SUPP	6130004206519	IPSEL=	3
PWR SUPPLY	6130004206520	IPSEL=	3
PWRSUP 994	6130004418703	IPSEL=	3
POWER SUP	6130004534814	IPSEL=	3
POWERSUPLY	6130004981119	IPSEL=	3
POWER SUPP	6130005062034	IPSEL=	3
PWR SUPPLY	6130009167156	IPSEL=	3
POWER SUP	6130010109339	IPSEL=	3
POWER SUP	6130010162856	IPSEL=	3
POWER SUPP	6130010339490	IPSEL=	3
POWERSUPPL	6130010347231	IPSEL=	3
POWER SUPP	6130010422286	IPSEL=	3
POWER SUPP	6130010461723	IPSEL=	3
CIRCUIT CD	6130010530577	IPSEL=	3
POWER SUPP	6130010644300	IPSEL=	3
GENERATOR	662500088664788F	IPSEL=	3
CKT CARD	66250010495427Z	IPSEL=	3
CKT CARD	66250010495437Z	IPSEL=	3
CKT CARD	66250010495447Z	IPSEL=	3
CKT CARD	66250010495477Z	IPSEL=	3
CKT CARD	66250010506307Z	IPSEL=	3
CABLE ASSY	662500106A6897Z	IPSEL=	3
SWITCHMODU	66250011315897Z	IPSEL=	3
CONT PANEL	66250026240AA	IPSEL=	3
CKTCARDASY	662500407239AAY	IPSEL=	3
BOARD ASSY	662501052814AQQ	IPSEL=	3
CKT CARD	66250108A2271	IPSEL=	3

TIMERSEQ	6645000763050	IPSEL=	3
PWR SUP AD	6645001506526	IPSEL=	3
INDICATOR	6680005312988	IPSEL=	3
GAGE	6685005737407	IPSEL=	3
CKT CD	7025000041913	IPSEL=	3
CIRCUIT CD	7025000041914	IPSEL=	3
CIRCUIT CD	7025000043829	IPSEL=	3
CKT CD AY	7025000043831	IPSEL=	3
CKT CD	7025000043840	IPSEL=	3
CKT CD	7025000043846	IPSEL=	3
HD ASSY	7025000045592	IPSEL=	3
CKTCDAGM69	7025010031885	IPSEL=	3
CKT CD	7025010691269	IPSEL=	3
CKT CD	7025010691270	IPSEL=	3
CKT CD	7025010691271	IPSEL=	3
CKT CD	7025010691272	IPSEL=	3
CKT CD	7025010693739	IPSEL=	3
CKT CD	7025010748204	IPSEL=	3
PWB ASSY	7035001971925	IPSEL=	3
DATA EL AY	7045010031764	IPSEL=	3
CARD CKT	7050010550369	IPSEL=	3
COFFEE BRE	7310000039899	IPSEL=	3
OVEN FOOD	7310000657060	IPSEL=	3
OVEN ASSY	7310002259825	IPSEL=	3
OVEN	7310005168989	IPSEL=	3
OVEN AC	7310006343451	IPSEL=	3
COFFEE BRW	7310007023329	IPSEL=	3
OVEN AC	7310009278214	IPSEL=	3
OVEN	7310009958533	IPSEL=	3
GALLEYSHFL	7310010160966	IPSEL=	3
OVEN	7310010423006	IPSEL=	3
GALLEY	7310010580131	IPSEL=	3
VREAD,VMATCH=		13605	13605


-- 3 0 --
DATE 09-09-81
TIME 11.015
ID = XL C

APPENDIX G

SOURCE CODE OF THE SETUP PROGRAM

FOR A PARTICULAR BASE

```
SYSTEM ?LIST LA61A/STARS/SOURCE/DM/SETUP03

920C ** ** LA61A/STARS/SOURCE/DM/SETUP  2/4/81  FOR INPUT TO SGM
930C
940C THIS PROGRAM USES THE FOLLOWING SUBROUTINES UNDER LA61A/LMILIB
950C   PIPECMP
960C   EBOCMP
970C   DFACTLN
980C-------------------------------------
990C
1000       PARAMETER SIZE=600
1010       CHARACTER MDST*15(140),MDS*15,NSN*18,JSMDSS*15(140),IEC*2
1020       CHARACTER MDSU*15(10),NSNOUT*18(SIZE)
1030       INTEGER LOCMDS(140),BASET(599),IFHT(599),IXMDS(140),SJ
1040       INTEGER IQPAT(140),NLRMIN(256),IXBASE(256),BASEJ,JSFHT(140)
1050       INTEGER JXMDS(140),IQPA,EIGHTWDS(8),IQPAOUT(SIZE),INITSOUT(SIZE)
1060       INTEGER MMDSU(10),IQPAU(10),IFHU(10),TWOWDS(2),LIST(SIZE)
1070       INTEGER IRANK(SIZE)
1080       REAL FAPT(140),PIPE(256),BEBO(256),BSHARE(256),FAPU(10)
1090       REAL DEMANOUT(SIZE),FAPOUT(SIZE),RESUPOUT(SIZE),RPRATOUT(SIZE)
1100       REAL ENORSORT(SIZE),BNRTS(SIZE),DRESD(SIZE),BRESD(SIZE)
1110       LOGICAL MATCH
1120C
1130C
1140C*****************************************************
1150C**** BEGIN.  READ INITIAL DATA FOR TAPE 1.
1160       READ(1)IDECIDE
1170       PRINT," FOR INTERACTIVE DECISION #",IDECIDE
1180       READ(1)NUMMDS,ILAST
1190       READ(1)(MDST(I),I=1,NUMMDS)
1200       READ(1)(LOCMDS(I),I=1,NUMMDS+1)
1210       READ(1)(BASET(I),I=1,ILAST)
1220       READ(1)(IFHT(I),I=1,ILAST)
1230C**** READ BASE, FLHRS PER A/C PER DAY, AND MDS'S.
1240       READ(5,1)BASEJ
1250     1 FORMAT(V)
1260       READ(5,1)FHPERDAY
1270     2 READ(5,1,END=9)MDS
1280C---- FIND MMDS
1290       DO 5 MMDS=1,NUMMDS
1300          IF(MDS.EQ.MDST(MMDS))GO TO 7
1310     5 CONTINUE
1320       PRINT," DIDN'T USE ",MDS," BECAUSE IT WASN'T FOUND IN LIST"
1330       GO TO 2
1340C---- FOUND MMDS.  SAVE.
1350     7 NMDSU=NMDSU+1
1360       MDSU(NMDSU)=MDS
1370       MMDSU(NMDSU)=MMDS
1380       GO TO 2
1390C
1400C**** FIND FLYING HOUR PROGRAMS FOR MDSS AT BASEJ.
1410     9 IF(NMDSU.EQ.0)STOP " NMDSU=0"
```

```
      PRINT," MDSU ARRAY ",(MDSU(I),I=1,NMDSU)
      NMDSSATJ=0
      DO 19 IMDS=1,NUMMDS
         DO 16 I=LOCMDS(IMDS),LOCMDS(IMDS+1)-1
            IF(BASET(I).EQ.BASEJ)GO TO 17
   16    CONTINUE
         GO TO 19
C
C     ==== THIS MDS IS AT BASEJ.  INCREMENT NMDSSATJ AND STORE MDS DATA.
   17    NMDSSATJ=NMDSSATJ+1
         JSMDSS(NMDSSATJ)=MDST(IMDS)
         JSFHT(NMDSSATJ)=IFHT(I)
         JXMDS(NMDSSATJ)=IMDS
         DO 18 IU=1,NMDSU
            IF(IMDS.NE.MMDSU(IU))GO TO 18
            IFHU(IU)=IFHT(I)
            IUE=IUE+IFHT(I)
   18    CONTINUE
   19 CONTINUE
C---- NMDSSATJ IS THE # OF MDS'S AT BASE J.
C---- JSMDSS IS THE ARRAY OF THESE MDS'S AND JSFHT IS THE FLYING HOURS.
C---- JXMDS IS THE ARRAY OF THE INDICES OF THESE MDS'S.
      PRINT," THE MDS'S AT THIS BASE ARE",(JSMDSS(I),I=1,NMDSSATJ)
      PRINT," THE FLYING PROGRAMS ARE   ",(JSFHT(I),I=1,NMDSSATJ)
      PRINT," THE FLYING HOUR PROGRAMS FOR THE USED MDSS ARE"
      PRINT," ",(IFHU(IU),IU=1,NMDSU)
      PRINT,"  UE=",IUE
C
C
C**************************************************
C**** BEGIN NEW COMPONENT.  INITIALIZE MATCH, IQPAU, FAPU.
   20 MATCH=.FALSE.
      DO 35 IU=1,NMDSU
C
         IQPAU(IU)=0
         FAPU(IU)=0.
C
   35 CONTINUE
      READ(1,END=999)NSN,DEBO,OIMRTO,OSTRQ,IPSEL,RIP,COMPHDR,DRTIME,
     & OST,BRT,IHIT,NBASES,IEC,COST,REPRATE,BRCRQ,DDR,NBMDSS
C
      DO 50 I=1,IHIT
         READ(1)IXMDS(I),IQPAT(I),FAPT(I)
C
         DO 40 IU=1,NMDSU
            IF(IXMDS(I).EQ.MMDSU(IU))GO TO 45
   40    CONTINUE
         GO TO 50
C
   45    IF(NBASES),50,
C
C     ==== COMPONENT IS INSTALLED ON MDS OF INTEREST. SAVE DATA.
         MATCH=.TRUE.
```

```
1950         WRITE(6,1)" "
1960         WRITE(6,1)" M,IQPA,FAP=",IXMDS(I),IQPAT(I)," ",FAPT(I)
1970         IQPAU(IU)=IQPAT(I)
1980         IF(IQPAU(IU).GT.99)IQPAU(IU)=1
1990         FAPU(IU)=FAPT(I)
2000   50 CONTINUE
2010C
2020C**** IF NOT MATCHED SKIP
2030       IF(.NOT.MATCH.OR.COMPHDR.LE.0.0005)GO TO 200
2040       MATCH=.FALSE.
2050C
2060C**** READ BASE DATA, SAVING DATA FOR THIS BASE.
2070       DO 110 J=1,NBASES
2080          READ(1)IXBASE(J),PIPE(J),NLRMIN(J),BEBO(J),BSHARE(J)
2090          IF(IXBASE(J).NE.BASEJ)GO TO 110
2100C    ==== THIS BASE.  SAVE DATA AND SET MATCH.
2110          MATCH=.TRUE.
2120          PIPEJ=PIPE(J)
2130          EBOJ=BEBO(J)
2140          SJ=NLRMIN(J)
2150          SHAREJ=BSHARE(J)
2160   110 CONTINUE
2170       IF(.NOT.MATCH) GO TO 300
2180C
2190C**** READ BMDS DATA.
2200       IF(NBMDSS),20,
2210       TSHARE=0.
2220       DO 115 IBMDS=1,NBMDSS
2230          READ(1)JFORBMDS,MFORBMDS,BMDSHARE
2240C    ==== IF THIS RECORD IS FOR THIS BASE, SUM BMDSHARE OVER ALL USED.
2250          IF(BASEJ.NE.JFORBMDS)GO TO 115
2260          DO 112 IU=1,NMDSU
2270             IF(MFORBMDS.EQ.MMDSU(IU))TSHARE=TSHARE+BMDSHARE
2280   112       CONTINUE
2290          WRITE(6,1)" J,M,BMDSHARE=",JFORBMDS,MFORBMDS," ",BMDSHARE
2300C
2310   115 CONTINUE
2320       IF(SHAREJ),20,
2330       IF(PIPEJ),20,
2340       IF(SJ.EQ.0.AND.PIPEJ.GE.3.5)GO TO 400
2350C**** COMPUTE QPAM & FAP AND UPDATE TOTHDR
2360       IQPA=0
2370       TQF=0.
2380       TFHU=0.
2390       DO 120 IU=1,NMDSU
2400          TQF=TQF+IQPAU(IU)*IFHU(IU)*FAPU(IU)
2410          TFHU=TFHU+IFHU(IU)
2420          IF(IQPAU(IU).GT.IQPA)IQPA=IQPAU(IU)
2430   120 CONTINUE
2440       IF(IQPA),20,
2450       FAP=TQF/(IQPA*TFHU)
2460       TOTHDR=TOTHDR+COMPHDR*IQPA*FAP
2470C
```

```
2480C**** COMPUTE PRORATED EBO & # SPARES AND CALCULATE RESUPP
2490      PROFACT=TSHARE/SHAREJ
2495      IF(PROFACT.GT.1.)PROFACT=1.
2500      EBOOUT=EBOJ*PROFACT
2510      INITSJ=SJ*PROFACT+.5
2520      TCOST=TCOST+INITSJ*COST
2530      IF(PROFACT.GE.0.9999.OR.SJ.EQ.0.OR.EBOJ.LE.0.)GO TO 130
2540      CALL PIPECMP(EBOOUT,INITSJ,RESUPP)
2550      GO TO 140
2560  130 RESUPP=PIPEJ*PROFACT
2570C**** WRITE OUTPUT DATA
2580  140 DEMANDS=COMPHDR
2590      IF(EBOJ.LE.0.)DEBO=0.
2600      DLAMB=0.
2610      IF(OST.GT.0.)DLAMB=OSTRQ/OST
2620      BLAMB=0.
2630      IF(BRT.GT.0.)BLAMB=BRCRQ/BRT
2640      BNRTSPCT=DLAMB/(DLAMB+BLAMB)
2650      DRESDAYS=OST+DEBO*OIMRTO/DLAMB
2660      ARESDAYS=.041666667/REPRATE
2670      BRESDAYS=(ARESDAYS-BNRTSPCT*DRESDAYS)/(1.-BNRTSPCT)
2672      IF(BRESDAYS.GE.BRT-.0001)GO TO 145
2674      WRITE(6,142)BRESDAYS,BRT
2676  142 FORMAT(F8.3,".GT.",F8.3)
2678      BRESDAYS=BRT
2680  145 ENORS=9999.9
2690      IF(REPRATE.GT.0)ENORS=IUE*FHPERDAY*FAP*DEMANDS/(1.-EXP(-24.
2700     &                    *REPRATE))-FLOAT(INITSJ)/FLOAT(IQPA)
2710      NPARTS=NPARTS+1
2720      IF(NPARTS.EQ.1)WRITE(6,150)
2730      IF(ILINE.EQ.0)PRINT 150
2740  150 FORMAT("1",T27,"REMOVAL",T47,"REPAIR  INITIAL",T88,
2750     & "PRORATING  TOTAL   TOTAL    TOTAL",/," INDEX",T13,"NSN",T28,
2760     & "RATE    QPA  FAP    RATE    STOCK   RESUPPLY  EBO",T82,
2770     & "COST   FACTOR    STOCK  RESUPPLY   EBO",//)
2780      ILINE=ILINE+1
2790      IF(ILINE.EQ.50)ILINE=0
2800      PRINT 160,NPARTS,NSN,DEMANDS,IQPA,FAP,REPRATE,INITSJ,RESUPP,EBOOUT
2810     & ,COST,PROFACT,SJ,PIPEJ,EBOJ
2820  160 FORMAT(I5,2X,A18,F8.5,I4,F6.2,F9.5,I6,F12.2,F7.3,F9.0,F8.4,
2830     & I7,F11.2,F8.3)
2840      WRITE(6,160)NPARTS,NSN,DEMANDS,IQPA,FAP,RPRATE,INITSJ,RESUPP,
2850     & EBOOUT,COST,PROFACT,SJ,PIPEJ,EBOJ
2860      NSNOUT(NPARTS)=NSN
2870      DEMANOUT(NPARTS)=DEMANDS
2880      IQPAOUT(NPARTS)=IQPA
2890      FAPOUT(NPARTS)=FAP
2900      RPRATOUT(NPARTS)=REPRATE
2910      INITSOUT(NPARTS)=INITSJ
2920      RESUPOUT(NPARTS)=RESUPP
2930      ENORSORT(NPARTS)=ENORS
2940      BNRTS(NPARTS)=BNRTSPCT
2950      DRESD(NPARTS)=DRESDAYS
```

```
2960      BRESD(NPARTS)=BRESDAYS
2970      GO TO 20
2980C
2990C
3000C*************************************************
3010C**** SKIP LOGIC *********
3020C**** READ BASE DATA & BMDS DATA (IF ANY) AND SKIP.
3030  200 IF(NBASES),300,
3040      DO 250 J=1,NBASES
3050         READ(1)
3060  250 CONTINUE
3070C**** READ BMDS DATA & SKIP
3080  300 IF(NBMDSS),20,
3090      DO 350 I=1,NBMDSS
3100         READ(1)
3110  350 CONTINUE
3120      GO TO 20
3130C
3140C
3150C*************************************************
3160C**** BAD COMPONENT.  APPLICATION MISMATCH.
3170  400 PRINT," APP. MISMATCH ON ",NSN," ",COST
3180      GO TO 20
3190C
3200C
3210C*************************************************
3220C**** PRINT FINAL STATS
3230  999 CALL MSORTD(NPARTS,ENORSORT,IRANK)
3240      DO 2000 I=1,NPARTS
3250C
3260         IF(MOD(I,50).EQ.1)PRINT 1010
3270 1010 FORMAT("1",T27,"REMOVAL",T47,"REPAIR  INITIAL",T88,
3280     & "PRORATING  TOTAL   TOTAL    TOTAL   RESUPP",/," INDEX",T13,"NSN"
3290     & ,T28,"RATE    QPA  FAP    RATE    STOCK   RESUPPLY  EBO",T82,
3300     & "COST   FACTOR    STOCK  RESUPPLY   EBO   DAYS  NORS",//)
3310      IOUT=IRANK(I)
3320      PRINT 1020,I,NSNOUT(IOUT),DEMANOUT(IOUT),IQPAOUT(IOUT),
3330     & FAPOUT(IOUT),RPRATOUT(IOUT),INITSOUT(IOUT),RESUPOUT(IOUT)
3340     & ,(.04167/RPRATOUT(IOUT)),ENORSORT(IOUT)
3350 1020 FORMAT(I5,2X,A18,F8.5,I4,F6.2,F9.5,I6,F12.2,T121,2F6.2)
3360      WRITE(2)NSNOUT(IOUT),DEMANOUT(IOUT),IQPAOUT(IOUT),
3370     & FAPOUT(IOUT),INITSOUT(IOUT),RESUPOUT(IOUT)
3380     & ,BNRTS(IOUT),BRESD(IOUT),DRESD(IOUT)
3390C
3400 2000 CONTINUE
3410      PRINT 3000
3420 3000 FORMAT("1  FINAL REPORT")
3430      PRINT," FOR A TOTAL OF",NPARTS," COMPONENTS"
3440      PRINT," TOTHDR=",TOTHDR,"  TCOST=",TCOST
3450      STOP
3460      END
```

```
SYSTEM ?LIST LA61A/LMILIB/PIPECMP

930C ** ** LA61A/LMILIB/PIPECMP  2/3/81  BY FMS
940C
950C THIS SUBROUTINE USES THE FOLLOWING SUBROUTINES UNDER LA61A/LMILIB
960C   EBOCMP
970C   DFACTLN
980C-------------------------------------
990C
1000      SUBROUTINE PIPECMP(EBOIN,N,PIPE)
1010C**** THIS SUBROUTINE CONVERGES ON THE PIPELINE AT A CLAIMANT
1020C****   WHICH GIVES THE EBOIN W/ N SPARES AT THAT CLAIMANT
1030      IF(N),998,
1040      IF(EBOIN),998,
1050      FLOATN=FLOAT(N)
1060      PIPE=FLOATN+EBOIN-SQRT(FLOATN/6.28)
1070      CALL EBOCMP(PIPE,N,EBO)
1080      PIPELAST=PIPE
1090      EBOLAST=EBO
1100      PIPE=PIPE-EBO+EBOIN
1110      DO 100 I=1,200
1120         CALL EBOCMP(PIPE,N,EBO)
1130         IF(ABS(EBO-EBOIN).LT.0.00001)GO TO 999
1140      PIPEHOLD=PIPE
1150      PIPE=PIPE+(EBOIN-EBO)*(PIPE-PIPELAST)/(EBO-EBOLAST)
1160      PIPELAST=PIPEHOLD
1170      EBOLAST=EBO
1180  100 CONTINUE
1190      PRINT," PIPECMP DIDN'T CONVERGE AFTER 200 ITERATIONS "
1200      PRINT," PIPE,N,EBOIN,EBOLAST=",PIPE,N,EBOIN,EBO
1210      CALL EBOCMP(PIPE,N,EBO)
1220      PRINT," EBONOW=",EBO
1230      GO TO 999
1240  998 PIPE=EBOIN
1250  999 RETURN
1260      END
```

```
SYSTEM ?LIST LA61A/LMILIB/EBOCMP

940C ** ** LA61A/LMILIB/EBOCMP  2/3/81  BY FMS
950C
960C THIS SUBROUTINE USES THE FOLLOWING SUBROUTINES UNDER LA61A/LMILIB
970C   DFACTLN
980C-----------------------------------------
990C
1000      SUBROUTINE EBOCMP(PIPE,N,EBO)
1010C**** THIS SUBROUTINE COMPUTES THE EBO AT A CLAIMANT AS A FUNCTION
1020C****  OF THE PIPELINE AND THE # OF SPARES "N".
1030C
1040      FLOATN=FLOAT(N)
1050      I=N+1
1060      FLOATI=FLOATN+1.
1070      EBO=0.
1080      IF(PIPE),200,
1090      POFILOG=FLOATI*ALOG(PIPE)-PIPE-SNGL(DFACTLN(I))
1100      IF(POFILOG.GE.-25.) GO TO 100
1110      IF(FLOATN.LT.PIPE)EBO=PIPE-FLOATN
1120      GO TO 200
1130C
1140C**** COMPUTE EBO
1150  100 POFI=EXP(POFILOG)
1160      TRMTOADD=POFI
1170C
1180C**** SUM EBO UNTIL TERMS DIMINISH BELOW ACCURACY OF ADD
1190  150 EBO=EBO+TRMTOADD
1200      FLOATI=FLOATI+1.
1210      POFI=POFI*PIPE/FLOATI
1220      TRMTOADD=(FLOATI-FLOATN)*POFI
1230      IF(TRMTOADD.GT.5.E-9*EBO)GO TO 150
1240C
1250C**** DONE
1260  200 RETURN
1270      END
```

```
SYSTEM ?LIST LA61A/LMILIB/DFACTLN

980C ** ** LA61A/LMILIB/DFACTLN  BY MJK
990C
1000       DOUBLE PRECISION FUNCTION DFACTLN(N)
1010C***
1020C*****    THIS FUNCTION COMPUTES THE LOGARITHM (BASE E) OF
1030C***** 'N' FACTORIAL.
1040C***
1050       PARAMETER MAXTBLE=30
1060       IMPLICIT DOUBLE PRECISION(D)
1070       DIMENSION DTABLE(MAXTBLE)
1080       EQUIVALENCE (DTABLE(0),DZERO)
1090C***  *DSIGMA IS A CONSTANT = LN(SQRT(2*PI))
1100       DATA DSIGMA/.91893 85332 04672 74178D0 /
1110C***  *DZERO IS THE LOGARITHM (BASE E) OF 0!
1120       DATA DZERO/0.0D0/
1130C***  *DTABLE(I) IS THE LOGARITHM (BASE E) OF I!
1140       DATA DTABLE/
1150      &                  0.0D0,
1160      & .69314718055994531D0,
1170      & .17917594692280550D1,
1180      & .31780538303479456D1,
1190      & .47874917427820459D1,
1200      & .65792512120101009D1,
1210      & .85251613610654143D1,
1220      & .10604602902745250D2,
1230      & .12801827480081469D2,
1240      & .15104412573075515D2,
1250      & .17502307845873885D2,
1260      & .19987214495661886D2,
1270      & .22552163853123422D2,
1280      & .25191221182738681D2,
1290      & .27899271383840891D2,
1300      & .30671860106080672D2,
1310      & .33505073450136888D2,
1320      & .36395445208033053D2,
1330      & .39339884187199494D2,
1340      & .42335616460753485D2,
1350      & .45380138898476908D2,
1360      & .48471181351835223D2,
1370      & .51606675567764373D2,
1380      & .54784729398112319D2,
1390      & .58003605222979157D2,
1400      & .61261701761002002D2,
1410      & .64557538627006331D2,
1420      & .67889743137181534D2,
1430      & .71257038967168009D2,
1440      & .74658236348830164D2
1450      &/
1460C***
1470C***       *IF(N IS WITHIN THE TABLE LIMITS)
```

```
1480          IF((N.LT.0) .OR. (N.GT.MAXTBLE)) GO TO 100
1490C***
1500C***        *RETURN TABLE VALUE
1510             DFACTLN = DTABLE(N)
1520C***
1530C***       *ELSE (USE STIRLING'S APPROXIMATION - SEE KNUTH VOL 1,P 111)
1540           GO TO 200
1550  100      CONTINUE
1560C***
1570C***        *COMPUTE VARIOUS PARTS NEEDED FOR THE APPROXIMATION
1580             DPN = DBLE(FLOAT(N))
1590             DFACTLN = (DPN + .5D0)*DLOG(DPN) - DPN + DSIGMA
1600&                    + 1.0D0/(12.0D0*DPN)
1610&                    - 1.0D0/(360.0D0*DPN*DPN*DPN)
1620C***
1630C***       *END IF (TABLE LIMITS TEST)
1640  200      CONTINUE
1650C***
1660       RETURN
1670       END
```

APPENDIX H

SOURCE CODE OF THE SETUP PROGRAM

FOR A NOTIONAL BASE

```
SYSTEM ?LIST LA61A/STARS/SOURCE/DM/SETUPN03

920C ** ** LA61A/STARS/SOURCE/DM/SETUP  2/4/81  FOR INPUT TO SGM
930C
940C THIS PROGRAM USES THE FOLLOWING SUBROUTINES UNDER LA61A/LMILIB
950C   PIPECMP
960C   EBOCMP
970C   DFACTLN
980C-------------------------------------
990C
1000      PARAMETER SIZE=600
1010      CHARACTER MDST*15(140),MDS*15,NSN*18,JSMDSS*15(140),IEC*2
1020      CHARACTER MDSU*15(10),NSNOUT*18(SIZE)
1030      INTEGER LOCMDS(140),BASET(599),IFHT(599),IXMDS(140),SJ
1040      INTEGER IQPAT(140),NLRMIN,IXBASE,BASEJ,JSFHT(140)
1050      INTEGER JXMDS(140),IQPA,EIGHTMDS(8),JINGROUP(256)
1060      INTEGER MMDSU(10),IQPAU(10),IFHU(10),TWOMDS(2)
1070      INTEGER IQPAOUT(SIZE),INITSOUT(SIZE),LIST(SIZE),IRAN#(SIZE)
1080      REAL FAPT(140),PIPE,BEBU,BSHARE,FAPU(10)
1090      REAL DEMANOUT(SIZE),FAPOUT(SIZE),RPRATOUT(SIZE),RESPOUT(SIZE)
1100      REAL ENORSORT(SIZE),BNRTS(SIZE),DRESD(SIZE),BRESP(SIZE)
1110      LOGICAL MATCH
1120C
1130C
1140C*****************************************************
1150C**** BEGIN.  READ INITIAL DATA FOR TAPE 1.
1160      READ(1)IDECIDE
1170      PRINT,' FOR INTERACTIVE DECISION #',IDECIDE
1180      READ(1)NUMMDS,ILAST
1190      READ(1)(MDST(I),I=1,NUMMDS)
1200      READ(1)(LOCMDS(I),I=1,NUMMDS+1)
1210      READ(1)(BASET(I),I=1,ILAST)
1220      READ(1)(IFHT(I),I=1,ILAST)
1230C**** READ FLHRS PER A/C PER DAY, AND MDS'S.
1240      READ(5,1)FHPERDAY
1250    1 FORMAT(V)
1260    2 READ(5,1,END=9)MDS
1270C---- FIND MMDS
1280      DO 5 MMDS=1,NUMMDS
1290         IF(MDS.EQ.MDST(MMDS))GO TO 7
1300    5 CONTINUE
1310      PRINT,' DIDN'T USE ',MDS,' BECAUSE IT WASN'T FOUND IN LIST'
1320      GO TO 2
1330C---- FOUND MMDS.  SAVE.
1340    7 NMDSU=NMDSU+1
1350      MDSU(NMDSU)=MDS
1360      MMDSU(NMDSU)=MMDS
1370      DO 8 I=LOCMDS(MMDS),LOCMDS(MMDS+1)-1
1380         IFHU(NMDSU)=IFHU(NMDSU)+IFHT(I)
1390         IUE=IUE+IFHT(I)
1400    8 CONTINUE
1410      GO TO 2
```

```
1420C
1430    9 PRINT," THE FLYING HOUR PROGRAMS FOR THE USED MDSS ARE"
1440      PRINT," ",(IFHU(IU),IU=1,NMDSU)
1450      PRINT,"  UE=",IUE
1460C
1470C
1480C*************************************************
1490C**** BEGIN NEW COMPONENT.  INITIALIZE MATCH, IQPAU, FAPU.
1500   20 MATCH=.FALSE.
1510      DO 35 IU=1,NMDSU
1520C
1530         IQPAU(IU)=0
1540         FAPU(IU)=0.
1550C
1560   35 CONTINUE
1570      READ(1,END=999)NSN,DEBQ,QIMRTQ,QSTRQ,IPSEL,RIP,COMPHDR,DRTIME,
1580     & QST,BRT,IHIT,NBASES,IEC,COST,REPRATE,BRCRQ,DDR,NBMDSS
1590C
1600      DO 50 I=1,IHIT
1610         READ(1)IXMDS(I),IQPAT(I),FAPT(I)
1620C
1630         DO 40 IU=1,NMDSU
1640            IF(IXMDS(I).EQ.MMDSU(IU))GO TO 45
1650   40    CONTINUE
1660         GO TO 50
1670C
1680   45    IF(NBASES),50,
1690C
1700C    === COMPONENT IS INSTALLED ON MDS OF INTEREST. SAVE DATA.
1710         MATCH=.TRUE.
1720         WRITE(6,1)" "
1730         WRITE(6,1)" M,IQPA,FAP=",IXMDS(I),IQPAT(I),"  ",FAPT(I)
1740         IQPAU(IU)=IQPAT(I)
1750         IF(IQPAU(IU).GT.99)IQPAU(IU)=1
1760         FAPU(IU)=FAPT(I)
1770   50 CONTINUE
1780C
1790C**** IF NOT MATCHED SKIP
1800      IF(.NOT.MATCH.OR.COMPHDR.LE.0.0005)GO TO 200
1810      MATCH=.FALSE.
1820C
1830C**** READ BASE DATA, SAVING DATA FOR THIS BASE.
1840      TPIPE=0.
1850      TBEBO=0.
1860      NTSPARES=0
1870      DO 110 J=1,NBASES
1880         READ(1)IXBASE,PIPE,NLRMIN,BEBO,BSHARE
1890         TBEBO=TBEBO+BEBO
1900         NTSPARES=NTSPARES+NLRMIN
1910         TPIPE=TPIPE+PIPE
1920  110 CONTINUE
1930C
1940C**** READ BMDS DATA.
```

```
      IF(NBMDSS),20,
      TSHARE=0.
      NINGROUP=0
      DO 115 IBMDS=1,NBMDSS
         READ(1)JFORBMDS,MFORBMDS,BMDSHARE
         DO 111 IU=1,NMDSU
            IF(MFORBMDS.EQ.MMDSU(IU).AND.IQPAU(IU).GT.0)GO TO 112
  111    CONTINUE
         GO TO 115
C
C     ==== IMPORTANT BMDS SUM TSHARE AND UPDATE NINGROUP
  112    TSHARE=TSHARE+BMDSHARE
         IF(NINGROUP),114,
         DO 113 I=1,NINGROUP
            IF(JINGROUP(I).EQ.JFORBMDS)GO TO 115
  113    CONTINUE
C
C     ==== NEW BASE.  INCREMENT NINGROUP AND STORE J
  114    NINGROUP=NINGROUP+1
         JINGROUP(NINGROUP)=JFORBMDS
C
  115 CONTINUE
      IF(TSHARE),20,
      IF(NINGROUP),20,
      IF(TPIPE),20,
      IF(NTSPARES.EQ.0.AND.TBEBO*TSHARE.GT.3.5*NINGROUP)GO TO 400
C**** COMPUTE QPAM & FAP AND UPDATE TOTHDR
      IQPA=0
      TQF=0.
      TFHU=0.
      DO 120 IU=1,NMDSU
         TQF=TQF+IQPAU(IU)*IFHU(IU)*FAPU(IU)
         TFHU=TFHU+IFHU(IU)
         IF(IQPAU(IU).GT.IQPA)IQPA=IQPAU(IU)
  120 CONTINUE
      IF(IQPA),20,
      FAP=TQF/(IQPA*TFHU)
      TOTHDR=TOTHDR+COMPHDR*IQPA*FAP
C
C**** COMPUTE PRORATED EBO & # SPARES AND CALCULATE RESUPP
      PROFACT=TSHARE/NINGROUP
      EBOOUT=TBEBO*PROFACT
      INITSJ=NTSPARES*PROFACT+0.5
      TCOST=TCOST+INITSJ*COST
      IF(PROFACT.GE.0.9999.OR.INITSJ.EQ.0.OR.TBEBO.LE.0.)GO TO 130
      CALL PIPECMP(EBOOUT,INITSJ,RESUPP)
      GO TO 140
  130 RESUPP=TPIPE*PROFACT
C**** WRITE OUTPUT DATA
  140 DEMANDS=COMPHDR
      RPRATE=REPRATE
      IF(TBEBO.LE.0.)DEBO=0.
      DLAMB=0.
```

```
2470      IF(OST.GT.0.)DLAMB=OSTRQ/OST
2480      BLAMB=0.
2490      IF(BRT.GT.0.)BLAMB=BRCRQ/BRT
2500      BNRTSPCT=DLAMB/(DLAMB+BLAMB)
2510      DRESDAYS=OST+DEBO*OIMRTO/DLAMB
2520      ARESDAYS=.041666667/REPRATE
2530      BRESDAYS=(ARESDAYS-BNRTSPCT*DRESDAYS)/(1.-BNRTSPCT)
2540      ENORS=9999.9
2550      IF(RPRATE.GT.0.)
2560     &ENORS=IUE*FHPERDAY*FAP*DEMANDS/(NINGROUP*(1.-EXP(-24.*RPRATE)))
2570     &  -FLOAT(INITSJ)/FLOAT(IQPA)
2580      NPARTS=NPARTS+1
2590      IF(NPARTS.EQ.1)WRITE(6,150)
2600      IF(ILINE.EQ.0)PRINT 150
2610  150 FORMAT("1",T27,"REMOVAL",T47,"REPAIR  INITIAL",T88,
2620     & "PRORATING  TOTAL   TOTAL    TOTAL",/," INDEX",T13,"NSN",T28,
2630     & "RATE    QPA  FAP    RATE    STOCK   RESUPPLY  EBO",T82,
2640     & "COST   FACTOR    STOCK  RESUPPLY   EBO  NBASES",//)
2650      ILINE=ILINE+1
2660      IF(ILINE.EQ.50)ILINE=0
2670      PRINT 160,NPARTS,NSN,DEMANDS,IQPA,FAP,RPRATE,INITSJ,RESUPP,EBOOUT
2680     & ,COST,PROFACT,NTSPARES,TPIPE,TBEBO,NINGROUP
2690  160 FORMAT(I5,2X,A18,F8.5,I4,F6.2,F9.5,I6,F12.2,F7.3,F9.0,F8.4,
2700     & I7,F11.2,F8.3,I5)
2710      WRITE(6,160)NPARTS,NSN,DEMANDS,IQPA,FAP,RPRATE,INITSJ,RESUPP,
2720     & EBOOUT,COST,PROFACT,NTSPARES,TPIPE,TBEBO,NINGROUP
2730      NSNOUT(NPARTS)=NSN
2740      DEMANOUT(NPARTS)=DEMANDS
2750      IQPAOUT(NPARTS)=IQPA
2760      FAPOUT(NPARTS)=FAP
2770      RPRATOUT(NPARTS)=RPRATE
2780      INITSOUT(NPARTS)=INITSJ
2790      RESUPOUT(NPARTS)=RESUPP
2800      ENORSORT(NPARTS)=ENORS
2810      BNRTS(NPARTS)=BNRTSPCT
2820      DRESD(NPARTS)=DRESDAYS
2830      BRESD(NPARTS)=BRESDAYS
2840      GO TO 20
2850C
2860C
2870C**************************************************
2880C**** SKIP LOGIC *********
2890C**** READ BASE DATA & BMDS DATA (IF ANY) AND SKIP.
2900  200 IF(NBASES),300,
2910      DO 250 J=1,NBASES
2920         READ(1)
2930  250 CONTINUE
2940C**** READ BMDS DATA & SKIP
2950  300 IF(NBMDSS),20,
2960      DO 350 I=1,NBMDSS
2970         READ(1)
2980  350 CONTINUE
2990      GO TO 20
```

```
3000C
3010C
3020C*****************************************
3030C**** BAD COMPONENT.  APPLICATION MISMATCH.
3040  400 PRINT," APP. MISMATCH ON ",NSN," ",COST
3050      GO TO 20
3060C
3070C
3080C*****************************************
3090C**** PRINT FINAL STATS
3100  999 CALL MSORTD(NPARTS,ENORSORT,IRANK)
3110      DO 2000 I=1,NPARTS
3120C
3130         IF(MOD(I,50).EQ.1)PRINT 1010
3140 1010 FORMAT("1",T27,"REMOVAL",T47,"REPAIR  INITIAL",T88,
3150     & "PRORATING  TOTAL   TOTAL    TOTAL   RESUPP",/," INDEX",T13,"NSN"
3160     & ,T28,"RATE    QPA  FAP    RATE    STOCK   RESUPPLY  EBO",T82,
3170     & "COST   FACTOR    STOCK  RESUPPLY   EBO   DAYS  NORS",//)
3180      IOUT=IRANK(I)
3190      PRINT 1020,I,NSNOUT(IOUT),DEMANOUT(IOUT),IQPAOUT(IOUT),
3200     & FAPOUT(IOUT),RPRATOUT(IOUT),INITSOUT(IOUT),RESUPOUT(IOUT)
3210     & ,(.04167/RPRATOUT(IOUT)),ENORSORT(IOUT)
3220 1020 FORMAT(I5,2X,A18,F8.5,I4,F6.2,F9.5,I6,F12.2,T121,2F6.2)
3230      WRITE(2)NSNOUT(IOUT),DEMANOUT(IOUT),IQPAOUT(IOUT),
3240     & FAPOUT(IOUT),INITSOUT(IOUT),RESUPOUT(IOUT)
3250     & ,BNRTS(IOUT),BRESD(IOUT),DRESD(IOUT)
3260C
3270 2000 CONTINUE
3280      PRINT 3000
3290 3000 FORMAT("1  FINAL REPORT")
3300      PRINT," FOR A TOTAL OF",NPARTS," COMPONENTS"
3310      PRINT," TOTHDR=",TOTHDR,"  TCOST=",TCOST
3320      STOP
3330      END
```

```
SYSTEM ?LIST LA61A/LMILIB/PIPECMP

930C ** ** LA61A/LMILIB/PIPECMP  2/3/81  BY FMS
940C
950C THIS SUBROUTINE USES THE FOLLOWING SUBROUTINES UNDER LA61A/LMILIB
960C   EBOCMP
970C   DFACTLN
980C-------------------------------------
990C
1000      SUBROUTINE PIPECMP(EBOIN,N,PIPE)
1010C**** THIS SUBROUTINE CONVERGES ON THE PIPELINE AT A CLAIMANT
1020C****   WHICH GIVES THE EBOIN W/ N SPARES AT THAT CLAIMANT
1030      IF(N),998,
1040      IF(EBOIN),998,
1050      FLOATN=FLOAT(N)
1060      PIPE=FLOATN+EBOIN-SQRT(FLOATN/6.28)
1070      CALL EBOCMP(PIPE,N,EBO)
1080      PIPELAST=PIPE
1090      EBOLAST=EBO
1100      PIPE=PIPE-EBO+EBOIN
1110      DO 100 I=1,200
1120         CALL EBOCMP(PIPE,N,EBO)
1130         IF(ABS(EBO-EBOIN).LT.0.00001)GO TO 999
1140      PIPEHOLD=PIPE
1150      PIPE=PIPE+(EBOIN-EBO)*(PIPE-PIPELAST)/(EBO-EBOLAST)
1160      PIPELAST=PIPEHOLD
1170      EBOLAST=EBO
1180  100 CONTINUE
1190      PRINT," PIPECMP DIDN'T CONVERGE AFTER 200 ITERATIONS "
1200      PRINT," PIPE,N,EBOIN,EBOLAST=",PIPE,N,EBOIN,EBO
1210      CALL EBOCMP(PIPE,N,EBO)
1220      PRINT," EBONOW=",EBO
1230      GO TO 999
1240  998 PIPE=EBOIN
1250  999 RETURN
1260      END
```

```
SYSTEM ?LIST LA61A/LMILIB/EBOCMP

940C ** ** LA61A/LMILIB/EBOCMP  2/3/81  BY FMS
950C
960C THIS SUBROUTINE USES THE FOLLOWING SUBROUTINES UNDER LA61A/LMILIB
970C   DFACTLN
980C-----------------------------------------
990C
1000       SUBROUTINE EBOCMP(PIPE,N,EBO)
1010C**** THIS SUBROUTINE COMPUTES THE EBO AT A CLAIMANT AS A FUNCTION
1020C****  OF THE PIPELINE AND THE # OF SPARES "N".
1030C
1040       FLOATN=FLOAT(N)
1050       I=N+1
1060       FLOATI=FLOATN+1.
1070       EBO=0.
1080       IF(PIPE),200,
1090       POFILOG=FLOATI*ALOG(PIPE)-PIPE-SNGL(DFACTLN(I))
1100       IF(POFILOG.GE.-25.) GO TO 100
1110       IF(FLOATN.LT.PIPE)EBO=PIPE-FLOATN
1120       GO TO 200
1130C
1140C**** COMPUTE EBO
1150   100 POFI=EXP(POFILOG)
1160       TRMTOADD=POFI
1170C
1180C**** SUM EBO UNTIL TERMS DIMINISH BELOW ACCURACY OF ADD
1190   150 EBO=EBO+TRMTOADD
1200       FLOATI=FLOATI+1.
1210       POFI=POFI*PIPE/FLOATI
1220       TRMTOADD=(FLOATI-FLOATN)*POFI
1230       IF(TRMTOADD.GT.5.E-9*EBO)GO TO 150
1240C
1250C**** DONE
1260   200 RETURN
1270       END
```

```
SYSTEM ?LIST LA61A/LMILIB/DFACTLN

980C ** ** LA61A/LMILIB/DFACTLN  BY MJK
990C
1000       DOUBLE PRECISION FUNCTION DFACTLN(N)
1010C***
1020C*****    THIS FUNCTION COMPUTES THE LOGARITHM (BASE E) OF
1030C***** 'N' FACTORIAL.
1040C***
1050       PARAMETER MAXTBLE=30
1060       IMPLICIT DOUBLE PRECISION(D)
1070       DIMENSION DTABLE(MAXTBLE)
1080       EQUIVALENCE (DTABLE(0),DZERO)
1090C***  *DSIGMA IS A CONSTANT = LN(SQRT(2*PI))
1100       DATA DSIGMA/.91893 85332 04672 74178D0 /
1110C***  *DZERO IS THE LOGARITHM (BASE E) OF 0!
1120       DATA DZERO/0.0D0/
1130C***  *DTABLE(I) IS THE LOGARITHM (BASE E) OF I!
1140       DATA DTABLE/
1150      &                0.0D0,
1160      & .69314718055994531D0,
1170      & .17917594692280550D1,
1180      & .31780538034794562D1,
1190      & .47874917427820459D1,
1200      & .65792512120101099D1,
1210      & .85251613610654143D1,
1220      & .10604602902745250D2,
1230      & .12801827480081469D2,
1240      & .15104412573075515D2,
1250      & .17502307845873885D2,
1260      & .19987214495661886D2,
1270      & .22552163853123422D2,
1280      & .25191221182738681D2,
1290      & .27899271383840891D2,
1300      & .30671860106080672D2,
1310      & .33505073450136888D2,
1320      & .36395445208033053D2,
1330      & .39339884187199494D2,
1340      & .42335616460753485D2,
1350      & .45380138898476908D2,
1360      & .48471181351835223D2,
1370      & .51606675567764373D2,
1380      & .54784729398112319D2,
1390      & .58003605222979157D2,
1400      & .61261701761002002D2,
1410      & .64557538627006331D2,
1420      & .67889743137181534D2,
1430      & .71257038967168009D2,
1440      & .74658236348830164D2
1450      &/
1460C***
1470C***      *IF(N IS WITHIN THE TABLE LIMITS)
1480           IF((N.LT.0) .OR. (N.GT.MAXTBLE)) GO TO 100
```

```
1490C***
1500C***        *RETURN TABLE VALUE
1510             DFACTLN = DTABLE(N)
1520C***
1530C***      *ELSE (USE STIRLING'S APPROXIMATION - SEE KNUTH VOL 1,P 111)
1540           GO TO 200
1550  100      CONTINUE
1560C***
1570C***        *COMPUTE VARIOUS PARTS NEEDED FOR THE APPROXIMATION
1580             DPN = DBLE(FLOAT(N))
1590             DFACTLN = (DPN + .5D0)*DLOG(DPN) - DPN + DSIGMA
1600&                     + 1.0D0/(12.0D0*DPN)
1610&                     - 1.0D0/(360.0D0*DPN*DPN*DPN)
1620C***
1630C***      *END IF (TABLE LIMITS TEST)
1640  200      CONTINUE
1650C***
1660       RETURN
1670       END
```

APPENDIX J

SAMPLES OF AN SGM SPARES DATA BASE FOR A PARTICULAR BASE

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

 $$$$$$            $             $$$$$           $$$$            $    $
     $            $$             $              $    $           $    $
    $              $             $$$$$          $    $           $    $
   $               $                  $          $$$$            $    $
  $                $             $    $            $             $    $
 $                $$$             $$$$            $               $$$$

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


$$    7159U ENTERED C       AT 11.796 FROM TSS/S   0-08-12


0001  $       SNUMB   7159U
0002  $       COMMENT OS29SLAY         TSS CARDIN
0003  $$      USERID  OS29SLAY$##########
0004  $       IDENT   OS2011N232D ,OS29USLAY                                          0110
0005  $       NOTE    SET1UP RUN FOR ABELL                                             120
0006  $       OPTION  FORTRAN                                                        00130
0007  $$      SELECT  LA61A/STARS/OBJECT/DM/SETUP.O                                  00140
0008* $       OBJECT   LA61A/STARS/SOURCE/DM/SETUP  2/4/81  FOR I Y14.409090381......00
0010  $$      SELECT  LA61A/LMILIB.O/PIPECMPO                                        00150
0011* $       OBJECT   LA61A/LMILIB/PIPECMP  2/3/81  BY FMS        Y13.749090581PIPECM00
0013  $$      SELECT  LA61A/LMILIB.O/EBOCMP.O                                        00160
0014* $       OBJECT   LA61A/LMILIB/EBOCMP  2/3/81  BY FMS         Y13.762090581FBOCMP00
0016  $$      SELECT  LA61A/LMILIB.O/DFACTLNO                                        00170
0017* $       OBJECT   LA61A/LMILIB/DFACTLN  BY MJK                Y14.983020781DFACTL00
0019  $$      SELECT  LA61A/LMILIB.O/MSORTD.O                                        00175
0020* $       OBJECT   LA61A/LMILIB/MSORTD  3/6/81  BY MJK         Y23.249030581MSORTD00
0022 A$       EXECUTE                                                               000180
0023  $       LIMITS  39,25K,,10K                                                    00190
0024  $       TAPE9   01,A1DD,,26393,,###                                             0200
0025  $$      PRMFL   02,N,S,LA61A/SLAY/DATA/F4/SEYMOUR                               0210
0026  $       DATA    05                                                               220
0027  $       ENDJOB                                                                000250
  TOTAL CARD COUNT THIS JOB = 000160


 * BEGIN ACTIVITY -01-  GFLOAD    09/07/81    SW=000000000000
INPUT STARTED      WITH #26393  FOR FILE CODE 01 GE  600 BTL   AFDSC 26393 26393  0001 81248    000DISTM
  * NORMAL TERMINATION      AT 016053 I=5000 SW=000000000000

      START 11.833      LINES   3235      PROC  0.0857        I/O   0.028    IU  5   MEMORY   25K
      STOP  11.955      LIMIT  10240      LIMIT 0.3900      LIMIT            CU  5   M*T     11860
      SNAP   0.000
      LAPSE  0.122   FC D TYPE      BUSY     IP/AT     FP/RT     IS/#C MS/#E    ADDRESS T#

                     05 R 0191 *       5         0         1         1     1    0-08-12
                     R* R 0191 *     117         0         0        13    13    0-08-12
                     01 D TAP9     95850                0/03      7116     0    0-16-02 #26393
                     02 R 0191 P     166         0        11        13    13    0-08-15
                     P*  SYOUT
                     L* R 0191 *     915         0         0       624  624R    0-08-02

       LIST    118 LINES AT STA.  XL
       RC-52   543 LINES AT STA.  XL
       RC-06  2534 LINES AT STA.  XL
```

PROCESSOR	I/O	CORE	TOTAL
$ 2.74	$ 1.65	$ 5.42	$ 9.81

SNUMB = 71590, ACTIVITY # = 01, REPORT CODE = 74, RECORD COUNT = 000118

ORIGIN	DATE	MODULE	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION

SUBPROGRAMS INCLUDED IN DECK.

		$	OPTION	FORTRAN			00130
057674	04/03/81	....	.....	057674			
		.DATA.		026560			
026352	09/05/81	PIPE	PIPECM	026352			
		.DATA.		026310			
026170	09/05/81	EBUF	EBUCMP	026170			
		.DATA.		026150			
026064	02/07/81	DEAC	DEACTL	026064			
		.DATA.		025730			
025626	03/05/81	MSOR	MSORTD	025626			

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

025344	05/17/73	FDLG	.DLOG1	025352	.DLOGD	025345	DLOG10	025344	DLOG	025351	
025254	05/17/73	FSQR	.SQRT1	025256	SQRT	025254					
025116	05/18/73	FALG	.ALOG1	025126	.ALOGT	025120	ALOG10	025115	ALOG	025124	
025010	05/18/73	FEXP	.EXP1	025010	EXP	025006					
023666	11/08/73	FRDB	.FRDB.	024215	.FWRR.	023754	.FBLT.	024526	.FBDT.	024514	.FRLR. 024420
			.FWLR.	024446	.FBBC.	024363	.FBBCA	024361			
023340	05/18/73	FRDD	.FRDD.	023510	.FWRD.	023511	.FPUN.	023512	.FENC.	023513	.FDEC. 023514
			.FRCD.	023515	.FPRN.	023516	.FRTN.	023517	.FFIL.	023520	.DBCNV 023521
			.BDCNV	023543	..ABLK	023353	.QCOMP	023402	..LNSZ	023412	..A37R 023507
			.PRNIT	023355	.ASTRK	023662	..TC	023357	.POINT	023377	.SIGN 023400
			.FRMTR	023562	.FRMTZ	023562	.PUINT	023356	.FILL	023410	..A2 023344
			.FXMC.	023341	..A7	023406	..A1	023344	..A3	023350	..A4 023404
			..A8	023410	..A9	023413	..A13	023414	..A14	023415	..A15 023416
			..A17	023417	..A18	023344	..A21	023422	..A24	023344	..A30 023561
			..A31	023433	..A27	023430	..A32	023456	..A33	023460	..A34 023461
			..A35	023462	..A37	023503	..A51	023342	..A52	023340	.LPRCH 023346
			.CMACH	023347	.FCHR	023350	.DCT60	023345	.OPPRT	023351	.OPPRF 023352
			.LWRT	023351	.LWRF	023352	.RCW18	023432			
017770	04/11/77	FDIO	.FRD	022551	.FWRT	022465	.FPN	022460	.FNC	022672	.FDC 022715
			.FCD	022551	.FPR	022465	.FFL	022655	.FRT	022642	.IO1 022320
			.IOS	022413	.LBCTR	023255	.LFDBC	023330	.FCNVI	020566	.FCNVR 020575
			.FCNV2	020660	.SKPR1	020546	.IOCTR	023332	.CKSTA	020753	.FMSC1 020023
			.FMSC2	020011	.FMSC4	020026	.FMSC5	020063	.FMSC6	020035	.FFFLG 023331
			.SVRG	017774	.RETIN	020007	.GTARG	022475	.SXIT	020100	.LNBGN 022743
			.SKPR4	020555	.VLIST	020504	.CSCEP	020116	.CFEXD	020106	.CFFLT 020170
			.CDELT	020167	.CSLSH	022304	.CDCPT	020667	.CSCFM	020114	.CCMMA 020132
			.CRPAR	020226	.CLPAR	020172	.LBUFF	023256	.SKPR3	020562	.CKSTP 020735
			..CRST	020745	.DATUM	023240	..STOP	021130	.VCOMA	021554	..CCR 021567
			.CNI	020770	.FWSZ	023320	.FCNV.	020645	.STP	021123	.FCNVD 020604
			.FCNVI	020614	.FCNVC	020623					
017716	05/15/73	FEOF	.FEOF.	017716							
017552	04/11/77	FSLW	.FSLFW	017552							
017230	05/09/73	FXFM	FXFM	017241	.FXFM.	017240	.F.XF	017251	F.XMC	017400	.TAB1 017530
			.LSTMS	017540	.KIND	017350	.BUGG	017353	.MXERR	017242	..FX1 017244
			..FX2	017266	..FX3	017274	..FX10	017363	.LRG	017310	..FX8 017274

ORIGIN	DATE	MODULE	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION
			..FX9 017265	.CLLR 017504	.EYDEL 017506	..FX4 017276	..FX5 017275
			..FX6 017341	..FX7 017370			
016070	04/11/77	FXER	.FXM. 016110	F.XM 016544	ANYERR 016713	FXOPT 016575	FXOVCK 016635
			.FGERR 016566	FXALT 016652	.FXALT 016664	S.REG. 016100	FXOV 017170
			FXFOV 017166	FXCODE 016523	.TSMS 016666	.MSX 016672	.FXPNT 016424
			.FXTRC 016177	.FXSW1 016524	.FXSW2 016530	.FXSW3 016534	ERRLK 016721
			.FLTPR 016723				
016010	05/30/73	FXIT	.FEXIT 016010	FXIT 016010	.JEXIT 016010	JEXIT 016010	
015230	04/11/77	FOPE	.FOPEN 015257	.FBAD. 015252	.FBFTB 015731	.FXOP. 015500	.FGTFB 015253
			.FJOV. 015255				
014772	07/09/72	FOPT	.FIDO. 015106				
014126	05/18/73	FPAW	.FPAW. 014126	.FPAI. 014134	.FPAC. 014150	.FIXT. 014132	.FCXT. 014142
			.FPAWA 014126	.FIXTA 014132	.FPAIA 014134	.FCXTA 014141	.FPACA 014147
			.ESAV 014176				
013730	10/26/72	FCOM	.FCOM. 013742	.FCOMA 013737	.FCOM 013744		
013612	10/26/72	FCHA	.FCHMA 013616	.FCHM. 013620	.FCHM 013621		
013466	06/21/73	FSTO	.FSETO 013513	.SETO. 013513	.RCOV 013502	FPARAM 013466	.FMOR. 013503
			.FTL 013511	.FLTX1 013511	.LINSZ 013504		
013464	08/09/73	FRCO	.ASCR. 013464	.ASCR 013464			
013262	04/05/73	FTAB	.GTAB. 013262				
013256	04/11/77	FMXN	.MXNO 013256	.NMXNO 013257	.GFLG 013260	.FRFNT 013261	
013174	07/09/72	GWAI	.GWAIT 013174	.GAWAI 013174	WAIT 013174		
013144	07/09/72	GSTI	.GSTIN 013144	SETIN 013144			
013050	07/09/72	GSTO	.GSTOT 013050	SETOUT 013050			
013000	07/09/72	GWRC	.GWTRC 013000	.GAWTR 013000	WTREC 013000		
012250	06/18/73	GGTB	.GGTBK 012250	GETBK 012250	.GGET 012252	GET 012252	.GAGTB 012250
			.GAGET 012252	.GR001 012254			
012242	07/09/72	GRMT	.GOPNR 012242	.GCLSR 012242	.GGETR 012242	.GPUTR 012242	
011514	11/08/73	GPTB	.GCOPY 011514	COPY 011514	.GPTBK 011517	PUTBK 011517	.GPUT 011522
			PUT 011522	.GACOP 011514	.GAPTB 011517	.GAPUT 011522	.GFR67 012217
011416	07/09/72	GPSZ	.GPTSZ 011416	.GAPTS 011416	PUTSZ 011416		
010632	04/26/73	GOPE	.GOPEN 010632	.GAOPE 010632	OPEN 010632		
010624	07/09/72	GRNT	.GXREA 010624	.GXWRT 010624	.GXLAB 010624	.GXOPN 010625	
010150	06/05/73	GCLO	.GCLSE 010150	.GACLS 010150	.GR185 010260	.GR186 010352	.GR178 010265
			CLOSE 010150	.GBCLS 010150			
010050	07/09/72	GREL	.GRLSE 010050	.GARLS 010050	RELSE 010050		
007666	07/09/72	G20R	.GR200 007666				
007604	07/09/72	G25R	.GR225 007604				
007530	04/26/73	G50R	.GR250 007530				
007252	11/08/73	G27R	.GR275 007252				
007100	07/09/72	G37R	.GR377 007136	.GR375 007100	.GR37X 007155	.GR390 007175	
007056	07/09/72	G60R	.GR960 007063	.GABTB 007056			
006600	07/09/72	G80R	.GR980 006600	.GR979 006672	.GR99X 006604	.GR9A4 006642	.GR9A5 006672
			.GR999 006610				
006546	07/09/72	G90R	.GR990 006546	.GR991 006567	15AUG5 006574		
005706	07/09/72	GLAB	.GINHD 005713	.GOUTH 005712	.GINTL 005711	.GOUTL 005710	.GUSWH 005707
			.GOVRL 005714	.GLREA 006004	.GRCVY 005706	.GRPRV 005703	
005704	04/11/77	GINI	.GINTD 005704				

	RANGE	SIZE
ALLOCATED CORE	000000 THRU 061777	062000

ORIGIN	DATE	MODULE	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION

```
   RELOCATABLE     005704 THRU 061777       054074
$       TAPE9    01,A100,,26393,,###                                    0200
$       PRMFL    02,W,S,LA61A/SLAY/DATA/F4/SEYMOUR                      0210
$       DATA     05                                                      220

FCR AND BUFFER SPACE
   AVAILABLE       000101 THRU 005703       005603
   FILE CTRL BLKS  005452 THRU 005704       000233
   MAXIMUM BUFFER SPACE REQUIRED            003105

    24K. IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY WITH ALL FILES OPEN     730517 F/B
001260 LOCATIONS REQUIRED FOR LOAD TABLE
EXECUTION PROGRAM ENTERED AT  057674   THROUGH  .FSETU


  SNUMB = 7159U, ACTIVITY # = 01, REPORT CODE = 52, RECORD COUN  = 000583

FOR INTERACTIVE DECISION #              15
MDSU ARRAY   F004E
THE MDS'S AT THIS BASE ARE  B052G         KC135A          F004C          F004E
THE FLYING PROGRAMS ARE                 15              14             2              72
THE FLYING HOUR PROGRAMS FOR THE USED MDSS ARE
            72
 UE=             72
```

INDEX	NSN	REMOVAL RATE	OPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO
1	1095004538407	0.00107	1	1.00	0.	3	0.36	0.001	12312.	1.0000	3	0.36	0.001
2	1270000041879	0.00106	1	0.36	0.	3	0.10	0.	6659.	1.0000	3	0.10	0.
3	1270000231042	0.00064	1	1.00	0.	5	0.26	0.	4050.	1.0000	5	0.26	0.
4	1270000238954	0.00137	1	1.00	0.	4	0.28	0.	2768.	1.0000	4	0.28	0.
5	1270000238962	0.00262	1	1.00	0.	5	0.59	0.	6424.	1.0000	5	0.59	0.
6	1270000238963	0.00442	1	0.23	0.	4	0.26	0.	49238.	1.0000	4	0.26	0.
7	1270000641997	0.00441	1	1.00	0.	6	1.35	0.001	37311.	1.0000	6	1.35	0.001
8	1270001095653	0.00080	1	0.37	0.	2	0.06	0.	4306.	1.0000	2	0.06	0.
9	1270001185901	0.00136	1	0.36	0.	2	0.12	0.000	3582.	1.0000	2	0.12	0.000
10	1270001887615	0.00453	1	0.36	0.	3	0.37	0.001	46958.	1.0000	3	0.37	0.001
11	1270003482091	0.00064	1	0.37	0.	1	0.19	0.018	16460.	1.0000	1	0.19	0.018
12	1270003495215	0.00097	1	0.37	0.	1	0.12	0.007	5247.	1.0000	1	0.12	0.007
13	1270003495219	0.00099	1	0.37	0.	1	0.28	0.035	23289.	1.0000	1	0.28	0.035
14	1270003495873	0.00090	1	0.37	0.	1	0.24	0.026	29698.	1.0000	1	0.24	0.026
15	1270003528728	0.00100	1	0.37	0.	1	0.27	0.034	12255.	1.0000	1	0.27	0.034
16	1270003939141	0.00061	1	0.37	0.	1	0.09	0.004	3065.	1.0000	1	0.09	0.004
17	1270004752473	0.00077	1	0.23	0.	2	0.07	0.000	6359.	1.0000	2	0.07	0.000
18	1270004767945	0.00092	1	1.00	0.	5	0.70	0.000	9780.	1.0000	5	0.70	0.000
19	1270004767946	0.00207	1	1.00	0.	5	0.47	0.	20018.	1.0000	5	0.47	0.
20	1270005429309	0.00083	1	0.37	0.	1	0.24	0.026	1235.	1.0000	1	0.24	0.026
21	1270005518449	0.00140	1	0.37	0.	2	0.44	0.012	19279.	1.0000	2	0.44	0.012
22	1270005518451	0.00086	1	0.37	0.	2	0.22	0.002	10494.	1.0000	2	0.22	0.002
23	1270005518452	0.00737	1	0.37	0.	4	0.73	0.001	72822.	1.0000	4	0.73	0.001
24	1270005562269	0.01025	1	0.36	0.	5	1.52	0.006	78863.	1.0000	5	1.52	0.006
25	1270009160176	0.00051	1	1.00	0.	4	0.52	0.000	2594.	1.0000	4	0.52	0.000
26	1270009755895	0.00053	1	1.00	0.	3	0.22	0.	1500.	1.0000	3	0.22	0.
27	1270010298391	0.00058	1	0.37	0.	1	0.10	0.005	586.	1.0000	1	0.10	0.005
28	1270010428441	0.00071	1	0.37	0.	1	0.28	0.036	29888.	1.0000	1	0.28	0.036
29	1270010588980	0.00483	1	1.00	0.	4	0.94	0.003	37311.	1.0000	4	0.94	0.003
30	1280009338792NT	0.00156	1	1.00	0.	6	0.50	0.	4170.	0.9730	6	0.51	0.
31	1280009338793NT	0.00123	1	1.00	0.	7	0.54	0.	5764.	0.9730	7	0.56	0.
32	1430000435192BF	0.00056	1	1.00	0.	1	0.12	0.007	6207.	1.0000	1	0.12	0.007
33	1430000600341BF	0.00070	1	1.00	0.	4	0.63	0.001	1057.	1.0000	4	0.63	0.001
34	1430000780463BF	0.00422	1	1.00	0.	4	1.03	0.005	40473.	1.0000	4	1.03	0.005
35	1430001117990BF	0.00144	1	1.00	0.	4	0.95	0.003	14424.	1.0000	4	0.95	0.003
36	1430001117993BF	0.00073	1	1.00	0.	4	0.65	0.001	9210.	1.0000	4	0.65	0.001
37	1430001326677BF	0.00067	1	1.00	0.	2	0.61	0.028	11411.	1.0000	2	0.61	0.028
38	1430001330189BF	0.00057	1	1.00	0.	5	0.43	0.	1825.	1.0000	5	0.43	0.
39	1430001444284BF	0.00088	1	1.00	0.	10	2.61	0.000	1189.	1.0000	10	2.61	0.000
40	1430001444292BF	0.00081	1	1.00	0.	5	0.71	0.000	1848.	1.0000	5	0.71	0.000
41	1430001444315BF	0.00067	1	0.67	0.	3	0.41	0.001	1992.	1.0000	3	0.41	0.001
42	1430001444319BF	0.00056	1	1.00	0.	3	0.61	0.004	5512.	1.0000	3	0.61	0.004
43	1430001444333BF	0.00026	1	0.06	0.	1	0.09	0.004	23856.	1.0000	1	0.09	0.004
44	1430001444336BF	0.00137	1	0.69	0.	6	1.77	0.003	847.	1.0000	6	1.77	0.003
45	1430001444407BF	0.00102	1	1.00	0.	5	0.59	0.	1535.	1.0000	5	0.59	0.
46	1430001458910BF	0.00421	1	1.00	0.	6	0.78	0.	9292.	1.0000	6	0.78	0.
47	1430001747045BF	0.01938	1	0.06	0.	4	0.27	0.	38220.	1.0000	4	0.27	0.
48	1430001747048BF	0.01159	1	0.06	0.	4	0.16	0.	43927.	1.0000	4	0.16	0.
49	1430001790011BF	0.00053	1	0.06	0.	0	0.02	0.018	871.	1.0000	0	0.02	0.018
50	1430001834083BF	0.00349	2	0.06	0.	4	0.28	0.	2138.	1.0000	4	0.28	0.

INDEX	NSN	REMOVAL RATE	OPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	ERO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL ERO
51	1430001940072BF	0.00050	1	1.00	0.	3	0.20	0.000	6633.	1.0000	3	0.20	0.000
52	1430001946467BF	0.00084	1	1.00	0.	2	0.46	0.013	7084.	1.0000	2	0.46	0.013
53	1430002193773BF	0.00059	1	1.00	0.	5	0.46	0.	538.	1.0000	5	0.46	0.
54	1430002356325BF	0.01023	1	0.92	0.	6	2.28	0.012	43980.	1.0000	6	2.28	0.012
55	1430002471537BF	0.00075	1	1.00	0.	5	0.57	0.	1409.	1.0000	5	0.57	0.
56	1430002989723BF	0.00160	1	0.31	0.	3	0.43	0.001	1254.	1.0000	3	0.43	0.001
57	1430003592030BF	0.00082	1	0.06	0.	1	0.03	0.000	1667.	1.0000	1	0.03	0.000
58	1430003934750BF	0.00057	1	0.06	0.	2	0.02	0.	1291.	1.0000	2	0.02	0.
59	1430003980384BF	0.00096	1	1.00	0.	6	0.97	0.000	2893.	1.0000	6	0.97	0.000
60	1430004100845BF	0.00116	1	1.00	0.	7	0.95	0.	4449.	1.0000	7	0.95	0.
61	1430004902978BF	0.00379	1	1.00	0.	16	4.64	0.000	4285.	1.0000	16	4.64	0.000
62	1430005072644BF	0.00656	1	1.00	0.	7	1.53	0.000	29982.	1.0000	7	1.53	0.000
63	1430005072655BF	0.00721	1	0.31	0.	3	0.61	0.004	43069.	1.0000	3	0.61	0.004
64	1430005072656BF	0.00993	1	1.00	0.	15	3.48	0.	52964.	1.0000	15	3.48	0.
65	1430005203506BF	0.00438	2	0.06	0.	5	0.23	0.	12732.	1.0000	5	0.23	0.
66	1430005315163BF	0.00324	1	1.00	0.	4	0.68	0.001	10388.	1.0000	4	0.68	0.001
67	1430005957721BF	0.00061	1	0.06	0.	2	0.01	0.	1547.	1.0000	2	0.01	0.
68	1430008339603BF	0.00058	1	1.00	0.	5	0.59	0.000	3152.	1.0000	5	0.59	0.000
69	1430009328553BF	0.00128	1	1.00	0.	8	1.44	0.	932.	1.0000	8	1.44	0.
70	1430010039780BF	0.00246	1	0.94	0.	6	0.68	0.	22731.	1.0000	6	0.68	0.
71	1430010039781BF	0.00293	1	0.57	0.	6	0.51	0.	14465.	1.0000	6	0.51	0.
72	1430010039782BF	0.00101	1	0.94	0.	5	0.26	0.	14387.	1.0000	5	0.26	0.
73	1430010384963BF	0.00151	1	1.00	0.	4	1.32	0.014	1328.	1.0000	4	1.32	0.014
74	1430010387038BF	0.01700	1	1.00	0.	6	7.21	1.744	26380.	1.0000	6	7.21	1.744
75	1430010387055BF	0.00484	1	1.00	0.	3	1.74	0.143	8540.	1.0000	3	1.74	0.143
76	1430010399244BF	0.01285	1	0.31	0.	1	1.74	0.919	111207.	1.0000	1	1.74	0.919
77	1430010454699BF	0.01786	1	1.00	0.	5	8.16	3.300	40422.	1.0000	5	8.16	3.300
78	1430010533212BF	0.00135	1	1.00	0.	2	0.49	0.015	12047.	1.0000	2	0.49	0.015
79	1430010597789BF	0.00064	1	1.00	0.	1	0.29	0.037	11999.	1.0000	1	0.29	0.037
80	1430010610350BF	0.00607	1	1.00	0.	3	2.23	0.298	14900.	1.0000	3	2.23	0.298
81	1430010682150BF	0.00137	2	1.00	0.	2	0.07	0.	2126.	1.1650	2	0.06	0.
82	1560000829118BF	0.00052	1	1.00	0.	1	0.10	0.005	3360.	1.0000	1	0.10	0.005
83	1560001430930BF	0.00108	1	1.00	0.	4	1.32	0.014	1012.	1.0000	4	1.32	0.014
84	1560001430932BF	0.00227	1	1.00	0.	5	1.24	0.002	900.	1.0000	5	1.24	0.002
85	1560007883941BF	0.00066	1	1.00	0.	1	0.66	0.179	4729.	0.9730	1	0.67	0.184
86	1560007906873BF	0.00059	1	1.00	0.	1	0.24	0.026	4326.	0.9730	1	0.24	0.027
87	1560008670561BF	0.00073	2	1.00	0.	3	0.86	0.014	884.	0.9730	3	0.86	0.014
88	1560009547752BF	0.00055	2	1.00	0.	6	1.02	0.000	1547.	0.9730	6	1.02	0.000
89	1620009891992	0.00077	1	1.00	0.	3	0.35	0.001	3751.	0.9730	3	0.35	0.001
90	1630002769849	0.00180	2	1.00	0.	8	1.33	0.	1863.	0.9730	8	1.36	0.
91	1630004463778	0.01676	2	1.00	0.	33	9.23	0.	3024.	0.9730	34	9.48	0.
92	1630008521432	0.00068	2	1.00	0.	58	0.74	0.	380.	0.9730	60	0.76	0.
93	1630010266543	0.00089	1	1.00	0.	4	0.62	0.001	3213.	0.9730	4	0.63	0.001
94	1650001486506BF	0.00120	2	1.00	0.	6	0.71	0.	8269.	0.9730	6	0.73	0.
95	1650003500992BF	0.00118	1	1.00	0.	6	0.74	0.	698.	0.9730	6	0.76	0.
96	1650007906855BF	0.00082	1	1.00	0.	5	0.35	0.	853.	0.9730	5	0.36	0.
97	1650008369785BF	0.00057	1	1.00	0.	4	0.21	0.	5484.	1.0000	4	0.21	0.
98	1650009243005BF	0.00075	2	1.00	0.	4	0.48	0.000	2670.	0.9730	4	0.48	0.000
99	1650009243006BF	0.00082	2	1.00	0.	6	0.42	0.	2664.	0.9730	6	0.43	0.
100	1650009995494BF	0.00085	1	1.00	0.	3	0.36	0.001	3956.	0.9730	3	0.36	0.001

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	FBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL FBO
101	1650010841569	0.00408	2	1.00	0.	18	3.08	0.	27808.	1.0000	18	3.08	0.
102	1660000714255	0.00513	1	1.00	0.	19	4.57	0.	1662.	0.9730	20	4.69	0.
103	1660000893553	0.00072	1	1.00	0.	4	0.28	0.	3587.	0.9730	4	0.29	0.
104	1660001359566	0.00185	1	1.00	0.	7	1.42	0.000	4820.	0.9730	7	1.42	0.000
105	1660004463827	0.00057	1	1.00	0.	2	0.27	0.003	1080.	0.9730	2	0.28	0.003
106	1660004959012BF	0.00175	1	1.00	0.	7	1.02	0.	4032.	0.9730	7	1.05	0.
107	1660007935799	0.00225	1	1.00	0.	10	1.35	0.	3308.	0.9730	10	1.39	0.
108	1660009091473	0.00065	1	1.00	0.	5	0.45	0.	2700.	0.9730	5	0.47	0.
109	1660010215625	0.00066	1	1.00	0.	6	0.41	0.	1728.	0.9730	6	0.42	0.
110	16800045005738F	0.00090	3	1.00	0.	5	0.71	0.000	5096.	0.9730	5	0.71	0.000
111	16800073357681S	0.00050	4	1.00	0.	7	0.51	0.	3404.	0.9730	7	0.53	0.
112	16800105208161S	0.00103	2	1.00	0.	6	1.15	0.000	1475.	0.9730	6	1.15	0.000
113	2620000884523	0.01708	2	0.88	0.	90	28.65	0.	299.	0.9730	93	29.44	0.
114	2620010579673	0.02334	2	0.12	0.	24	6.18	0.	299.	0.9730	25	6.35	0.
115	2840006865740PL	0.00052	2	1.00	0.	4	0.87	0.002	606.	0.9804	4	0.87	0.002
116	2840008717414PL	0.00084	2	1.00	0.	2	2.43	0.821	24039.	0.9804	2	2.45	0.837
117	2840008846275PL	0.00053	2	1.00	0.	4	0.96	0.004	645.	0.9804	4	0.96	0.004
118	2840010269455PL	0.00083	2	1.00	0.	6	1.48	0.001	8489.	0.9804	6	1.48	0.001
119	2840010272393PL	0.00082	2	1.00	0.	6	1.32	0.001	6741.	0.9804	6	1.32	0.001
120	2910010092822YP	0.00164	1	0.45	0.	16	4.73	0.000	3864.	1.0000	16	4.73	0.000
121	2915001338007PL	0.00068	2	1.00	0.	6	1.19	0.000	7972.	1.0000	6	1.19	0.000
122	2915010887077PL	0.00055	2	1.00	0.	5	0.79	0.000	41397.	1.0000	5	0.79	0.000
123	2920010139867YP	0.00090	1	0.45	0.	8	1.69	0.000	1932.	0.9730	8	1.70	0.000
124	2935007892422	0.00064	2	1.00	0.	7	0.72	0.	4461.	0.9730	7	0.74	0.
125	2995001598730	0.00163	2	1.00	0.	11	1.84	0.	1249.	0.9730	11	1.89	0.
126	2995006141130PL	0.00069	2	1.00	0.	5	0.94	0.000	370.	0.9804	5	0.95	0.001
127	2995006911224	0.00179	2	1.00	0.	9	2.20	0.000	14060.	0.9730	9	2.19	0.000
128	4310010183040BF	0.00157	1	1.00	0.	4	1.18	0.009	3954.	0.9730	4	1.19	0.009
129	4320000586925HS	0.00160	4	1.00	0.	18	3.14	0.	2240.	0.9730	19	3.23	0.
130	4810000893550TP	0.00069	1	1.00	0.	4	0.27	0.	1989.	0.9730	4	0.28	0.
131	5821010668605	0.00218	1	1.00	0.	2	0.80	0.059	2205.	0.9730	2	0.81	0.060
132	5826000897912	0.00233	1	1.00	0.	7	1.15	0.000	1653.	0.9730	7	1.13	0.000
133	5826004449847	0.00092	1	0.50	0.	5	0.34	0.	1871.	2.5592	2	0.13	0.
134	5826009941578	0.00050	1	1.00	0.	2	0.22	0.002	3481.	0.9730	2	0.22	0.002
135	5826010183511	0.00168	2	1.00	0.	9	3.88	0.010	757.	0.9730	9	3.89	0.010
136	5826010329923	0.00056	1	1.00	0.	2	0.21	0.001	612.	0.9730	2	0.21	0.001
137	5826010329930	0.00195	1	1.00	0.	4	1.03	0.005	2537.	0.9730	4	1.04	0.005
138	5826010395000	0.00600	1	0.31	0.	1	1.37	0.627	67148.	1.0000	1	1.37	0.627
139	5826010395013	0.00340	1	0.31	0.	2	0.85	0.069	6251.	1.0000	2	0.85	0.069
140	5826010395015	0.00113	1	0.31	0.	1	0.32	0.046	9630.	1.0000	1	0.32	0.046
141	5826010397621	0.00051	1	1.00	0.	2	0.50	0.016	1062.	0.9730	2	0.50	0.016
142	5826010401785	0.00692	1	0.31	0.	2	1.65	0.351	25318.	1.0000	2	1.65	0.351
143	5826010403093	0.00217	1	0.31	0.	1	0.51	0.112	17505.	1.0000	1	0.51	0.112
144	5826010408428	0.00094	1	0.31	0.	1	0.08	0.003	2489.	1.0000	1	0.08	0.003
145	5826010419255	0.00252	1	0.31	0.	2	0.53	0.019	8039.	1.0000	2	0.53	0.019
146	5826010419380	0.00096	1	0.31	0.	1	0.21	0.020	6359.	1.0000	1	0.21	0.020
147	5826010419381	0.00104	1	0.31	0.	1	0.18	0.016	2400.	1.0000	1	0.18	0.016
148	5826010419398	0.00122	1	0.31	0.	1	0.26	0.032	2160.	1.0000	1	0.26	0.032
149	5826010424054	0.00388	1	0.31	0.	2	0.70	0.040	9437.	1.0000	2	0.70	0.040
150	5831007825305	0.00179	2	1.00	0.	15	0.78	0.	2977.	1.0000	15	0.78	0.

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO
151	5841000656743	0.00935	1	1.00	0.	18	2.17	0.	20506.	0.9730	19	2.23	0.
152	5841000738241	0.00461	1	1.00	0.	12	1.48	0.	14368.	0.9730	12	1.52	0.
153	5865000076945EW	0.00055	4	1.00	0.	2	0.25	0.002	2438.	0.9730	2	0.25	0.002
154	5865000076949EW	0.00057	4	1.00	0.	2	0.24	0.002	5438.	0.9730	2	0.24	0.002
155	5865000094382EW	0.00055	3	1.00	0.	2	0.26	0.003	4588.	0.9730	2	0.26	0.003
156	5865000139368EW	0.00081	2	0.53	0.	1	0.01	0.	3051.	0.9730	1	0.01	0.
157	5865000139369EW	0.00125	2	0.53	0.	2	0.02	0.	14204.	0.9730	2	0.02	0.
158	5865000233292EW	0.00200	1	1.00	0.	0	0.01	0.005	4678.	0.9730	0	0.01	0.005
159	5865000854945EW	0.00059	1	1.00	0.	0	0.01	0.005	4060.	0.9730	0	0.01	0.005
160	5865000999388EW	0.00103	5	1.00	0.	2	0.55	0.021	4171.	0.9730	2	0.55	0.022
161	5865001350116EW	0.00104	6	0.84	0.	1	0.01	0.	4416.	0.9730	1	0.01	0.
162	5865001350117EW	0.00084	6	0.84	0.	0	0.01	0.012	24039.	0.9730	0	0.01	0.013
163	5865001559266EW	0.00055	10	1.00	0.	3	0.52	0.002	9603.	0.9730	3	0.53	0.002
164	5865001627964EW	0.00070	3	1.00	0.	3	0.54	0.003	2220.	0.9730	3	0.55	0.003
165	5865001681504EW	0.00097	2	0.55	0.	0	0.01	0.013	11999.	0.9730	0	0.01	0.013
166	5865001887918EW	0.00050	1	1.00	0.	0	0.00	0.005	2532.	0.9730	0	0.00	0.005
167	5865001994210EW	0.00109	4	1.00	0.	1	1.40	0.650	9144.	0.9730	1	1.43	0.668
168	5865003294045EW	0.00063	2	0.55	0.	0	0.02	0.023	5076.	0.9754	0	0.02	0.023
169	5865003713344EW	0.00133	4	1.00	0.	3	0.72	0.007	4138.	0.9730	3	0.73	0.008
170	5865004095152EW	0.00112	2	1.00	0.	1	0.01	0.	690.	0.9730	1	0.01	0.
171	5865004263144EW	0.00100	4	1.00	0.	6	2.32	0.013	5400.	0.8251	7	2.96	0.016
172	5865004376027EW	0.00118	1	1.00	0.	3	0.01	0.	5082.	0.9730	3	0.01	0.
173	5865004764442EW	0.00073	4	1.00	0.	3	0.40	0.001	4443.	0.9730	3	0.40	0.001
174	5865007598099EW	0.00067	4	1.00	0.	2	0.41	0.009	4896.	0.9796	2	0.41	0.010
175	5865008685177EW	0.00081	2	0.55	0.	1	0.03	0.	2179.	0.9730	1	0.03	0.
176	5865008685230EW	0.00077	4	0.78	0.	0	0.01	0.012	3083.	0.9730	0	0.01	0.013
177	5865008685231EW	0.00139	2	0.55	0.	2	0.02	0.	2882.	0.9730	2	0.03	0.
178	5865010149262EW	0.00050	1	1.00	0.	1	0.01	0.	305.	0.9730	1	0.01	0.
179	5865010169623EW	0.00072	1	1.00	0.	5	0.21	0.	5946.	0.9964	5	0.21	0.
180	5865010211657EW	0.00132	2	1.00	0.	3	0.75	0.008	2505.	1.0000	3	0.75	0.008
181	5865010384616EW	0.00069	2	1.00	0.	10	8.40	0.550	17946.	0.9863	10	8.43	0.558
182	5865010418257EW	0.00095	2	1.00	0.	9	1.10	0.	728.	0.9964	9	1.10	0.
183	5865010481589EW	0.00055	6	1.00	0.	2	0.46	0.013	3894.	0.9730	2	0.47	0.014
184	5865010805675EW	0.00333	1	1.00	0.	7	2.66	0.008	6215.	1.0000	7	2.66	0.008
185	5865010976255EW	0.00069	2	1.00	0.	5	5.39	1.107	22725.	0.9863	5	5.41	1.122
186	5865NC134683LEW	0.00496	1	1.00	0.	12	1.60	0.	27598.	0.9964	12	1.60	0.
187	5895001688798	0.00877	1	1.00	0.	15	1.78	0.	14550.	0.9730	15	1.83	0.
188	5895003977851	0.00243	1	0.25	0.	2	0.31	0.004	13795.	1.0000	2	0.31	0.004
189	5895003977852	0.00147	1	1.00	0.	3	0.45	0.001	1170.	1.0000	3	0.45	0.001
190	5895005205891	0.00824	1	1.00	0.	14	1.89	0.	9665.	1.0000	14	1.89	0.
191	5895007908764	0.00558	1	1.00	0.	18	1.40	0.	4765.	0.9730	19	1.44	0.
192	5895008100140	0.00909	1	1.00	0.	19	2.31	0.	3253.	1.0000	19	2.31	0.
193	5895008100189	0.00973	1	1.00	0.	24	2.85	0.	14152.	1.0000	24	2.85	0.
194	5895009190000	0.00449	2	1.00	0.	20	1.84	0.	4162.	1.0000	20	1.84	0.
195	5895009190410	0.00163	2	0.08	0.	22	0.07	0.	283.	1.0000	22	0.07	0.
196	5895009190413	0.00062	2	1.00	0.	6	1.32	0.001	7016.	1.0000	6	1.32	0.001
197	5990002445715MT	0.00234	1	0.60	0.	5	0.94	0.000	3770.	0.9730	5	0.94	0.001
198	6105002620432BE	0.00426	1	1.00	0.	15	3.32	0.	882.	1.0000	15	3.32	0.
199	6110000978394BE	0.00267	2	1.00	0.	23	3.19	0.	1669.	1.0000	23	3.19	0.
200	6110001871018BE	0.00059	1	1.00	0.	5	0.37	0.	4765.	0.9730	5	0.38	0.

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO
201	6110005717654RF	0.00200	1	1.00	0.	9	1.17	0.	2429.	0.9730	9	1.21	0.
202	6115008681999EW	0.00184	5	0.19	0.	1	0.09	0.004	3180.	0.9730	1	0.09	0.004
203	6115009031256RF	0.00247	2	1.00	0.	10	1.87	0.	2930.	1.0000	10	1.87	0.
204	6115010267271EW	0.00171	4	0.29	0.	0	0.04	0.041	4200.	0.9730	0	0.04	0.042
205	6340001165963RF	0.00113	2	1.00	0.	10	1.07	0.	1100.	0.9730	10	1.10	0.
206	6605001113645	0.00084	1	1.00	0.	6	0.41	0.	349.	0.9730	6	0.42	0.
207	6605008365333	0.00847	1	0.67	0.	10	1.61	0.	20723.	0.9602	10	1.67	0.
208	6605008365335	0.01156	1	0.67	0.	16	2.49	0.	61795.	0.9797	16	2.55	0.
209	6605009458168	0.01023	1	0.67	0.	13	2.59	0.	53144.	0.9602	14	2.70	0.
210	6605009497835	0.00622	1	0.67	0.	7	1.07	0.	25516.	1.0000	7	1.07	0.
211	6605009876166	0.00085	1	0.67	0.	5	0.11	0.	1242.	0.9602	5	0.11	0.
212	6605009940194	0.01606	1	0.67	0.	12	2.67	0.	48723.	0.9602	13	2.78	0.
213	6605010787915	0.00769	1	0.33	0.	4	0.51	0.	82187.	1.0000	4	0.51	0.
214	6610000109356RF	0.00121	1	1.00	0.	2	0.53	0.020	2473.	1.0000	2	0.53	0.020
215	6610000657276RF	0.00054	2	1.00	0.	6	0.64	0.	402.	0.9730	6	0.66	0.
216	6610000863840	0.00144	2	1.00	0.	10	1.94	0.	5197.	0.6990	15	2.78	0.
217	6610001337868	0.00070	1	1.00	0.	2	0.37	0.007	633.	0.9730	2	0.38	0.007
218	6610001506785	0.00153	1	1.00	0.	7	0.94	0.	2994.	0.9730	7	0.97	0.
219	6610001811750	0.00058	1	1.00	0.	2	0.29	0.004	1147.	0.9730	2	0.30	0.004
220	6610001812539	0.00120	2	1.00	0.	8	1.83	0.000	531.	0.9730	8	1.83	0.000
221	6610004001201RF	0.00064	1	1.00	0.	2	0.55	0.022	4119.	1.0000	2	0.55	0.022
222	6610004001202RF	0.00096	2	0.73	0.	6	0.83	0.	1669.	0.9773	6	0.85	0.
223	6610004335240	0.00459	1	0.13	0.	2	0.46	0.013	33517.	0.9730	2	0.47	0.013
224	6610004546632RF	0.00666	1	1.00	0.	12	1.84	0.	56358.	1.0000	12	1.84	0.
225	6610004629837RF	0.00404	1	1.00	0.	6	3.09	0.059	5079.	1.0000	6	3.09	0.059
226	6610004809436RF	0.00189	1	1.00	0.	7	1.00	0.	6272.	0.9730	7	1.03	0.
227	6610007998315	0.00165	1	1.00	0.	7	0.93	0.	8343.	0.9730	7	0.96	0.
228	6610008144117RF	0.00147	1	1.00	0.	2	0.73	0.045	9594.	0.9730	2	0.73	0.046
229	6610008451070	0.00334	1	1.00	0.	14	1.72	0.	10407.	0.9730	14	1.77	0.
230	6610008831034	0.00229	1	1.00	0.	9	1.74	0.	2462.	0.9730	9	1.79	0.
231	6610009250934	0.00739	1	0.15	0.	4	0.90	0.003	2689.	0.9908	4	0.90	0.003
232	6610009250935	0.00139	1	0.15	0.	1	0.16	0.013	1928.	0.9800	1	0.17	0.013
233	6610009453112RF	0.00352	1	1.00	0.	42	20.71	0.000	1819.	0.9730	43	22.44	0.000
234	6610009539670	0.00114	1	1.00	0.	7	0.77	0.	1051.	0.9730	7	0.79	0.
235	6610009867628RF	0.00130	2	1.00	0.	11	1.55	0.	1143.	0.9730	11	1.59	0.
236	6610009942170	0.00107	1	0.67	0.	6	0.34	0.	2653.	0.9602	6	0.36	0.
237	6610009988758RF	0.00226	1	1.00	0.	5	1.50	0.006	13191.	0.9730	5	1.51	0.006
238	6610010347616	0.00133	1	1.00	0.	5	0.33	0.	2083.	0.9730	5	0.34	0.
239	6610010451020	0.00119	1	1.00	0.	4	0.82	0.002	17059.	0.9730	4	0.82	0.002
240	6615000228011	0.00271	1	1.00	0.	11	0.95	0.	8049.	0.9730	11	0.97	0.
241	6615000593851	0.00608	1	1.00	0.	26	4.64	0.	12261.	0.9730	27	4.77	0.
242	6615003739254RF	0.00080	1	1.00	0.	5	0.42	0.	9269.	0.9730	5	0.43	0.
243	6615004200406RF	0.00051	3	1.00	0.	4	0.64	0.001	7354.	0.9730	4	0.64	0.001
244	6615005905172RF	0.00148	1	1.00	0.	5	0.35	0.	4356.	0.9730	5	0.36	0.
245	6615006000969RF	0.00065	1	1.00	0.	4	0.61	0.000	2070.	0.9730	4	0.61	0.000
246	6615007202931	0.00054	1	1.00	0.	3	0.24	0.	1779.	0.9730	3	0.25	0.
247	6615008699834	0.00082	1	1.00	0.	4	0.31	0.	767.	0.9730	4	0.31	0.
248	6615009825301	0.00147	1	1.00	0.	8	0.70	0.	2718.	0.9730	8	0.72	0.
249	6615010159539RF	0.00396	1	0.70	0.	9	0.60	0.	57985.	0.9618	9	0.62	0.
250	6615010520422RF	0.00107	1	1.00	0.	4	0.46	0.000	957.	0.9730	4	0.46	0.000

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	ERO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL ERO
251	6615010520423BF	0.00065	1	1.00	0.	3	0.52	0.002	800.	0.9730	3	0.52	0.002
252	6615010546075BF	0.00167	1	1.00	0.	8	1.95	0.000	957.	0.9730	8	1.96	0.000
253	6615010709243BF	0.00399	1	0.30	0.	1	0.38	0.063	58316.	1.0000	1	0.38	0.063
254	6620005538827	0.00082	2	1.00	0.	9	0.90	0.	2575.	0.9730	9	0.93	0.
255	6645008722128	0.00061	1	1.00	0.	3	0.39	0.001	2777.	0.9730	3	0.39	0.001
256	6680006518045	0.00332	1	1.00	0.	18	2.51	0.	855.	0.9730	19	2.58	0.
257	6680008800844BF	0.00051	2	1.00	0.	6	0.60	0.	2143.	0.9730	6	0.62	0.
258	6685001159606BF	0.00061	1	1.00	0.	4	0.37	0.	3676.	0.9730	4	0.38	0.
259	6685006845176	0.00119	2	1.00	0.	14	1.73	0.	704.	0.9730	14	1.78	0.
260	6710002600300	0.00063	1	1.00	0.	4	0.26	0.	2658.	1.0000	4	0.26	0.
261	6720001034963	0.00066	1	0.52	0.	10	0.23	0.	3985.	1.0000	10	0.23	0.
262	6760004051090	0.00182	1	1.00	0.	4	0.88	0.002	1514.	1.0000	4	0.88	0.002

INDEX	NSN	REMOVAL RATE	OPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	FBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL FBO	RESUPP DAYS	RESUPP NORS
1	1430010454699BF	0.01786	1	1.00	0.00547	5	8.16							7.61	26.34
2	1430010387038BF	0.01700	1	1.00	0.00589	6	7.21							7.07	21.84
3	2620000884523	0.01708	2	0.88	0.00231	90	28.65							18.00	15.09
4	5865001994210EW	0.00109	4	1.00	0.00146	1	1.40							28.54	6.59
5	1430010399244BF	0.01285	1	0.31	0.00539	1	1.74							7.74	6.09
6	6610004629837BF	0.00404	1	1.00	0.00316	6	3.09							13.20	5.96
7	1430010610350BF	0.00607	1	1.00	0.00694	3	2.23							6.00	5.54
8	1630004463778	0.01676	2	1.00	0.00753	33	9.23							5.53	5.39
9	1270010588980	0.00483	1	1.00	0.00491	4	0.94							8.48	5.39
10	5826010395000	0.00600	1	0.31	0.00322	1	1.37							12.94	4.40
11	5826010401785	0.00692	1	0.31	0.00315	2	1.65							13.22	4.36
12	1430010387055BF	0.00484	1	1.00	0.00694	3	1.74							6.00	3.81
13	5826010183511	0.00168	2	1.00	0.00186	9	3.88							22.38	3.78
14	1430002356325BF	0.01023	1	0.92	0.00976	6	2.28							4.27	3.73
15	2840008717414PL	0.00084	2	1.00	0.00180	2	2.43							23.13	3.30
16	5865000233292EW	0.00200	1	1.00	0.00613	0	0.01							6.80	3.16
17	5865003713344EW	0.00133	4	1.00	0.00320	3	0.72							13.03	3.13
18	1270000641997	0.00441	1	1.00	0.00487	6	1.35							8.55	2.62
19	6115008681999EW	0.00184	5	0.19	0.00119	1	0.09							35.04	2.48
20	5865000999348EW	0.00103	5	1.00	0.00346	2	0.55							12.05	2.40
21	6610008144117BF	0.00147	1	1.00	0.00327	2	0.73							12.74	2.21
22	1660000714255	0.00513	1	1.00	0.00224	19	4.57							18.63	2.20
23	5865000854945EW	0.00059	1	1.00	0.00286	0	0.01							14.57	1.91
24	1560007883941BF	0.00066	1	1.00	0.00216	1	0.66							19.33	1.84
25	5865001627964EW	0.00070	3	1.00	0.00234	3	0.54							17.83	1.77
26	5865007598099EW	0.00067	4	1.00	0.00277	2	0.41							15.02	1.74
27	1270005562269	0.01025	1	0.36	0.00538	5	1.52							7.74	1.58
28	6115010267271EW	0.00171	4	0.29	0.00302	0	0.04							13.78	1.52
29	5821010668605	0.00218	1	1.00	0.00603	2	0.80							6.91	1.50
30	5865010481589EW	0.00055	6	1.00	0.00281	2	0.46							14.83	1.50
31	5865001887918EW	0.00050	1	1.00	0.00324	0	0.00							12.86	1.46
32	5865004095152EW	0.00112	2	1.00	0.00578	1	0.01							7.20	1.37
33	5826010395013	0.00340	1	0.31	0.00294	2	0.85							14.19	1.34
34	6610009888758BF	0.00226	1	1.00	0.00339	5	1.50							12.29	1.24
35	5865004376027EW	0.00118	1	1.00	0.00260	3	0.01							16.00	1.19
36	4310010183040BF	0.00157	1	1.00	0.00281	4	1.18							14.81	1.19
37	1680004500573BF	0.00090	3	1.00	0.00297	5	0.71							14.01	1.16
38	5865004764402EW	0.00073	4	1.00	0.00374	3	0.40							11.14	1.09
39	5826010403093	0.00217	1	0.31	0.00301	1	0.51							13.84	1.09
40	5865001559266EW	0.00055	10	1.00	0.00379	3	0.52							10.99	1.06
41	6605009940194	0.01606	1	0.67	0.00819	12	2.67							5.09	1.03
42	5865001350117EW	0.00084	6	0.84	0.00665	0	0.01							6.26	1.03
43	2620010579673	0.02334	2	0.12	0.00198	24	6.18							21.00	1.01
44	5865003294045EW	0.00063	2	0.55	0.00324	0	0.02							12.86	0.99
45	5865000076945EW	0.00055	4	1.00	0.00360	2	0.25							11.57	0.93
46	1430010682150BF	0.00137	2	1.00	0.00694	2	0.07							6.00	0.92
47	1430010398963BF	0.00151	1	1.00	0.00287	4	1.32							14.54	0.92
48	5865001350116EW	0.00104	6	0.84	0.00809	1	0.01							5.15	0.90
49	5865000076949EW	0.00057	4	1.00	0.00403	2	0.24							10.33	0.83
50	5865000094382EW	0.00055	3	1.00	0.00350	2	0.26							11.89	0.82

INDEX	NSN	REMOVAL RATE	OPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	RESUPP DAYS	RESUPP HOURS
51	5826010420054	0.00388	1	0.31	0.00411	2	0.70							10.13	0.77
52	5865008685177EW	0.00081	2	0.55	0.00342	1	0.03							12.19	0.72
53	1430004902978BF	0.00379	1	1.00	0.00209	16	4.64							19.90	0.70
54	5865008685230EW	0.00077	4	0.78	0.00962	0	0.01							4.33	0.63
55	5865001681504EW	0.00097	2	0.55	0.00872	0	0.01							4.78	0.61
56	6615010709243BF	0.00399	1	0.30	0.00742	1	0.38							5.62	0.58
57	2995006911224	0.00179	2	1.00	0.00331	9	2.20							12.58	0.57
58	5865010976255EW	0.00069	2	1.00	0.00206	5	5.39							20.18	0.56
59	5865010211657EW	0.00132	2	1.00	0.00649	3	0.75							6.42	0.48
60	5865010149262FW	0.00050	1	1.00	0.00321	1	0.01							13.00	0.47
61	1650010841569	0.00408	2	1.00	0.00411	18	3.08							10.13	0.37
62	1560008670561BF	0.00073	2	1.00	0.00380	3	0.86							10.97	0.31
63	5865004263144EW	0.00100	4	1.00	0.00549	6	2.32							7.59	0.25
64	5826010395015	0.00113	1	0.31	0.00261	1	0.32							15.95	0.25
65	1650001486506BF	0.00120	2	1.00	0.00347	6	0.71							12.00	0.24
66	1430001326677BF	0.00067	1	1.00	0.00280	2	0.61							14.91	0.23
67	1650009243005BF	0.00075	2	1.00	0.00320	4	0.48							13.01	0.19
68	5826010419255	0.00252	1	0.31	0.00337	2	0.53							12.35	0.17
69	5865008685231EW	0.00139	2	0.55	0.00638	2	0.02							6.54	0.16
70	1270010428441	0.00071	1	0.37	0.00209	1	0.28							19.98	0.16
71	6615010546075BF	0.00167	1	1.00	0.00189	8	1.95							22.02	0.14
72	1560007906873BF	0.00059	1	1.00	0.00496	1	0.24							8.41	0.14
73	1270003528728	0.00100	1	0.37	0.00305	1	0.27							13.64	0.14
74	5826010397621	0.00051	1	1.00	0.00221	2	0.50							18.83	0.13
75	1270003495219	0.00099	1	0.37	0.00303	1	0.28							13.74	0.13
76	1430010597789BF	0.00064	1	1.00	0.00559	1	0.29							7.45	0.10
77	1430000780463BF	0.00422	1	1.00	0.01052	4	1.03							3.96	0.08
78	1270003495873	0.00090	1	0.37	0.00285	1	0.24							14.64	0.08
79	1430001790011BF	0.00053	1	0.06	0.00423	0	0.02							9.85	0.07
80	6615004200406BF	0.00051	3	1.00	0.00347	4	0.64							12.01	0.06
81	6610000109356BF	0.00121	1	1.00	0.00568	2	0.53							7.33	0.06
82	5826010419398	0.00122	1	0.31	0.00342	1	0.26							12.18	0.03
83	1430001444336BF	0.00137	1	0.69	0.00143	6	1.77							29.08	0.03
84	1270005429309	0.00083	1	0.37	0.00290	1	0.24							14.35	-0.02
85	6610004001201BF	0.00064	1	1.00	0.00306	2	0.55							13.63	-0.03
86	5865000139369EW	0.00125	2	0.53	0.00681	2	0.02							6.12	-0.06
87	1430010533212BF	0.00135	1	1.00	0.00694	2	0.49							6.00	-0.10
88	6610004435240	0.00459	1	0.13	0.00295	2	0.46							14.15	-0.11
89	1270003482091	0.00064	1	0.37	0.00253	1	0.19							16.49	-0.13
90	6610001812539	0.00120	2	1.00	0.00288	8	1.83							14.45	-0.14
91	5826010419380	0.00096	1	0.31	0.00343	1	0.21							12.15	-0.19
92	5865000139368EW	0.00081	2	0.53	0.01563	1	0.01							2.67	-0.21
93	1270005518449	0.00140	1	0.37	0.00278	2	0.44							14.97	-0.26
94	5826010419381	0.00104	1	0.31	0.00424	1	0.18							9.83	-0.28
95	5895009190413	0.00062	2	1.00	0.00213	6	1.32							19.52	-0.30
96	6610009250935	0.00139	1	0.15	0.00291	1	0.16							14.32	-0.33
97	1430001946467BF	0.00084	1	1.00	0.00483	2	0.46							8.62	-0.35
98	2840008846275PL	0.00053	2	1.00	0.00299	4	0.96							13.92	-0.36
99	6610001337868	0.00070	1	1.00	0.00405	2	0.37							10.28	-0.38
100	1560001430932BF	0.00227	1	1.00	0.00469	5	1.24							8.88	-0.40

INDEX	NSN	REMOVAL RATE	QPA	EAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	RESUPP DAYS	RESUPP HORS
101	5865010805675EW	0.00333	1	1.00	0.00482	7	2.66							8.65	-0.41
102	2840010269455PL	0.00083	2	1.00	0.00303	6	1.48							13.74	-0.43
103	1430005072655BF	0.00721	1	0.31	0.00868	3	0.61							4.80	-0.44
104	6610009250934	0.00739	1	0.15	0.00291	4	0.90							14.31	-0.45
105	1680010520816LS	0.00103	2	1.00	0.00380	6	1.15							10.95	-0.46
106	1270003495215	0.00097	1	0.37	0.00640	1	0.12							6.51	-0.46
107	1430000435192BF	0.00056	1	1.00	0.01063	1	0.12							3.92	-0.46
108	1430001117990BF	0.00144	1	1.00	0.00387	4	0.95							10.77	-0.50
109	1560000829118BF	0.00052	1	1.00	0.01113	1	0.10							3.74	-0.52
110	1660001359566	0.00185	1	1.00	0.00265	7	1.42							15.71	-0.54
111	1270010298391	0.00058	1	0.37	0.00493	1	0.10							8.46	-0.58
112	1270003939141	0.00061	1	0.37	0.00533	1	0.09							7.81	-0.59
113	6610010451020	0.00119	1	1.00	0.00329	4	0.82							12.67	-0.61
114	2840010272393PL	0.00082	2	1.00	0.00319	6	1.32							13.05	-0.61
115	1430001444338BF	0.00426	1	0.06	0.00631	1	0.09							6.61	-0.61
116	2840006865740PL	0.00052	2	1.00	0.00351	4	0.87							11.86	-0.61
117	1680007335768LS	0.00050	4	1.00	0.00423	7	0.51							9.84	-0.62
118	5826010408428	0.00094	1	0.31	0.00819	1	0.08							5.09	-0.65
119	6610001811750	0.00058	1	1.00	0.00408	2	0.29							10.22	-0.66
120	6605009458168	0.01023	1	0.67	0.00534	13	2.59							7.80	-0.69
121	5826010329930	0.00195	1	1.00	0.00576	4	1.03							7.23	-0.73
122	1430001444284BF	0.00088	1	1.00	0.00086	10	2.61							48.34	-0.74
123	1430005072644BF	0.00656	1	1.00	0.01070	7	1.53							3.89	-0.74
124	1630002769849	0.00180	2	1.00	0.00532	8	1.33							7.83	-0.76
125	5895003977851	0.00243	1	0.25	0.00466	2	0.31							8.94	-0.76
126	1430001444319BF	0.00056	1	1.00	0.00233	3	0.61							17.92	-0.78
127	1560009547752BF	0.00055	2	1.00	0.00230	6	1.02							18.12	-0.78
128	2995006141130PL	0.00069	2	1.00	0.00380	5	0.94							10.97	-0.80
129	6615010520423BF	0.00065	1	1.00	0.00275	3	0.52							15.16	-0.81
130	1660004463827	0.00057	1	1.00	0.00455	2	0.27							9.16	-0.81
131	2915001338007PL	0.00068	2	1.00	0.00292	6	1.19							14.25	-0.84
132	4320000586925HS	0.00160	4	1.00	0.00418	18	3.14							9.97	-0.88
133	6115009031256BF	0.00247	2	1.00	0.00579	10	1.87							7.20	-0.89
134	1430003592030BF	0.00082	1	0.06	0.00460	1	0.03							9.06	-0.90
135	1270005518452	0.00737	1	0.37	0.00890	4	0.73							4.68	-0.94
136	2915010887077PL	0.00055	2	1.00	0.00347	5	0.79							12.00	-1.03
137	5826009941578	0.00050	1	1.00	0.00503	2	0.22							8.28	-1.04
138	1650009243006BF	0.00082	2	1.00	0.00395	6	0.42							10.55	-1.05
139	1270005518451	0.00086	1	0.37	0.00319	2	0.22							13.08	-1.07
140	5826000897912	0.00233	1	1.00	0.00372	7	1.15							11.21	-1.11
141	6605010787915	0.00769	1	0.33	0.00877	4	0.51							4.75	-1.11
142	5826010329923	0.00056	1	1.00	0.00628	2	0.21							6.64	-1.13
143	1560001430930BF	0.00108	1	1.00	0.00355	4	1.32							11.72	-1.14
144	1430005315163BF	0.00324	1	1.00	0.01170	4	0.68							3.56	-1.14
145	5895003977852	0.00147	1	1.00	0.00789	3	0.45							5.28	-1.16
146	6610004001202BF	0.00096	2	0.73	0.00368	6	0.83							11.32	-1.21
147	1430002989723BF	0.00160	1	0.31	0.00269	3	0.45							15.47	-1.29
148	1650009995494BF	0.00085	1	1.00	0.00477	3	0.36							8.74	-1.30
149	1270001887615	0.00453	1	0.36	0.00972	3	0.37							4.29	-1.31
150	1430005072656BF	0.00993	1	1.00	0.00711	15	3.48							5.86	-1.33

INDEX	NSN	REMOVAL RATE	OPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	RESUPP DAYS	RESUPP HORS
151	5990002445715NT	0.00234	1	0.60	0.00365	5	0.94							11.42	-1.38
152	1620009891992	0.00077	1	1.00	0.00455	3	0.35							9.16	-1.39
153	6605008722128	0.00061	1	1.00	0.00358	3	0.39							11.63	-1.41
154	6615006000969HF	0.00065	1	1.00	0.00231	4	0.61							18.01	-1.42
155	1630010266543	0.00089	1	1.00	0.00326	4	0.62							12.78	-1.44
156	1270001185901	0.00136	1	0.36	0.00906	2	0.12							4.60	-1.46
157	2995001598730	0.00163	2	1.00	0.00380	11	1.84							10.95	-1.46
158	1430001834083HF	0.00349	2	0.06	0.00369	4	0.28							11.30	-1.47
159	1430001444315HF	0.00067	1	0.67	0.00286	3	0.41							14.55	-1.54
160	6610000657276HF	0.00054	2	1.00	0.00366	6	0.64							11.37	-1.61
161	1095004538407	0.00107	1	1.00	0.00758	3	0.36							5.50	-1.61
162	1430000600341HF	0.00070	1	1.00	0.00273	4	0.63							15.25	-1.62
163	1270001095653	0.00080	1	0.37	0.00771	2	0.06							5.41	-1.62
164	1430001117993HF	0.00073	1	1.00	0.00288	4	0.65							14.45	-1.65
165	6680008800444HF	0.00051	2	1.00	0.00372	6	0.60							11.20	-1.72
166	1270004752473	0.00077	1	0.23	0.00644	2	0.07							6.47	-1.73
167	6760004051090	0.00182	1	1.00	0.00807	4	0.88							5.16	-1.77
168	2935007892422	0.00064	2	1.00	0.00357	7	0.72							11.66	-1.83
169	1430003934750HF	0.00057	1	0.06	0.00360	2	0.02							11.58	-1.91
170	6615007202931	0.00054	1	1.00	0.00480	3	0.24							8.68	-1.92
171	6610000863840	0.00144	2	1.00	0.00446	10	1.94							9.34	-1.94
172	1430005957721HF	0.00061	1	0.06	0.00694	2	0.01							6.00	-1.95
173	1270009160176	0.00051	1	1.00	0.00237	4	0.52							17.56	-2.03
174	6615010520422HF	0.00107	1	1.00	0.00520	4	0.46							8.01	-2.04
175	6605008365333	0.00847	1	0.67	0.00697	10	1.61							5.98	-2.04
176	1430005203506HF	0.00438	2	0.06	0.00563	5	0.23							7.40	-2.05
177	1270009755895	0.00053	1	1.00	0.00552	3	0.22							7.55	-2.07
178	6610009867628HF	0.00130	2	1.00	0.00362	11	1.55							11.51	-2.14
179	5865010384616EW	0.00069	2	1.00	0.00232	10	8.40							17.95	-2.23
180	1430001940072HF	0.00050	1	1.00	0.00660	3	0.20							6.32	-2.26
181	6605009497835	0.00622	1	0.67	0.00886	7	1.07							4.70	-2.30
182	1270004767945	0.00092	1	1.00	0.00321	5	0.70							13.00	-2.31
183	6685001159606HF	0.00061	1	1.00	0.00353	4	0.37							11.80	-2.37
184	1660004959012HF	0.00175	1	1.00	0.00355	7	1.02							11.74	-2.38
185	6105002620432HF	0.00426	1	1.00	0.00316	15	3.32							13.20	-2.40
186	1270000238962	0.00262	1	1.00	0.01021	5	0.59							4.08	-2.40
187	1430001444292HF	0.00081	1	1.00	0.00294	5	0.71							14.16	-2.43
188	6620005538827	0.00082	2	1.00	0.00389	9	0.90							10.70	-2.52
189	6615008699834	0.00082	1	1.00	0.00543	4	0.31							7.67	-2.55
190	6340001165963HF	0.00113	2	1.00	0.00437	10	1.07							9.53	-2.56
191	1270000041879	0.00106	1	0.36	0.00887	3	0.10							4.70	-2.57
192	6610004B39436HF	0.00189	1	1.00	0.00404	7	1.00							10.30	-2.58
193	1430003980384HF	0.00096	1	1.00	0.00262	6	0.97							15.89	-2.60
194	1660000893553	0.00072	1	1.00	0.00494	4	0.28							8.44	-2.60
195	1270000238954	0.00137	1	1.00	0.01120	4	0.28							3.72	-2.74
196	1430001458910HF	0.00421	1	1.00	0.01366	6	0.78							3.05	-2.74
197	4810000893550TP	0.00069	1	1.00	0.00531	4	0.27							7.84	-2.76
198	1270000238963	0.00442	1	0.23	0.00817	4	0.26							5.10	-2.77
199	1430009328553HF	0.00128	1	1.00	0.00227	8	1.44							18.36	-2.80
200	1430001444407HF	0.00102	1	1.00	0.00445	5	0.59							9.36	-2.82

INDEX	NSN	REMOVAL RATE	OPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	FRU	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	RESUPP DAYS	NORS
201	1650003500992BF	0.00118	1	1.00	0.00350	6	0.74							11.92	-2.83
202	1430001747045BF	0.01938	1	0.06	0.01021	4	0.27							4.08	-2.84
203	1430008339603BF	0.00058	1	1.00	0.00250	5	0.59							16.66	-2.85
204	1430002471537BF	0.00075	1	1.00	0.00328	5	0.57							12.69	-2.85
205	6710002600300	0.00063	1	1.00	0.00527	4	0.26							7.90	-2.86
206	5865010418257EW	0.00095	2	1.00	0.00569	9	1.10							7.32	-2.89
207	1270004767946	0.00207	1	1.00	0.01006	5	0.47							4.14	-2.91
208	6615003739254BF	0.00080	1	1.00	0.00379	5	0.42							11.00	-3.00
209	6610007998315	0.00165	1	1.00	0.00391	7	0.93							10.65	-3.02
210	1660009091473	0.00065	1	1.00	0.00310	5	0.45							13.42	-3.03
211	6610001506785	0.00153	1	1.00	0.00364	7	0.94							11.46	-3.05
212	1650008369785BF	0.00057	1	1.00	0.00622	4	0.21							6.70	-3.12
213	1430002[illegible]3773BF	0.00059	1	1.00	0.00312	5	0.46							13.35	-3.24
214	1430001747048BF	0.01159	1	0.06	0.01052	4	0.16							3.96	-3.33
215	1430010039780BF	0.00246	1	0.94	0.00868	6	0.68							4.80	-3.34
216	5110001871018BF	0.00059	1	1.00	0.00336	5	0.37							12.39	-3.36
217	6615005905172BF	0.00148	1	1.00	0.00926	5	0.35							4.50	-3.39
218	6610010347616	0.00133	1	1.00	0.00830	5	0.33							5.02	-3.42
219	1430001330189BF	0.00057	1	1.00	0.00340	5	0.43							12.24	-3.44
220	1650007906855BF	0.00082	1	1.00	0.00520	5	0.35							8.01	-3.49
221	1430004100845BF	0.00116	1	1.00	0.00314	7	0.95							13.28	-3.55
222	6610008831034	0.00229	1	1.00	0.00396	9	1.74							10.52	-3.56
223	1280009338792NT	0.00156	1	1.00	0.00677	6	0.50							6.15	-3.75
224	1270000231042	0.00064	1	1.00	0.00562	5	0.26							7.42	-3.90
225	6605008365335	0.01156	1	0.67	0.00624	16	2.49							6.68	-3.96
226	5110005717654BF	0.00200	1	1.00	0.00375	9	1.17							11.12	-3.99
227	1430010039782BF	0.00101	1	0.94	0.00947	5	0.26							4.40	-3.99
228	5865010169623EW	0.00072	1	1.00	0.00734	5	0.21							5.68	-4.04
229	1430010039781BF	0.00293	1	0.57	0.00850	6	0.51							4.90	-4.04
230	1660007935799	0.00225	1	1.00	0.00354	10	1.35							11.76	-4.05
231	1660010215625	0.00066	1	1.00	0.00316	6	0.41							13.21	-4.05
232	6610009539670	0.00114	1	1.00	0.00364	7	0.77							11.44	-4.07
233	6685006845176	0.00119	2	1.00	0.00392	14	1.73							10.64	-4.14
234	6605001113645	0.00084	1	1.00	0.00429	6	0.41							9.70	-4.16
235	5826004449847	0.00092	1	0.50	0.00636	5	0.34							6.55	-4.30
236	6610009942170	0.00107	1	0.67	0.00407	6	0.34							10.23	-4.34
237	6605009876166	0.00085	1	0.67	0.00965	5	0.11							4.32	-4.40
238	1280009338793NT	0.00123	1	1.00	0.00487	7	0.54							8.56	-4.59
239	6110000978394BF	0.00267	2	1.00	0.00366	23	3.19							11.37	-4.66
240	6610004546632BF	0.00666	1	1.00	0.00926	12	1.84							4.50	-4.78
241	5865NC134683LEW	0.00496	1	1.00	0.00689	12	1.60							6.04	-4.98
242	5841000738241	0.00461	1	1.00	0.00667	12	1.48							6.25	-5.26
243	6615009825301	0.00147	1	1.00	0.00523	8	0.70							7.97	-5.30
244	5895009190400	0.00449	2	1.00	0.01085	20	1.84							3.84	-5.77
245	5895001688798	0.00877	1	1.00	0.00964	15	1.78							4.32	-5.83
246	5895005205891	0.00824	1	1.00	0.01055	14	1.89							3.95	-6.04
247	5831007825305	0.00179	2	1.00	0.01294	15	0.78							3.22	-6.05
248	6615010159539BF	0.00396	1	0.70	0.00947	9	0.60							4.40	-6.05
249	6610008451070	0.00334	1	1.00	0.00410	14	1.72							10.16	-6.30
250	2920010139867YP	0.00090	1	0.45	0.00288	8	1.69							14.49	-6.69

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	RESUPP DAYS	RESUPP NORS
251	5841000656743	0.00935	1	1.00	0.00850	18	2.17							4.90	-7.06
252	6615000228011	0.00271	1	1.00	0.00724	11	0.95							5.75	-7.33
253	6615000593851	0.00608	1	1.00	0.00316	26	4.64							13.20	-8.00
254	5845008100140	0.00909	1	1.00	0.00871	19	2.31							4.78	-8.59
255	6720001034963	0.00066	1	0.52	0.00358	10	0.23							11.65	-9.09
256	6680006518045	0.00332	1	1.00	0.00389	18	2.51							10.70	-9.96
257	5895009190410	0.00163	2	0.08	0.00992	22	0.07							4.20	-10.87
258	5895007908764	0.00558	1	1.00	0.00840	18	1.40							4.96	-11.40
259	5895008100189	0.00973	1	1.00	0.00854	24	2.85							4.88	-12.66
260	2910010092822YP	0.00164	1	0.45	0.00278	16	4.73							15.01	-13.53
261	1630008521432	0.00068	2	1.00	0.00402	58	0.74							10.37	-27.39
262	6610009853112BF	0.00352	1	1.00	0.00333	42	20.71							12.50	-32.10

```
 FINAL REPORT
FOR A TOTAL OF              262 COMPONENTS
TOTHOR=  0.63320921E 00  TCOST=  0.15731695E 08

  SNUMB = 7159U, ACTIVITY # = 01, REPORT CODE = 06, RECORD COUNT = 002534

M,IQPA,FAP=                 42                2   0.10000000E 01

M,IQPA,FAP=                 42                2   0.10000000E 01

M,IQPA,FAP=                 42                2   0.10000000E 01

M,IQPA,FAP=                 42                2   0.10000000E 01

M,IQPA,FAP=                 42                2   0.10000000E 01

M,IQPA,FAP=                 42                2   0.10000000E 01

M,IQPA,FAP=                 42                1   0.10000000E 01
J,M,BMDSHARE=               135              42   0.12435233E 00
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                                REMOVAL                REPAIR  INITIAL                                PRORATING  TOTAL   TOTAL     TOTAL
INDEX       NSN                  RATE     OPA  FAP      RATE    STOCK   RESUPPLY  FBO      COST    FACTOR     STOCK  RESUPPLY   FBO

  1  1095004538407             0.00107    1  1.00  0.           3        0.36  0.001   12312.   1.0000       3       0.36    0.001

 M,IOPA,FAP=                    42                 1    0.36000000E 00
 J,M,BMDSHARE=                   135                42    0.14486922E 00
  2  1270000041879             0.00106    1  0.36  0.           3        0.10  0.        6659.   1.0000       3       0.10    0.

 M,IOPA,FAP=                    42                 1    0.10000000E 01
 J,M,BMDSHARE=                   135                42    0.74303406E-01
  3  1270000231042             0.00064    1  1.00  0.           5        0.26  0.        4050.   1.0000       5       0.26    0.

 M,IOPA,FAP=                    42                 1    0.10000000E 01
 J,M,BMDSHARE=                   135                42    0.74303406E-01
  4  1270000238954             0.00137    1  1.00  0.           4        0.28  0.        2768.   1.0000       4       0.28    0.

 M,IOPA,FAP=                    42                 1    0.10000000E 01
 J,M,BMDSHARE=                   135                42    0.74303406E-01
  5  1270000238962             0.00262    1  1.00  0.           5        0.59  0.        6424.   1.0000       5       0.59    0.

 M,IOPA,FAP=                    42                 1    0.23000000E 00
 J,M,BMDSHARE=                   135                42    0.33610034E-01
  6  1270000238963             0.00442    1  0.23  0.           4        0.26  0.       49238.   1.0000       4       0.26    0.

 M,IOPA,FAP=                    42                 1    0.10000000E 01

 M,IOPA,FAP=                    42                 1    0.10000000E 01

 M,IOPA,FAP=                    42                 1    0.10000000E 01
 J,M,BMDSHARE=                   135                42    0.14486922E 00
  7  1270000641997             0.00441    1  1.00  0.           6        1.35  0.001   37311.   1.0000       6       1.35    0.001

 M,IOPA,FAP=                    42                 1    0.37000000E 00
 J,M,BMDSHARE=                   135                42    0.96003459E-01
  8  1270001095653             0.00080    1  0.37  0.           2        0.06  0.        4306.   1.0000       2       0.06    0.

 M,IOPA,FAP=                    42                 1    0.37000000E 00

 M,IOPA,FAP=                    42                 1    0.36000000E 00
 J,M,BMDSHARE=                   135                42    0.14486922E 00
  9  1270001185901             0.00136    1  0.36  0.           2        0.12  0.000    3582.   1.0000       2       0.12    0.000

 M,IOPA,FAP=                    42                 1    0.36000000E 00
 J,M,BMDSHARE=                   135                42    0.14486922E 00
 10  1270001487615             0.00453    1  0.36  0.           3        0.37  0.001   46958.   1.0000       3       0.37    0.001

 M,IOPA,FAP=                    42                 1    0.37000000E 00

 M,IOPA,FAP=                    42                 1    0.37000000E 00

 M,IOPA,FAP=                    42                 1    0.37000000E 00

 M,IOPA,FAP=                    42                 1    0.37000000E 00

 M,IOPA,FAP=                    42                 1    0.37000000E 00

 M,IOPA,FAP=                    42                 1    0.37000000E 00

 M,IOPA,FAP=                    42                 1    0.37000000E 00
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M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00
J,M,BMDSHARE=         135         42   0.96003459E-01
 12  1270003495215   0.00097   1  0.37  0.        1      0.12  0.007   5247.  1.0000     1      0.12   0.007

M,IOPA,FAP=          42          1   0.37000000E 00
J,M,BMDSHARE=         135         42   0.96003459E-01
 13  1270003495219   0.00099   1  0.37  0.        1      0.28  0.035  23289.  1.0000     1      0.28   0.035

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00

M,IOPA,FAP=          42          1   0.37000000E 00
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APPENDIX K

SAMPLE OF AN SGM SPARES DATA BASE FOR A NOTIONAL BASE

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$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

 $$$$$$             $$$$               $              $$$$             $     $
      $           $      $            $$            $      $           $     $
     $                   $             $              $$$$             $     $
    $               $$$                $            $      $           $     $
   $              $                    $            $      $           $     $
  $               $$$$$$              $$$             $$$$              $$$$

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


$$     7218U ENTERED C       AT 12.095 FROM TSS/S   0-08-12


0001  $       SNUMB   7218U
0002  $       COMMENT OS29SLAY         TSS CARDIN
0003  $$      USERID  OS29SLAY$##########
0004  $       IDENT   OS2011N232D ,OS29USLAY                                    0110
0005  $       NOTE    SET3UPN RUN FOR ABELL                                      120
0006  $       OPTION  FORTRAN                                                  00130
0007  $$      SELECT  LA61A/STARS/OBJECT/DM/SETUPN.O                           00140
0008* $       OBJECT   LA61A/STARS/SOURCE/DM/SETUP  2/4/81  FOR I Y21.025090481......00
0010  $$      SELECT  LA61A/LMILIB.O/PIPECMPO                                  00150
0011* $       OBJECT   LA61A/LMILIB/PIPECMP  2/3/81  BY FMS       Y13.749090581PIPECM00
0013  $$      SELECT  LA61A/LMILIB.O/EBOCMP.O                                  00160
0014* $       OBJECT   LA61A/LMILIB/EBOCMP  2/3/81  BY FMS        Y13.762090581EBOCMP00
0016  $$      SELECT  LA61A/LMILIB.O/DFACTLNO                                  00170
0017* $       OBJECT   LA61A/LMILIB/DFACTLN  BY MJK               Y14.983020781DFACTL00
0019  $$      SELECT  LA61A/LMILIB.O/MSORTD.O                                  00175
0020* $       OBJECT   LA61A/LMILIB/MSORTD  3/6/81  BY MJK        Y23.249030581MSORTD00
0022 A$       EXECUTE                                                         000180
0023  $       LIMITS  39,25K,,10K                                              00190
0024  $       TAPE9   01,A1DD,,26393,,###                                    .  0200
0025  $$      PRMFL   02,W,S,LA61A/SLAY/DATA/F4/NOTIONAL                         0210
0026  $       DATA    05                                                         220
0027  $       ENDJOB                                                          000250
  TOTAL CARD COUNT THIS JOB = 000151


 * BEGIN ACTIVITY -01-  GELOAD   09/07/81   SW=000000000000
INPUT STARTED     WITH #26393  FOR FILE CODE 01 GE  600 BTL  AFDSC 26393 26393  0001 A1248   000DIST
  * NORMAL TERMINATION      AT 021553 I=5000 SW=000000000000

      START 12.144      LINES   6732      PROC  0.0957       I/D   0.029    IU  5   MEMORY   25K
      STOP  12.276      LIMIT  10240      LIMIT 0.3900      LIMIT             CU  5   M*T    12886
      SWAP   0.000
      LAPSE  0.132    FC D TYPE      BUSY    IP/AT    FP/RT    IS/#C MS/#E    ADDRESS T#

                      05 R D191 *       7        0        1        1     1    0-08-12
                      R* R D191 *     122        0        0       12    12    0-08-12
                      01 D TAP9     95848               0/03     7112     0    0-16-04 #26393
                      02 R D191 P     338        0       16        1    20    0-08-16
                      P*  SYOUT
                      L* R D191 *     874        0        0      624  624R    0-08-02

       LIST     115 LINES AT STA.  XL
       RC-52    928 LINES AT STA.  XL
       RC-06   5689 LINES AT STA.  XL
```

PROCESSOR	I/O	CORE	TOTAL
$ 3.06	$ 1.70	$ 5.93	$ 10.69

SNUMB = 7218U, ACTIVITY # = 01, REPORT CODE = 7A, RECORD COUNT = 000115

ORIGIN	DATE	MODULE	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION	ENTRY LOCATION

SUBPROGRAMS INCLUDED IN DECK.

			$ OPTION FORTRAN				00130
060054	09/04/81	....	 060054				
			.DATA. 032260				
032052	09/05/81	PIPE	PIPECM 032052				
			.DATA. 032010				
031670	09/05/81	EBDC	EBDCMP 031670				
			.DATA. 031650				
031564	02/07/81	DEAC	DEACTL 031564				
			.DATA. 031430				
031326	03/05/81	MSOR	MSORTD 031326				

SUBPROGRAMS OBTAINED FROM SYSTEM LIBRARY

031044	05/17/73	FDLG	.DLOG1	031052	.DLOGD	031045	DLOG10	031044	DLOG	031051	
030754	05/17/73	FSQR	.SQRT1	030756	SQRT	030754					
030616	05/18/73	FALG	.ALOG1	030626	.ALOGT	030620	ALOG10	030616	ALOG	030624	
030506	05/18/73	FEXP	.EXP1	030510	EXP	030506					
027366	11/08/73	FRDB	.FRDB.	027715	.FWRB.	027454	.FBLT.	030226	.FBDT.	030214	.FRLR. 030120
			.FWLR.	030146	.FBBC.	030063	.FBBCA	030061			
027040	05/18/73	FRDD	.FRDD.	027210	.FWRD.	027211	.FPUN.	027212	.FFNC.	027213	.FDEC. 027214
			.FRCD.	027215	.FPRN.	027216	.FRTN.	027217	.FFIL.	027220	.DBCNV 027221
			.BDCNV	027243	..ABLK	027053	.QCOMP	027102	..LNSZ	027112	..A37R 027207
			.PRNIT	027055	.ASTRK	027362	..TC	027057	.POINT	027077	.SIGN 027100
			.FRNTR	027262	.FRMT7	027262	.PUINT	027056	.FILL	027110	..A2 027044
			.FXMC.	027041	..A7	027106	..A1	027044	..A3	027054	..A4 027104
			..A8	027110	..A9	027113	..A13	027114	..A14	027115	..A15 027116
			..A17	027117	..A18	027044	..A21	027122	..A24	027044	..A30 027261
			..A31	027133	..A27	027130	..A32	027156	..A33	027160	..A34 027161
			..A35	027162	..A37	027203	..A51	027042	..A52	027040	.LPRCH 027046
			.CMACH	027047	.FCHR	027050	.OCT60	027045	.UPPRT	027051	.UPPRF 027052
			.LWRT	027051	.LWRF	027052	.RCW18	027132			
023470	04/11/77	FDIO	.FRD	026251	.FWRT	026165	.FPN	026160	.FNC	026372	.FDC 026415
			.FCD	026251	.FPR	026165	.FFL	026355	.FRT	026342	.IO1 026020
			.IO5	026113	.LBCTR	026755	.FFDBC	027030	.FCNVI	024266	.FCNVR 024275
			.FCNV2	024360	.SKPB1	024246	.INCTR	027032	.CKSTA	024453	.FMSC1 023523
			.FMSC2	023511	.FMSC4	023526	.FMSC5	023563	.FMSC6	023535	.EFFIG 027031
			.SVRG	023474	.RETIN	023507	.GTARG	026175	.SXIT	023600	.LNBGN 026443
			.SKPB4	024255	.VLIST	024204	.CSCEP	023616	.CEFXD	023606	.CEFIT 023670
			.CDFLT	023667	.CSLSH	026004	.CDCPT	024367	.CSCFM	023614	.CCMMA 023632
			.CRPAR	023726	.CLPAR	023672	.LBUFF	026756	.SKPB3	024262	.CKSTP 024435
			..CKST	024405	.DATUM	026740	..STOP	024630	.VCOMA	025254	..CCR 025267
			.CD1	024470	.FWS7	027020	.FCNV.	024345	.STP	024623	.FCNVD 024304
			.FCNVI	024314	.FCNVC	024323					
023416	05/15/73	FEOF	.FEOF.	023416							
023252	04/11/77	FSLW	.FSLEW	023252							
022740	05/09/73	FXEM	FXEM	022741	.FXEM.	022740	.F.XE	022751	F.XMC	023100	.TAB1 023230
			.LSTMS	023240	.KIND	023054	.HUGG	023053	.MXERR	022742	..FX1 022744
			..FX2	022766	..FX3	022774	..FX10	023063	.LRG	023010	..FX8 022774

ORIGIN	DATE	MODULE	ENTRY	LOCATION	ENTRY	LOCATION	ENTRY	LOCATION	ENTRY	LOCATION	ENTRY	LOCATION
			..FX9	022765	.CLLR	023204	.FYDEE	023206	..FX4	022776	..FX5	022775
			..FX6	023041	..FX7	023070						
021570	04/11/77	FXER	.FXM.	021610	F.XM	022244	ANYERR	022413	FXOPT	022275	FXDVCK	022335
			.FGERR	022266	FXALT	022352	.FXALT	022364	S.REG.	021600	FXDV	022670
			FXFDV	022666	FXCODE	022223	.TSMS	022366	.MSX	022372	.FXPNT	022124
			.FXIRC	021677	.FXSW1	022224	.FXSW2	022230	.FXSW3	022234	ERRLK	022421
			.FLIPR	022423								
021510	05/30/73	FXIT	.FEXIT	021510	FXIT	021510	.JEXIT	021510	JEXIT	021510		
020730	04/11/77	FOPE	.FOPEN	020757	.FHAD.	020752	.FHFTB	021431	.FXOP.	021200	.FGTFB	020753
			.FJOV.	020755								
020472	07/09/72	FOPT	.FIDO.	020606								
020274	10/26/72	FCOM	.FCOM.	020306	.FCOMA	020303	.FCOM	020310				
020156	10/26/72	FCHA	.FCHMA	020162	.FCHM.	020164	.FCHM	020165				
020032	06/21/73	FSTU	.FSETU	020057	.SETU.	020057	.RCOV	020046	FPARAM	020032	.FMDB.	020047
			.FTL	020055	.FLTX1	020055	.LINSZ	020050				
020030	08/09/73	FBCD	.ASCB.	020030	.ASCB	020030						
017626	04/05/73	FTAB	.GTAB.	017626								
017622	04/11/77	FMXN	.MXNO	017622	.NMXNO	017623	.GFLG	017624	.FRFNT	017625		
017540	07/09/72	GWAI	.GWAIT	017540	.GAWAI	017540	WAIT	017540				
017510	07/09/72	GSTI	.GSTIN	017510	SETIN	017510						
017414	07/09/72	GSTO	.GSTOT	017414	SETOUT	017414						
017344	07/09/72	GWRC	.GWTRC	017344	.GAWTR	017344	WTREC	017344				
016614	06/18/73	GGTB	.GGTBK	016614	GETBK	016614	.GGET	016616	GET	016616	.GAGTB	016614
			.GAGET	016616	.GR001	016620						
016606	07/09/72	GRMT	.GUPNR	016606	.GCLSR	016606	.GGETR	016606	.GPUTR	016606		
016060	11/08/73	GPTB	.GCOPY	016060	COPY	016060	.GPTBK	016063	PUTBK	016063	.GPUT	016066
			PUT	016066	.GACOP	016060	.GAPTB	016063	.GAPUT	016066	.GFR67	016563
015762	07/09/72	GPSZ	.GPTSZ	015762	.GAPTS	015762	PUTSZ	015762				
015176	04/26/73	GOPE	.GOPEN	015176	.GAOPE	015176	OPEN	015176				
015170	07/09/72	GRNT	.GXREA	015170	.GXWRT	015170	.GXLAB	015170	.GXOPN	015171		
014514	06/05/73	GCLO	.GCLSE	014514	.GACLS	014514	.GR185	014624	.GR186	014716	.GR178	014631
			CLOSE	014514	.GBCLS	014514						
014414	07/09/72	GREL	.GRLSE	014414	.GARLS	014414	RELSE	014414				
014232	07/09/72	G20R	.GR200	014232								
014150	07/09/72	G25R	.GR225	014150								
014074	04/26/73	G50R	.GR250	014074								
013616	11/08/73	G27R	.GR275	013616								
013444	07/09/72	G37R	.GR377	013502	.GR375	013444	.GR47X	013521	.GR390	013541		
013422	07/09/72	G60R	.GR960	013427	.GARTB	013422						
013144	07/09/72	GA0R	.GR980	013144	.GR979	013236	.GR99X	013150	.GR984	013206	.GR985	013236
			.GR999	013154								
013112	07/09/72	G90R	.GR990	013112	.GR991	013133	1SAUGS	013140				
012252	07/09/72	GLAB	.GIOBD	012257	.GOUTB	012256	.GINTL	012255	.GOUTL	012254	.GUSWH	012253
			.GOVRI	012260	.GLREA	012350	.GRCVY	012252	.GRPRV	012307		
012250	04/11/77	GINI	.GIOID	012250								

	RANGE	SIZE
ALLOCATED CORE	000000 THRU 061777	062000
RELOCATABLE	012250 THRU 061777	047530

```
$      TAPE9    01,A100,,26393,,###                                          0200
$      PRMFL    02,W,S,LA61A/SLAY/DATA/FOO/OPTIONAL                          0210
```

```
72180 01  09-07-81   12.145                                                                    PAGE      3

  ORIGIN   DATE MODULE ENTRY LOCATION    ENTRY LOCATION    ENTRY LOCATION    ENTRY LOCATION    ENTRY LOCATION

                       $      DATA    05                                                        220

                       FCB AND BUFFER SPACE
                          AVAILABLE       000101 THRU 012247       012147
                          FILE CTRL BLKS  012016 THRU 012250       000233
                          MAXIMUM BUFFER SPACE REQUIRED            003105

                           22K, IS THE MINIMUM MEMORY NEEDED TO LOAD THIS ACTIVITY WITH ALL FILES OPEN     730517 F/A
                       001232 LOCATIONS REQUIRED FOR LOAD TABLE
                       EXECUTION PROGRAM ENTERED AT  060054   THROUGH  .FSETU


   SNUMB = 72180, ACTIVITY # = 01, REPORT CODE = 52, RECORD COUNT = 00092A

FOR INTERACTIVE DECISION #              15
THE FLYING HOUR PROGRAMS FOR THE USED MOSS ARE
             320              497              82
 DF=             899
```

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	FBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL FBO	NBASES
1	1095004538407	0.00107	1	0.64	0.00758	3	0.33	0.000	12312.	0.0813	34	2.90	0.005	12
2	1095009960098	0.00228	1	0.36	0.00695	5	0.30	0.	11577.	0.0346	134	8.77	0.	5
3	1270000041879	0.00106	1	0.20	0.00887	1	0.05	0.	6659.	0.0810	16	0.66	0.	12
4	1270000231042	0.00064	1	0.64	0.00562	3	0.17	0.	4050.	0.0486	71	3.49	0.	12
5	1270000238954	0.00137	1	0.64	0.01120	3	0.19	0.	2768.	0.0486	69	3.81	0.	12
6	1270000238962	0.00262	1	0.64	0.01021	4	0.39	0.	6424.	0.0486	85	7.96	0.	12
7	1270000238963	0.00442	1	0.22	0.00817	3	0.26	0.	49238.	0.0327	80	7.85	0.	12
8	1270000641997	0.00441	1	0.55	0.00487	4	0.70	0.001	37311.	0.0810	53	9.29	0.011	12
9	1270001095653	0.00080	1	0.20	0.00771	2	FOR INTERACTIVE DECISION #				15			

THE FLYING HOUR PROGRAMS FOR THE USED MOSS ARE

320 497 82

UF= 899

INDEX	NSN	REMOVAL RATE	OPA	EAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	NBASES
1	109500[illegible]407	0.00107	1	0.64	0.00758	3	0.33	0.000	12312.	0.0813	34	2.90	0.005	12
2	109500996009A	0.00228	1	0.36	0.00695	5	0.30	0.	11577.	0.0346	134	8.77	0.	5
3	1270000041879	0.00106	1	0.20	0.00887	1	0.05	0.	6659.	0.0810	16	0.66	0.	12
4	1270000231042	0.00064	1	0.64	0.00562	3	0.17	0.	4050.	0.0486	71	3.49	0.	12
5	1270000238954	0.00137	1	0.64	0.01120	3	0.19	0.	2768.	0.0486	69	3.81	0.	12
6	1270000238962	0.00262	1	0.64	0.01021	4	0.39	0.	6424.	0.0486	85	7.96	0.	12
7	1270000238963	0.00442	1	0.22	0.00817	3	0.26	0.	49238.	0.0327	80	7.85	0.	12
8	1270000641997	0.00441	1	0.55	0.00487	4	0.70	0.001	37311.	0.0810	53	9.29	0.011	12
9	1270001095653	0.00080	1	0.20	0.00771	2	0.04	0.	4306.	0.0537	35	0.66	0.	12
10	1270001185901	0.00136	1	0.20	0.00906	1	0.04	0.001	3582.	0.0810	18	0.82	0.010	12
11	1270001487615	0.00453	1	0.20	0.00972	2	0.22	0.002	46958.	0.0810	26	2.56	0.021	12
12	1270003482091	0.00064	1	0.20	0.00253	1	0.23	0.024	16460.	0.0537	12	2.02	0.455	12
13	1270003495215	0.00097	1	0.20	0.00640	1	0.21	0.021	5247.	0.0537	10	1.30	0.384	12
14	1270003495219	0.00099	1	0.20	0.00303	1	0.18	0.016	23289.	0.0537	19	2.87	0.294	12
15	1270003495873	0.00090	1	0.20	0.00285	1	0.16	0.012	29698.	0.0537	19	2.46	0.223	12
16	1270003528728	0.00100	1	0.20	0.00305	1	0.17	0.014	12255.	0.0537	20	2.83	0.255	12
17	1270003939141	0.00061	1	0.20	0.00533	1	0.06	0.002	3065.	0.0537	20	0.92	0.031	12
18	1270004752473	0.00077	1	0.22	0.00644	1	0.03	0.000	6359.	0.0327	33	1.95	0.013	12
19	1270004767945	0.00092	1	0.55	0.00321	4	0.53	0.000	9780.	0.0810	45	4.85	0.003	12
20	1270004767946	0.00207	1	0.55	0.01006	3	0.26	0.	20018.	0.0810	37	3.24	0.	12
21	1270005429309	0.00083	1	0.20	0.00290	1	0.16	0.012	1235.	0.0537	19	2.46	0.222	12
22	1270005518449	0.00140	1	0.20	0.00278	2	0.36	0.007	19279.	0.0537	32	4.62	0.123	12
23	1270005518451	0.00086	1	0.20	0.00319	1	0.10	0.005	10494.	0.0537	25	2.34	0.084	12
24	1270005518452	0.00737	1	0.20	0.00890	3	0.47	0.002	72822.	0.0537	55	7.59	0.028	12
25	1270005562269	0.01025	1	0.20	0.00538	4	0.95	0.003	78863.	0.0810	48	10.48	0.043	12
26	1270009160176	0.00051	1	0.64	0.00237	3	0.32	0.000	2594.	0.0486	63	7.03	0.008	12
27	1270009755895	0.00053	1	0.64	0.00552	2	0.14	0.	1500.	0.0486	44	2.96	0.	12
28	1270010251430	0.00530	1	0.09	0.00245	5	2.43	0.055	41997.	0.3333	16	8.12	0.164	3
29	1270010251433	0.00147	1	0.09	0.00299	2	0.50	0.017	17999.	0.3333	7	1.85	0.050	3
30	1270010298391	0.00058	1	0.20	0.00493	1	0.07	0.003	586.	0.0537	19	1.02	0.048	12
31	1270010428441	0.00071	1	0.20	0.00209	1	0.19	0.016	29888.	0.0537	19	2.91	0.302	12
32	1270010588980	0.00483	1	0.55	0.00491	3	0.72	0.007	37311.	0.0810	32	6.47	0.092	12
33	128000933879 2NT	0.00156	1	0.64	0.00677	5	0.33	0.	4170.	0.0383	130	8.49	0.	12
34	128000933879 3NT	0.00123	1	0.64	0.00487	6	0.36	0.	5764.	0.0383	164	9.27	0.	12
35	1430000435192BF	0.00056	1	0.64	0.01063	1	0.10	0.005	6207.	0.0813	12	1.00	0.064	12
36	1430000600341BF	0.00070	1	0.64	0.00273	4	0.52	0.000	1057.	0.0813	46	5.07	0.003	12
37	1430000780463BF	0.00422	1	0.64	0.01052	4	0.90	0.003	40473.	0.0813	44	8.26	0.033	12
38	1430001117990BF	0.00144	1	0.64	0.00387	3	0.73	0.008	14424.	0.0813	35	7.65	0.094	12
39	1430001117993BF	0.00073	1	0.64	0.00288	3	0.40	0.001	9210.	0.0813	40	5.19	0.010	12
40	1430001326677BF	0.00067	1	0.64	0.00280	2	0.47	0.014	11411.	0.0813	23	4.91	0.170	12
41	1430001330189BF	0.00057	1	0.64	0.00340	4	0.28	0.	1825.	0.0813	46	3.44	0.	12
42	1430001444284BF	0.00088	1	0.64	0.00086	8	1.81	0.000	1189.	0.0813	98	20.99	0.002	12
43	1430001444292BF	0.00081	1	0.64	0.00294	4	0.53	0.000	1848.	0.0813	48	5.67	0.003	12
44	1430001444315BF	0.00067	1	0.46	0.00286	3	0.46	0.001	1992.	0.0814	31	3.52	0.017	12
45	1430001444319BF	0.00056	1	0.64	0.00233	2	0.42	0.010	5512.	0.0813	25	4.94	0.123	12
46	1430001444333BF	0.00426	1	0.03	0.00631	1	0.13	0.008	23856.	0.0810	9	0.59	0.096	12
47	1430001444336BF	0.00137	1	0.47	0.00143	5	1.34	0.003	847.	0.0814	59	15.11	0.038	12
48	1430001444407BF	0.00102	1	0.64	0.00445	4	0.38	0.	1535.	0.0813	53	4.73	0.	12
49	1430001458910BF	0.00421	1	0.64	0.01366	5	0.51	0.	9292.	0.0813	57	6.27	0.	12
50	1430001747045BF	0.01958	1	0.03	0.01021	3	0.15	0.	38220.	0.0810	31	1.84	0.	12

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	FBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL FBO	NBASES
51	1430001747048BF	0.01159	1	0.03	0.01052	3	0.09	0.	43927.	0.0810	38	1.08	0.	12
52	1430001790011BF	0.00053	1	0.03	0.00423	0	0.01	0.010	871.	0.0810	0	0.12	0.123	12
53	1430001834083BF	0.00349	2	0.03	0.00369	3	0.16	0.	2138.	0.0810	34	1.93	0.	12
54	1430001940072BF	0.00050	1	0.64	0.00660	3	0.25	0.000	6633.	0.0813	31	1.57	0.002	12
55	1430001946467BF	0.00084	1	0.64	0.00483	2	0.36	0.007	7084.	0.0813	23	3.69	0.083	12
56	1430002193773BF	0.00059	1	0.64	0.00312	4	0.30	0.	538.	0.0813	50	3.73	0.	12
57	1430002356325BF	0.01023	1	0.51	0.00976	4	1.38	0.017	43980.	0.0810	49	15.75	0.210	12
58	1430002471537BF	0.00075	1	0.64	0.00328	4	0.38	0.	1409.	0.0813	46	4.61	0.	12
59	1430002989723BF	0.00160	1	0.17	0.00269	2	0.19	0.001	1254.	0.0810	30	3.00	0.013	12
60	1430003592030BF	0.00082	1	0.03	0.00460	1	0.07	0.002	1667.	0.0810	9	0.18	0.026	12
61	1430003934750BF	0.00057	1	0.03	0.00360	1	0.01	0.	1291.	0.0810	18	0.15	0.	12
62	1430003980384BF	0.00096	1	0.64	0.00262	5	0.70	0.000	2893.	0.0813	61	7.77	0.001	12
63	1430004100845BF	0.00116	1	0.64	0.00314	5	0.62	0.	4449.	0.0813	62	7.61	0.	12
64	1430004902978BF	0.00379	1	0.64	0.00209	13	3.35	0.000	4285.	0.0813	161	37.28	0.000	12
65	1430005072644BF	0.00656	1	0.64	0.01070	6	1.09	0.000	29982.	0.0813	73	12.31	0.002	12
66	1430005072655BF	0.00721	1	0.17	0.00868	2	0.32	0.005	43069.	0.0810	27	4.18	0.060	12
67	1430005072656BF	0.00993	1	0.64	0.00711	12	2.28	0.	52964.	0.0813	147	28.00	0.	12
68	1430005203506BF	0.00438	2	0.03	0.00563	4	0.13	0.	12732.	0.0810	48	1.58	0.	12
69	1430005315163BF	0.00324	1	0.55	0.01170	3	0.41	0.001	10388.	0.0810	38	4.67	0.011	12
70	1430005957721BF	0.00061	1	0.03	0.00694	1	0.01	0.	1547.	0.0810	14	0.09	0.	12
71	1430008339603BF	0.00058	1	0.64	0.00250	4	0.46	0.000	3152.	0.0813	48	4.75	0.001	12
72	1430009190037BF	0.00142	1	0.55	0.00435	1	0.13	0.008	2231.	0.0810	14	1.85	0.094	12
73	1430009328553BF	0.00128	1	0.64	0.00227	6	0.94	0.	932.	0.0813	76	11.57	0.	12
74	1430010039780BF	0.00246	1	0.61	0.00868	5	0.45	0.	22731.	0.0813	56	5.53	0.	12
75	1430010039781BF	0.00293	1	0.38	0.00850	5	0.34	0.	14465.	0.0814	56	4.18	0.	12
76	1430010039782BF	0.00101	1	0.61	0.00947	4	0.17	0.	14387.	0.0813	51	2.08	0.	12
77	1430010384963BF	0.00151	1	0.64	0.00287	3	0.96	0.020	1328.	0.0813	35	10.61	0.248	12
78	1430010387038BF	0.01700	1	0.64	0.00589	4	4.71	1.233	26380.	0.0813	49	57.99	15.165	12
79	1430010387055BF	0.00484	1	0.64	0.00694	2	1.19	0.160	8540.	0.0813	24	14.01	1.963	12
80	1430010399244BF	0.01285	1	0.17	0.00539	0	0.97	0.668	111207.	0.0810	5	12.04	8.254	12
81	1430010454699BF	0.01786	1	0.64	0.00547	3	5.46	2.586	40422.	0.0813	35	65.59	31.802	12
82	1430010533212BF	0.00135	1	0.64	0.00694	1	0.27	0.033	12047.	0.0813	15	3.91	0.408	12
83	1430010597789BF	0.00064	1	0.64	0.00559	1	0.21	0.021	11999.	0.0813	12	2.30	0.263	12
84	1430010610350BF	0.00607	1	0.64	0.00694	2	1.49	0.278	14900.	0.0813	24	17.90	3.420	12
85	1430010682150BF	0.00137	2	0.55	0.00694	1	0.04	0.	2126.	0.0810	15	0.47	0.	12
86	1560000829118BF	0.00052	1	0.55	0.01113	1	0.08	0.003	3360.	0.0454	19	1.25	0.070	12
87	1560001430930BF	0.00108	1	0.55	0.00355	3	0.98	0.022	1012.	0.0810	31	9.10	0.270	12
88	1560001430932BF	0.00227	1	0.55	0.00469	3	0.65	0.005	900.	0.0810	41	8.58	0.063	12
89	1560004896617BF	0.00054	1	0.36	0.00282	0	0.18	0.141	8999.	0.1050	1	1.68	1.342	5
90	1560007883941BF	0.00066	1	1.00	0.00216	1	0.51	0.112	4729.	0.0278	33	14.11	4.015	17
91	1560007906873BF	0.00059	1	1.00	0.00496	1	0.21	0.021	4326.	0.0278	36	5.05	0.764	17
92	1560008670561BF	0.00073	2	1.00	0.00380	3	0.76	0.009	884.	0.0278	95	18.10	0.324	17
93	1560008724738BF	0.00067	1	0.36	0.00378	1	0.11	0.006	3461.	0.0346	41	4.58	0.182	5
94	1560009193697BF	0.00055	1	0.36	0.00260	3	0.18	0.	9317.	0.0346	88	5.10	0.	5
95	1560009193698BF	0.00055	1	0.36	0.00225	3	0.20	0.	1267.	0.0346	85	5.87	0.	5
96	1560009547752BF	0.00055	2	1.00	0.00230	5	0.86	0.000	1547.	0.0278	164	21.40	0.011	17
97	1560010345864BF	0.00225	1	0.09	0.00833	0	0.34	0.193	14399.	0.3333	1	1.01	0.579	3
98	1560010440249BF	0.00454	1	0.09	0.00161	6	3.68	0.134	5536.	0.3333	17	10.56	0.401	3
99	1560010446002BF	0.00064	1	0.09	0.00438	1	0.19	0.018	3059.	0.3333	3	0.52	0.053	3
100	1560010756968BF	0.00063	1	0.25	0.00242	1	0.16	0.013	21545.	0.1050	14	1.72	0.121	5

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	FRO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL FRO	NRASES
101	1620009438749	0.00107	1	0.36	0.00304	13	0.33	0.	877.	0.1050	127	3.10	0.	5
102	1620009891992	0.00077	1	1.00	0.00455	2	0.22	0.002	3751.	0.0278	84	7.42	0.059	17
103	1630002769849	0.00180	2	1.00	0.00532	6	0.79	0.	1863.	0.0278	229	28.51	0.	17
104	1630004463778	0.01676	2	1.00	0.00753	29	5.53	0.	3024.	0.0278	1038	198.50	0.	17
105	1630008521432	0.00068	2	1.00	0.00402	71	0.44	0.	380.	0.0278	2541	15.95	0.	17
106	1630010266543	0.00089	1	0.64	0.00326	3	0.47	0.002	3213.	0.0383	79	10.39	0.042	12
107	1650001486506BF	0.00120	2	0.95	0.00347	5	0.40	0.	8269.	0.0270	175	14.93	0.	17
108	1650003500992BF	0.00118	1	1.00	0.00350	4	0.45	0.	698.	0.0278	140	16.01	0.	17
109	1650007906855BF	0.00082	1	1.00	0.00520	5	0.21	0.	853.	0.0278	174	7.48	0.	17
110	1650008369785BF	0.00057	1	0.64	0.00622	2	0.14	0.	5484.	0.0813	27	1.73	0.	12
111	1650009243005BF	0.00075	2	0.95	0.00320	3	0.28	0.000	2670.	0.0270	121	9.87	0.008	17
112	1650009243006BF	0.00082	2	0.95	0.00395	4	0.23	0.	2664.	0.0270	155	8.70	0.	17
113	1650009995494BF	0.00085	1	1.00	0.00477	3	0.32	0.000	3956.	0.0278	101	7.58	0.012	17
114	1650010841569	0.00408	2	1.00	0.00411	15	1.85	0.	27808.	0.0335	445	55.19	0.	17
115	1660000714255	0.00513	1	0.91	0.00224	14	2.43	0.	1662.	0.0196	721	123.78	0.	17
116	1660000893553	0.00072	1	0.91	0.00494	2	0.15	0.	3587.	0.0261	89	5.70	0.	17
117	1660001359566	0.00185	1	0.91	0.00265	5	0.85	0.000	4820.	0.0261	192	28.15	0.011	17
118	1660004463827	0.00057	1	0.91	0.00455	2	0.27	0.003	1080.	0.0261	60	5.45	0.105	17
119	1660004959012BF	0.00175	1	1.00	0.00355	6	0.61	0.	4032.	0.0278	212	22.00	0.	17
120	1660006778330	0.00056	1	0.36	0.00397	1	0.15	0.011	2367.	0.1050	13	1.22	0.106	5
121	1660007384612	0.00062	1	0.36	0.00436	5	0.13	0.	2924.	0.1050	46	1.25	0.	5
122	1660007384614	0.00053	2	0.36	0.00566	10	0.17	0.	1154.	0.1050	93	1.65	0.	5
123	1660007935799	0.00225	1	1.00	0.00354	8	0.81	0.	3308.	0.0278	290	29.09	0.	17
124	1660009091473	0.00065	1	0.91	0.00310	3	0.24	0.	2700.	0.0261	113	9.25	0.	17
125	1660010215625	0.00066	1	1.00	0.00316	4	0.24	0.	1728.	0.0175	228	13.93	0.	17
126	1680001140314BF	0.00139	1	0.36	0.01389	0	0.10	0.099	2867.	0.1050	0	0.95	0.946	5
127	1680004500573BF	0.00090	3	0.94	0.00297	4	0.61	0.000	5096.	0.0267	134	14.40	0.017	17
128	1680007335768LS	0.00050	4	0.95	0.00423	6	0.29	0.	3404.	0.0270	213	10.78	0.	17
129	1680007580950BF	0.00230	1	0.36	0.00389	3	0.77	0.009	1338.	0.1050	31	5.18	0.089	5
130	1680007580952BF	0.00057	1	0.36	0.00329	2	0.39	0.008	1338.	0.1050	15	1.52	0.079	5
131	1680009185594BF	0.00059	1	0.30	0.00454	2	0.25	0.002	1897.	0.1050	19	1.04	0.021	5
132	1680010520816LS	0.00103	2	1.00	0.00380	5	0.79	0.000	1475.	0.0278	184	24.11	0.007	17
133	2620000884523	0.01708	2	0.88	0.00231	83	17.16	0.	299.	0.0278	2967	616.35	0.	17
134	2620010579673	0.02334	2	0.12	0.00198	20	3.70	0.	299.	0.0278	723	132.87	0.	17
135	2835006825352	0.00109	1	0.16	0.00533	4	0.29	0.	2471.	0.0267	158	11.00	0.	5
136	2835006825353	0.00059	1	0.16	0.00420	3	0.33	0.000	646.	0.0267	106	7.59	0.014	5
137	2840001335090PL	0.00076	2	0.26	0.00289	1	0.54	0.123	6169.	0.0346	32	14.39	3.540	5
138	2840004262102PL	0.00164	2	0.26	0.00293	1	0.52	0.115	193599.	0.0346	26	10.80	3.323	5
139	2840006865740PL	0.00052	2	0.90	0.00351	3	0.68	0.006	606.	0.0316	95	15.17	0.188	17
140	2840006903727PL	0.00162	2	0.36	0.00311	1	0.15	0.011	1573.	0.0346	24	1.59	0.328	5
141	2840007940417PL	0.00120	2	0.26	0.00292	2	0.61	0.028	14448.	0.0346	48	11.83	0.811	5
142	2840008717414PL	0.00084	2	0.90	0.00180	1	1.44	0.678	24039.	0.0316	29	42.69	21.466	17
143	2840008846275PL	0.00053	2	0.90	0.00299	3	0.75	0.009	645.	0.0316	93	16.75	0.274	17
144	2840009075488PL	0.00141	2	0.36	0.00389	1	0.03	0.001	7165.	0.0346	39	1.11	0.017	5
145	2840009818049PL	0.00149	2	0.26	0.00171	1	0.77	0.232	11831.	0.0346	40	27.01	6.704	5
146	2840009968290PL	0.00053	2	0.26	0.00261	1	0.30	0.041	16561.	0.0346	39	10.73	1.174	5
147	2840010269455PL	0.00083	2	0.90	0.00303	5	1.23	0.002	8489.	0.0316	147	25.74	0.064	17
148	2840010272395PL	0.00082	2	0.90	0.00319	5	0.85	0.000	6741.	0.0316	171	23.02	0.009	17
149	2840010564217PL	0.00062	2	0.26	0.00228	0	0.47	0.405	26695.	0.0346	3	13.66	11.703	5
150	2910009108455YP	0.00168	1	0.16	0.00604	4	0.40	0.	2672.	0.0267	160	15.15	0.	5

INDEX	NSN	REMOVAL RATE	OPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	NBASES
151	2910016092822YP	0.00164	1	0.25	0.00278	11	2.55	0.000	3864.	0.0447	246	59.15	0.000	12
152	2915000833452PL	0.00052	2	0.26	0.00365	4	0.24	0.	6589.	0.0346	104	6.87	0.	5
153	2915001338007PL	0.00068	2	0.64	0.00292	5	0.81	0.000	7972.	0.0813	63	9.61	0.003	12
154	2915010887077PL	0.00055	2	0.64	0.00347	4	0.51	0.000	41397.	0.0813	51	6.39	0.003	12
155	2920010139867YP	0.00090	1	0.41	0.00288	6	1.00	0.000	1932.	0.0177	322	49.49	0.005	17
156	2935007892422	0.00064	2	0.91	0.00357	5	0.38	0.	4461.	0.0261	198	14.64	0.	17
157	2995001598730	0.00163	2	1.00	0.00380	8	1.10	0.	1249.	0.0278	299	39.51	0.	17
158	2995006141130PL	0.00069	2	0.90	0.00380	4	0.73	0.001	370.	0.0316	124	16.44	0.034	17
159	2995006911224	0.00179	2	1.00	0.00331	7	1.47	0.000	14060.	0.0278	255	45.92	0.006	17
160	4130010397267PK	0.00162	1	0.18	0.00388	1	0.37	0.062	32624.	0.1050	10	2.07	0.586	5
161	4140009414335TP	0.00150	1	0.36	0.00399	4	0.35	0.	645.	0.1050	38	3.29	0.	5
162	4310010183040BF	0.00157	1	1.00	0.00281	3	0.66	0.005	3954.	0.0278	120	24.89	0.194	17
163	4320000586925HS	0.00160	4	1.00	0.00418	20	1.88	0.	2240.	0.0269	754	69.98	0.	17
164	4810000893550TP	0.00069	1	0.91	0.00531	3	0.14	0.	1989.	0.0261	96	5.49	0.	17
165	4820008691900BF	0.00064	1	0.36	0.00440	3	0.12	0.	746.	0.0346	99	3.49	0.	5
166	5821001387991	0.00173	1	0.36	0.00949	5	0.27	0.	4434.	0.0052	903	52.09	0.	5
167	5821008801955	0.00548	1	0.36	0.00689	13	0.80	0.	20114.	0.1050	122	7.59	0.	5
168	5821010512886	0.00166	1	0.05	0.00280	0	0.09	0.002	3830.	0.0047	94	19.16	0.317	8
169	5821010668605	0.00218	1	1.00	0.00603	2	0.63	0.030	2205.	0.0278	63	16.99	1.089	17
170	5826000897912	0.00233	1	0.91	0.00372	6	0.84	0.000	1653.	0.0225	259	25.96	0.001	17
171	5826002560655	0.00252	1	0.07	0.00431	0	0.11	0.075	53996.	0.1050	2	1.05	0.716	5
172	5826004120522	0.00326	1	0.02	0.00918	1	0.02	0.	7799.	0.0555	18	0.41	0.	5
173	5826004449847	0.00092	1	0.45	0.00636	2	0.18	0.	1871.	0.0261	90	6.93	0.	17
174	5826004889723	0.00368	1	0.02	0.00496	1	0.09	0.004	41997.	0.0253	25	2.24	0.151	5
175	5826009941578	0.00050	1	0.55	0.00503	1	0.09	0.004	3481.	0.0324	46	3.69	0.117	12
176	5826010121938	0.00080	1	0.36	0.00174	7	0.93	0.	9287.	0.0048	1353	192.92	0.	5
177	5826010183511	0.00168	2	1.00	0.00186	6	2.53	0.021	757.	0.0278	209	81.49	0.759	17
178	5826010329923	0.00056	1	1.00	0.00628	2	0.22	0.002	612.	0.0277	63	4.41	0.057	17
179	5826010329930	0.00195	1	1.00	0.00576	5	0.58	0.003	2537.	0.0261	130	23.20	0.132	17
180	5826010395000	0.00600	1	0.24	0.00322	0	0.65	0.513	67148.	0.0500	4	13.03	10.260	17
181	5826010395013	0.00340	1	0.24	0.00294	1	0.53	0.117	6251.	0.0500	18	8.09	2.338	17
182	5826010395015	0.00113	1	0.24	0.00261	0	0.15	0.113	9630.	0.0500	3	3.02	2.266	17
183	5826010397621	0.00051	1	1.00	0.00221	2	0.44	0.011	1062.	0.0286	60	10.23	0.402	17
184	5826010401785	0.00692	1	0.17	0.00315	1	0.95	0.339	25318.	0.0810	12	11.39	4.188	12
185	5826010403093	0.00217	1	0.24	0.00301	0	0.24	0.121	17505.	0.0500	8	4.88	2.426	17
186	5826010408428	0.00094	1	0.24	0.00819	1	0.15	0.010	2489.	0.0500	12	0.79	0.202	17
187	5826010419255	0.00252	1	0.24	0.00337	1	0.35	0.054	8039.	0.0500	20	5.05	1.076	17
188	5826010419380	0.00096	1	0.24	0.00343	1	0.22	0.022	6359.	0.0500	15	1.95	0.435	17
189	5826010419381	0.00104	1	0.24	0.00424	1	0.18	0.015	2400.	0.0500	18	1.72	0.295	17
190	5826010419398	0.00122	1	0.24	0.00342	1	0.20	0.018	2160.	0.0500	21	2.49	0.363	17
191	5826010424054	0.00388	1	0.24	0.00411	1	0.49	0.104	9437.	0.0500	15	6.60	2.082	17
192	5826010448961	0.00310	2	0.21	0.00412	0	0.14	0.124	29263.	0.0557	1	2.51	2.234	5
193	5831001346157	0.00282	2	0.36	0.01019	8	0.42	0.	2300.	0.0346	242	12.14	0.	5
194	5831007825305	0.00179	2	0.64	0.01294	15	0.51	0.	2977.	0.0813	179	6.27	0.	12
195	5841000656743	0.00935	1	0.64	0.00850	18	1.42	0.	20506.	0.0383	478	37.09	0.	12
196	5841000738241	0.00461	1	0.64	0.00667	10	0.97	0.	14368.	0.0383	259	25.26	0.	12
197	5841000831393	0.00058	1	0.36	0.00313	1	0.47	0.095	8216.	0.1050	6	1.85	0.906	5
198	5841001234695	0.01419	1	0.36	0.00717	14	1.82	0.	45234.	0.1050	138	17.32	0.	5
199	5841001234697	0.00733	1	0.36	0.00557	8	1.36	0.	41388.	0.1050	80	12.93	0.	5
200	5841001234698	0.01436	1	0.36	0.00621	12	2.40	0.	77342.	0.1050	116	22.89	0.	5

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	NBASES
201	5841001734100	0.00550	1	0.03	0.00525	0	0.08	0.082	49221.	0.1050	0	0.78	0.777	5
202	5841001773387	0.01404	1	0.36	0.00613	12	2.21	0.	61854.	0.1050	116	21.01	0.	5
203	5841001862251	0.00450	1	0.03	0.00653	0	0.05	0.054	190328.	0.1050	0	0.51	0.510	5
204	5841001862402	0.00093	1	0.03	0.00250	0	0.03	0.027	4600.	0.1050	0	0.26	0.258	5
205	5841001862412	0.00085	1	0.03	0.00731	0	0.01	0.009	4600.	0.1050	0	0.08	0.081	5
206	5841001862487	0.00279	1	0.03	0.00213	0	0.10	0.102	65845.	0.1050	0	0.97	0.970	5
207	5841001863142	0.00690	1	0.03	0.00580	0	0.09	0.093	34324.	0.1050	0	0.88	0.881	5
208	5841001863157	0.00341	1	0.03	0.00480	0	0.06	0.055	34356.	0.1050	0	0.53	0.526	5
209	5841001863158	0.00419	1	0.03	0.00250	0	0.12	0.122	93086.	0.1050	0	1.16	1.162	5
210	5841001868542	0.00465	1	0.03	0.00657	0	0.06	0.042	25285.	0.1050	1	0.52	0.405	5
211	5841001979891	0.02361	1	0.36	0.00679	28	3.28	0.	37877.	0.1050	271	31.23	0.	5
212	5841002025385	0.01377	1	0.36	0.00572	18	2.27	0.	41151.	0.1050	173	21.59	0.	5
213	5841002428135	0.00400	1	0.03	0.00312	1	0.10	0.004	6731.	0.1050	14	0.89	0.042	5
214	5841003714322	0.00109	1	0.03	0.00273	0	0.03	0.029	14218.	0.1050	0	0.28	0.276	5
215	5841003718399	0.00271	1	0.03	0.00662	0	0.03	0.032	52253.	0.1050	0	0.30	0.303	5
216	5841004000322	0.00217	1	0.03	0.00463	0	0.04	0.036	29256.	0.1050	0	0.35	0.347	5
217	5841004215830	0.00097	2	0.03	0.00225	1	0.09	0.004	1201.	0.1050	13	0.66	0.039	5
218	5841004333236	0.01380	1	0.36	0.00777	12	1.85	0.	23060.	0.1050	113	17.64	0.	5
219	5841004683481	0.00147	1	0.03	0.00351	0	0.03	0.033	6886.	0.1050	0	0.31	0.311	5
220	5841005725583	0.00465	1	0.36	0.00928	6	0.52	0.	6131.	0.1050	58	4.95	0.	5
221	5841007854758	0.00600	1	0.36	0.00795	17	0.83	0.	5400.	0.0994	174	8.39	0.	5
222	5841009169092	0.00090	1	0.36	0.00279	3	0.71	0.007	1854.	0.1050	27	2.99	0.066	5
223	5841009235289	0.00158	2	0.36	0.00518	9	0.61	0.	3029.	0.1050	86	5.83	0.	5
224	5841009402489	0.00188	1	0.36	0.00731	3	0.61	0.004	1778.	0.1050	28	2.53	0.038	5
225	5841009429549	0.00057	1	0.36	0.00730	2	0.25	0.002	1590.	0.1050	15	0.74	0.023	5
226	5841009838299	0.00287	1	0.03	0.00693	0	0.03	0.032	30123.	0.1050	0	0.31	0.306	5
227	5841010683981	0.00400	1	0.06	0.00254	1	0.21	0.021	5940.	0.1050	14	2.33	0.204	5
228	5841010690075	0.00400	1	0.06	0.00457	0	0.14	0.108	26801.	0.1050	1	1.30	1.026	5
229	5865000076945EW	0.00055	4	0.98	0.00360	2	0.23	0.002	2438.	0.0171	107	8.41	0.101	17
230	5865000076949EW	0.00057	4	0.98	0.00403	1	0.14	0.010	5438.	0.0171	69	7.99	0.582	17
231	5865000094382EW	0.00055	3	0.97	0.00350	2	0.26	0.002	4588.	0.0189	85	7.71	0.129	17
232	5865000139368EW	0.00081	2	0.51	0.01563	0	0.00	0.	3051.	0.0259	17	0.13	0.	17
233	5865000139369EW	0.00125	2	0.51	0.00681	2	0.01	0.	14204.	0.0259	73	0.39	0.	17
234	5865000233292EW	0.00200	2	0.68	0.00613	0	0.00	0.004	4678.	0.0238	0	0.16	0.162	17
235	5865000674016EW	0.00097	1	0.30	0.00484	5	0.02	0.	4200.	0.0880	54	0.21	0.	5
236	5865000854945EW	0.00059	2	0.68	0.00286	0	0.00	0.004	4060.	0.0238	0	0.16	0.162	17
237	5865000999348EW	0.00103	5	0.98	0.00346	2	0.42	0.010	4171.	0.0186	107	16.96	0.539	17
238	5865001350116EW	0.00104	6	0.84	0.00809	0	0.01	0.	4416.	0.0278	11	0.27	0.	17
239	5865001350117EW	0.00084	6	0.84	0.00665	0	0.01	0.007	24039.	0.0278	0	0.26	0.262	17
240	5865001559266EW	0.00055	10	0.98	0.00379	2	0.37	0.007	9603.	0.0186	113	16.17	0.384	17
241	5865001627964EW	0.00070	3	0.97	0.00234	2	0.22	0.002	2220.	0.0198	123	15.42	0.085	17
242	5865001681504EW	0.00097	2	0.53	0.00872	0	0.01	0.007	11999.	0.0258	1	0.28	0.264	17
243	5865001887918EW	0.00050	1	1.00	0.00324	0	0.00	0.003	2532.	0.0226	0	0.12	0.122	17
244	5865001994210EW	0.00109	4	0.98	0.00146	0	0.81	0.465	9144.	0.0173	28	46.90	26.966	17
245	5865002490554EW	0.00107	2	0.68	0.00298	0	0.00	0.	17443.	0.0284	4	0.02	0.	17
246	5865003290045EW	0.00063	2	0.53	0.00324	0	0.01	0.012	5076.	0.0268	1	0.49	0.459	17
247	5865003713344EW	0.00133	4	0.98	0.00320	3	0.57	0.003	4138.	0.0171	160	24.08	0.179	17
248	5865004095162EW	0.00112	2	1.00	0.00578	1	0.00	0.	690.	0.0278	28	0.17	0.	17
249	5865004263144EW	0.00100	4	0.91	0.00549	5	1.68	0.010	5400.	0.0158	298	82.20	0.613	17
250	5865004376027EW	0.00118	2	0.68	0.00260	2	0.01	0.	5082.	0.0238	84	0.33	0.	17

INDEX	NSN	REMOVAL RATE	UPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	NBASES
251	5865004764442EW	0.00073	4	1.00	0.00374	2	0.31	0.004	4443.	0.0201	89	11.71	0.209	17
252	5865007598099EW	0.00067	4	1.00	0.00277	2	0.40	0.008	4896.	0.0180	97	13.51	0.472	17
253	5865008685177EW	0.00081	2	0.53	0.00342	0	0.02	0.	2179.	0.0258	19	0.60	0.	17
254	5865008685230EW	0.00077	4	0.76	0.00962	0	0.01	0.006	3083.	0.0268	4	0.27	0.211	17
255	5865008685231EW	0.00139	2	0.53	0.00638	1	0.01	0.	2882.	0.0258	36	0.56	0.	17
256	5865010149262EW	0.00050	1	1.00	0.00321	0	0.00	0.	305.	0.0278	8	0.12	0.	17
257	5865010169623EW	0.00072	1	0.91	0.00734	3	0.11	0.	5946.	0.0232	143	4.87	0.	17
258	5865010211657EW	0.00132	2	0.64	0.00649	2	0.35	0.006	2505.	0.0346	58	14.15	0.173	12
259	5865010376742EW	0.00096	1	0.09	0.00229	2	0.52	0.018	6905.	0.3333	6	1.58	0.053	3
260	5865010384616EW	0.00069	2	0.78	0.00232	5	4.21	0.492	17946.	0.0350	151	118.07	14.076	17
261	5865010385738EW	0.00305	1	0.09	0.00336	2	1.11	0.155	10088.	0.3333	6	3.41	0.400	3
262	5865010390697EW	0.00088	1	0.09	0.00208	4	0.51	0.000	6692.	0.3333	12	1.59	0.001	3
263	5865010399443EW	0.00072	1	0.09	0.00213	2	0.33	0.005	2016.	0.3333	7	1.27	0.015	3
264	5865010399444EW	0.00068	1	0.09	0.00252	1	0.23	0.025	4158.	0.3333	4	1.02	0.074	3
265	5865010418257EW	0.00095	2	0.55	0.00569	9	0.61	0.	728.	0.0363	254	16.93	0.	12
266	5865010418822EW	0.00361	1	0.09	0.00188	5	2.12	0.029	123718.	0.3333	16	7.13	0.088	3
267	5865010419400EW	0.00465	1	0.09	0.00264	1	1.89	1.039	91047.	0.3333	4	6.53	3.117	3
268	5865010419422EW	0.00092	1	0.09	0.00233	2	0.39	0.008	8812.	0.3333	7	1.49	0.025	3
269	5865010428158EW	0.00133	1	0.09	0.00279	2	0.57	0.023	87895.	0.3333	6	1.76	0.070	3
270	5865010433947EW	0.00100	1	0.09	0.00191	3	0.54	0.003	6199.	0.3333	10	1.97	0.008	3
271	5865010439504EW	0.00052	1	0.09	0.00238	2	0.20	0.001	5658.	0.3333	7	0.82	0.004	3
272	5865010440448EW	0.00169	2	0.09	0.00159	8	2.72	0.003	15164.	0.3333	23	7.88	0.008	3
273	5865010440505EW	0.00056	1	0.09	0.00116	1	0.45	0.087	6789.	0.3333	4	1.82	0.261	3
274	5865010441802EW	0.00488	1	0.09	0.00294	2	2.03	0.562	94653.	0.3333	6	6.15	1.685	3
275	5865010446258EW	0.00554	1	0.09	0.00148	1	0.44	0.085	108562.	0.3333	4	1.80	0.256	3
276	5865010450512EW	0.00582	1	0.09	0.00486	5	1.61	0.008	89131.	0.3333	14	4.44	0.024	3
277	5865010464122EW	0.00279	2	0.09	0.00229	14	3.53	0.000	97166.	0.3333	41	9.03	0.000	3
278	5865010464188EW	0.00642	1	0.09	0.00498	7	1.40	0.000	86108.	0.3333	22	4.78	0.000	3
279	5865010464211EW	0.00108	1	0.09	0.00251	3	0.51	0.002	2395.	0.3333	9	1.62	0.006	3
280	5865010465833EW	0.00112	1	0.09	0.00142	3	0.97	0.021	2089.	0.3333	9	2.98	0.063	3
281	5865010481589EW	0.00055	6	0.98	0.00281	2	0.41	0.009	3894.	0.0202	91	13.23	0.463	17
282	5865010493064EW	0.00400	3	0.09	0.00143	5	10.45	5.481	58662.	0.3333	15	31.37	16.444	3
283	5865010601455EW	0.00327	1	0.09	0.00254	2	1.59	0.321	33450.	0.3333	6	4.84	0.962	3
284	5865010683825EW	0.00610	1	0.09	0.00320	5	2.55	0.068	92417.	0.3333	14	7.15	0.203	3
285	5865010746318EW	0.00687	1	0.09	0.00282	5	2.76	0.095	79943.	0.3333	16	9.14	0.285	3
286	5865010805675EW	0.00333	1	0.55	0.00482	5	1.41	0.004	6215.	0.0312	154	47.80	0.131	12
287	5865010976255EW	0.00069	2	0.78	0.00206	3	3.12	0.740	22725.	0.0350	75	75.84	21.180	17
288	5865NC134683LEW	0.00496	1	0.55	0.00689	9	0.89	0.	27598.	0.0327	280	27.33	0.	12
289	5895000178936	0.00234	2	0.12	0.00589	8	0.27	0.	4052.	0.1050	76	2.57	0.	5
290	5895001688798	0.00877	1	1.00	0.00964	14	1.07	0.	14550.	0.0278	497	38.31	0.	17
291	5895002263177	0.00050	1	0.09	0.00215	3	0.39	0.001	4526.	0.3333	8	0.88	0.002	3
292	5895003977851	0.00243	1	0.14	0.00466	2	0.30	0.004	13795.	0.0810	20	2.15	0.047	12
293	5895003977852	0.00147	1	0.55	0.00789	2	0.23	0.002	1170.	0.0810	28	3.10	0.022	12
294	5895004451036	0.00055	1	0.36	0.00789	3	0.52	0.002	1880.	0.1050	28	3.10	0.022	5
295	5895005205891	0.00824	1	0.55	0.01055	12	1.06	0.	9665.	0.0810	143	13.05	0.	12
296	5895007908764	0.00558	1	1.00	0.00840	20	0.84	0.	4765.	0.0278	726	30.05	0.	17
297	5895008100140	0.00909	1	0.55	0.00871	15	1.29	0.	3253.	0.0418	351	30.89	0.	12
298	5895008100189	0.00973	1	0.64	0.00858	20	1.87	0.	14152.	0.0313	651	59.65	0.	12
299	5895008257334	0.00071	2	0.20	0.00385	3	0.18	0.	1615.	0.0341	82	4.52	0.	5
300	5895009190400	0.00449	2	0.88	0.01085	19	1.01	0.	4162.	0.0347	548	29.20	0.	17

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	NBASES
301	5895009190410	0.00163	2	0.16	0.00992	32	0.09	0.	283.	0.0442	731	2.13	0.	17
302	5895009190413	0.00062	2	0.88	0.00213	4	0.76	0.001	7016.	0.0351	120	20.91	0.035	17
303	5985007862321CX	0.00133	1	0.36	0.00635	6	0.21	0.	8396.	0.1050	58	1.99	0.	5
304	5985008801953CX	0.00133	1	0.36	0.00607	4	0.57	0.000	9472.	0.1050	34	2.09	0.003	5
305	5990002445715NT	0.00234	1	0.60	0.00365	5	0.83	0.000	3770.	0.0265	174	20.76	0.010	17
306	6105002620432BF	0.00426	1	0.64	0.00316	12	2.17	0.	882.	0.0813	147	26.67	0.	12
307	6110000978394BF	0.00267	2	1.00	0.00366	20	1.91	0.	1669.	0.0335	608	57.11	0.	17
308	6110001871018BF	0.00059	1	1.00	0.00336	5	0.22	0.	4765.	0.0278	172	7.94	0.	17
309	6110005717654BF	0.00200	1	1.00	0.00375	7	0.70	0.	2429.	0.0278	252	25.24	0.	17
310	6115008681999EW	0.00184	5	0.19	0.00119	1	0.10	0.005	3180.	0.0268	39	2.00	0.176	17
311	6115009031256BF	0.00247	2	1.00	0.00579	8	1.12	0.	2930.	0.0335	233	33.46	0.	17
312	6115010267271EW	0.00171	4	0.28	0.00302	0	0.02	0.021	4200.	0.0269	2	0.89	0.777	17
313	6340001165963BF	0.00113	2	1.00	0.00437	10	0.64	0.	1100.	0.0278	343	22.99	0.	17
314	6605001113645	0.00084	1	0.91	0.00429	5	0.22	0.	349.	0.0201	252	10.76	0.	17
315	6605008365333	0.00847	1	0.66	0.00697	7	0.90	0.	20723.	0.0218	318	41.44	0.	17
316	6605008365335	0.01156	1	0.66	0.00624	12	1.40	0.	61795.	0.0243	508	57.67	0.	17
317	6605009159319	0.00244	1	0.29	0.00655	6	0.28	0.	16307.	0.1050	58	2.68	0.	5
318	6605009458168	0.01023	1	0.66	0.00534	10	1.46	0.	53144.	0.0218	444	66.99	0.	17
319	6605009497835	0.00622	1	0.37	0.00886	4	0.60	0.	25516.	0.0373	111	16.06	0.	12
320	6605009876166	0.00085	1	0.66	0.00965	4	0.06	0.	1242.	0.0218	183	2.78	0.	17
321	6605009940194	0.01606	1	0.66	0.00819	9	1.50	0.	48723.	0.0218	408	68.86	0.	17
322	6605009992278	0.00617	1	0.29	0.00898	12	0.56	0.	27786.	0.1050	110	5.33	0.	5
323	6605010787915	0.00769	1	0.34	0.00877	3	0.34	0.	82187.	0.0526	64	6.46	0.	17
324	6610000109356BF	0.00121	1	0.64	0.00568	2	0.48	0.015	2473.	0.0813	21	4.29	0.180	12
325	6610000657276BF	0.00054	2	1.00	0.00366	5	0.38	0.	402.	0.0278	172	13.78	0.	17
326	6610000863464	0.00150	1	0.36	0.00467	5	0.32	0.	3896.	0.1050	49	3.06	0.	5
327	6610000863840	0.00144	2	0.91	0.00446	11	1.03	0.	5197.	0.0100	1055	103.42	0.	17
328	6610001337868	0.00070	1	0.91	0.00405	1	0.13	0.008	633.	0.0209	71	9.29	0.359	17
329	6610001506785	0.00153	1	1.00	0.00364	6	0.56	0.	2994.	0.0278	200	20.20	0.	17
330	6610001811750	0.00058	1	0.91	0.00408	1	0.09	0.004	1147.	0.0261	57	5.88	0.151	17
331	6610001812539	0.00120	2	0.91	0.00288	6	1.16	0.000	531.	0.0232	266	40.65	0.010	17
332	6610004001201BF	0.00064	1	0.64	0.00306	2	0.50	0.016	4119.	0.0813	21	4.46	0.197	12
333	6610004001202BF	0.00096	2	0.70	0.00368	5	0.49	0.	1669.	0.0318	162	15.56	0.	17
334	6610004028922BF	0.00523	1	0.36	0.00747	5	1.26	0.002	24598.	0.1050	46	6.74	0.022	5
335	6610004335240	0.00459	1	0.13	0.00295	2	0.43	0.011	33517.	0.0278	59	9.75	0.385	17
336	6610004546632BF	0.00666	1	0.64	0.00926	10	1.21	0.	56358.	0.0813	120	14.83	0.	12
337	6610004629837BF	0.00404	1	1.00	0.00316	4	1.86	0.056	5079.	0.0480	91	38.59	1.175	17
338	6610004806633BF	0.00058	1	0.36	0.00507	4	0.11	0.	1440.	0.0346	112	3.05	0.	5
339	6610004809436BF	0.00189	1	1.00	0.00404	6	0.60	0.	6272.	0.0278	208	21.48	0.	17
340	6610007998315	0.00165	1	1.00	0.00391	5	0.56	0.	8343.	0.0246	215	22.73	0.	17
341	6610008144117BF	0.00147	1	1.00	0.00327	2	0.62	0.030	9594.	0.0278	59	15.35	1.061	17
342	6610008451070	0.00334	1	0.64	0.00410	12	1.12	0.	10407.	0.0303	409	37.09	0.	12
343	6610008536967BF	0.00067	1	0.36	0.00352	1	0.17	0.014	1973.	0.1050	14	1.79	0.129	5
344	6610008536990BF	0.00162	1	0.36	0.00366	2	0.44	0.012	2940.	0.0346	67	11.87	0.333	5
345	6610008831034	0.00229	1	1.00	0.00396	8	1.04	0.	2462.	0.0199	407	52.27	0.	17
346	6610009250934	0.00739	1	0.12	0.00291	3	0.73	0.008	2689.	0.0315	82	13.98	0.250	17
347	6610009250935	0.00139	1	0.12	0.00291	1	0.17	0.014	1928.	0.0289	30	2.80	0.495	17
348	6610009453112BF	0.00352	1	1.00	0.00333	30	13.46	0.000	1819.	0.0278	1089	469.62	0.001	17
349	6610009539670	0.00114	1	0.91	0.00364	5	0.41	0.	1051.	0.0223	246	18.24	0.	17
350	6610009867628BF	0.00130	2	1.00	0.00462	9	0.93	0.	1143.	0.0278	334	33.33	0.	17

INDEX	NSN	REMOVAL RATE	OPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	FBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL FBO	NBASES
351	6610009898886BF	0.00639	1	0.02	0.00363	0	0.10	0.004	4910.	0.0035	78	28.32	1.135	5
352	6610009942170	0.00107	2	0.48	0.00407	5	0.25	0.	2653.	0.0234	228	10.68	0.	17
353	6610009988758BF	0.00226	1	1.00	0.00339	4	1.04	0.005	13191.	0.0278	143	31.63	0.186	17
354	6610010347616	0.00143	1	0.91	0.00830	4	0.17	0.	2083.	0.0230	178	7.59	0.	17
355	6610010451020	0.00119	1	1.00	0.00329	3	0.44	0.001	17059.	0.0278	125	17.20	0.043	17
356	6610010744653	0.00500	1	0.09	0.00067	12	6.90	0.045	660.	0.3333	35	26.52	0.134	3
357	6610010744736	0.00200	1	0.09	0.00067	4	3.14	0.370	19198.	0.3333	11	10.61	1.111	3
358	6615000228011	0.00271	1	1.00	0.00724	11	0.57	0.	8049.	0.0265	400	21.36	0.	17
359	6615000593851	0.00608	1	0.64	0.00316	25	3.04	0.	12261.	0.0366	690	83.03	0.	12
360	6615003739254BF	0.00080	1	1.00	0.00379	4	0.25	0.	9269.	0.0278	135	8.94	0.	17
361	6615004200406BF	0.00051	3	0.97	0.00347	4	0.54	0.000	7354.	0.0273	138	13.24	0.010	17
362	6615005506628	0.00210	1	0.36	0.00433	8	0.84	0.	1699.	0.0067	1183	125.92	0.	5
363	6615005677949	0.00227	1	0.36	0.00548	6	0.38	0.	4372.	0.1050	58	3.62	0.	5
364	6615005905172BF	0.00148	1	1.00	0.00926	5	0.21	0.	4356.	0.0278	182	7.60	0.	17
365	6615006000969BF	0.00065	1	1.00	0.00231	4	0.59	0.000	2070.	0.0278	126	12.72	0.014	17
366	6615007202931	0.00054	1	0.91	0.00480	2	0.13	0.	1779.	0.0261	73	4.97	0.	17
367	6615007591367	0.00150	1	0.36	0.00492	4	0.28	0.	1341.	0.1050	36	2.67	0.	5
368	6615007591435	0.00078	1	0.36	0.00689	4	0.10	0.	686.	0.1050	38	0.99	0.	5
369	6615008699834	0.00082	1	0.55	0.00543	2	0.17	0.	767.	0.0348	67	4.92	0.	12
370	6615009099801	0.00110	1	0.36	0.00678	4	0.15	0.	1261.	0.1050	42	1.42	0.	5
371	6615009825301	0.00147	1	0.64	0.00523	8	0.46	0.	2718.	0.0358	226	12.80	0.	12
372	6615010159539BF	0.00396	1	0.77	0.00947	7	0.39	0.	57985.	0.0245	302	15.95	0.	17
373	6615010520422BF	0.00107	1	1.00	0.00520	3	0.27	0.000	957.	0.0278	122	9.54	0.006	17
374	6615010520423BF	0.00065	1	1.00	0.00275	3	0.44	0.001	800.	0.0278	100	10.94	0.044	17
375	6615010546075BF	0.00167	1	1.00	0.00189	6	1.17	0.000	957.	0.0278	231	41.03	0.009	17
376	6615010709243BF	0.00399	1	0.23	0.00742	0	0.18	0.123	58316.	0.0501	4	3.56	2.445	17
377	6620005538827	0.00082	2	0.91	0.00389	8	0.48	0.	2575.	0.0261	293	18.36	0.	17
378	6645008722128	0.00061	1	0.91	0.00358	2	0.21	0.001	2777.	0.0235	93	8.62	0.061	17
379	6680004808147	0.00164	1	0.09	0.00166	4	1.05	0.005	2184.	0.3333	13	3.71	0.016	3
380	6680006518045	0.00332	1	1.00	0.00389	17	1.50	0.	855.	0.0278	606	54.00	0.	17
381	6680008800844BF	0.00051	2	1.00	0.00372	5	0.36	0.	2143.	0.0278	162	12.94	0.	17
382	6680008945005BF	0.00275	1	0.36	0.00480	6	0.54	0.	2792.	0.0346	174	15.46	0.	5
383	6685001159606BF	0.00061	1	0.64	0.00353	4	0.24	0.	3676.	0.0383	109	6.35	0.	12
384	6685006845176	0.00119	2	0.91	0.00392	15	0.92	0.	704.	0.0243	606	37.89	0.	17
385	6710002600300	0.00063	1	0.55	0.00527	3	0.15	0.	2658.	0.0454	62	3.23	0.	12
386	6720000152005	0.00215	1	0.36	0.01243	4	0.17	0.	9989.	0.1050	40	1.65	0.	5
387	6720001034963	0.00066	1	0.29	0.00358	9	0.13	0.	3985.	0.0810	114	1.61	0.	12
388	6720001257219	0.00526	3	0.27	0.00868	10	1.29	0.	26118.	0.1050	91	12.24	0.	5
389	6720006468146	0.00112	1	0.06	0.00751	1	0.15	0.011	16067.	0.1050	5	0.22	0.107	5
390	6720008791127	0.00164	1	0.14	0.00697	3	0.09	0.	32087.	0.1050	32	0.89	0.	5
391	6720009150597	0.00327	3	0.08	0.00484	6	0.46	0.	14183.	0.1050	58	4.41	0.	5
392	6720009202403	0.00157	1	0.21	0.00432	3	0.48	0.002	10482.	0.1050	29	1.90	0.016	5
393	6720010384972	0.00408	1	0.18	0.00662	2	0.47	0.014	12114.	0.1050	20	2.75	0.132	5
394	6720010388968	0.00216	1	0.18	0.00804	2	0.14	0.	9522.	0.1050	20	1.31	0.	5
395	6720010393324	0.00908	1	0.18	0.00833	7	0.50	0.	91134.	0.1050	63	4.74	0.	5
396	6720010451828	0.00824	1	0.18	0.00590	5	1.39	0.004	164374.	0.1050	43	6.38	0.036	5
397	6760000035596	0.00072	2	0.13	0.01075	1	0.05	0.	1327.	0.1050	63	0.43	0.	5
398	6760000037265	0.00376	1	0.13	0.01211	5	0.11	0.	18238.	0.1050	43	1.00	0.	5
399	6760000062765	0.00127	1	0.13	0.00731	1	0.06	0.	48740.	0.1050	14	0.56	0.	5
400	6760000151926	0.00101	4	0.36	0.00802	11	0.46	0.	713.	0.1050	107	4.41	0.	5

INDEX	NSN	REMOVAL RATE	OPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	NBASES
401	6760000151927	0.00105	4	0.36	0.01022	20	0.38	0.	2557.	0.1050	192	3.58	0.	5
402	6760000384689	0.00215	1	0.02	0.00270	0	0.04	0.039	65995.	0.1050	0	0.37	0.369	5
403	6760001455298	0.00095	6	0.27	0.00755	5	0.53	0.	1829.	0.1050	52	5.07	0.	5
404	6760001683292	0.00435	1	0.18	0.00614	3	0.47	0.002	14368.	0.1050	33	3.37	0.015	5
405	6760002251876	0.00165	3	0.08	0.00421	4	0.27	0.	14756.	0.1050	39	2.56	0.	5
406	6760004051090	0.00182	1	0.55	0.00807	3	0.48	0.002	1514.	0.0496	62	9.91	0.035	12
407	6760004356212	0.00208	1	0.02	0.00369	1	0.13	0.008	10313.	0.1050	9	0.29	0.076	5
408	6760004777732	0.00258	1	0.36	0.00499	5	0.96	0.001	107164.	0.1050	46	4.53	0.005	5
409	6760004833094	0.00827	3	0.27	0.00855	10	2.99	0.000	24810.	0.1050	99	20.75	0.004	5
410	6760005599514	0.00729	1	0.18	0.00741	2	0.64	0.032	31646.	0.1050	21	4.40	0.307	5
411	6760007023379	0.00169	3	0.27	0.00941	5	0.75	0.000	18578.	0.1050	49	3.95	0.001	5
412	6760007535420	0.00099	1	0.36	0.01012	1	0.09	0.004	12051.	0.1050	14	0.86	0.040	5
413	6760008790899	0.00170	1	0.18	0.00571	9	0.14	0.	3600.	0.1050	86	1.31	0.	5
414	6760008790900	0.00253	1	0.36	0.00729	8	0.35	0.	3270.	0.1050	80	3.31	0.	5
415	6760008790902	0.00111	1	0.23	0.00521	10	0.14	0.	2160.	0.1050	91	1.31	0.	5
416	6760008808389	0.00094	1	0.36	0.00369	5	0.24	0.	1946.	0.1050	44	2.24	0.	5
417	6760008913748	0.00062	4	0.30	0.00895	10	0.23	0.	692.	0.1050	95	2.19	0.	5
418	6760008944344	0.00170	1	0.27	0.01174	2	0.11	0.	32889.	0.1050	19	1.07	0.	5
419	6760009991668	0.00068	3	0.08	0.00508	3	0.09	0.	6267.	0.1050	24	0.87	0.	5
420	6760010293270	0.00617	1	0.36	0.00992	15	0.62	0.	11637.	0.1050	143	5.90	0.	5
421	6760010390504	0.00303	1	0.18	0.00681	3	0.58	0.003	24264.	0.1050	27	2.07	0.032	5
422	6760010557440	0.00130	1	0.34	0.00441	1	0.24	0.027	24266.	0.1050	14	2.66	0.258	5
423	7021010350714	0.00072	1	0.09	0.00156	3	0.55	0.003	14231.	0.3333	9	1.73	0.008	3
424	7021010374951	0.00843	1	0.09	0.00323	2	2.95	1.208	103902.	0.3333	7	9.79	3.625	3

INDEX	NSN	REMOVAL RATE	UPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	RESUPP DAYS	RESUPP HOURS
1	1430010454699RF	0.01786	1	0.64	0.00547	3	5.46							7.61	18.00
2	1430010387038RF	0.01700	1	0.64	0.00589	4	4.71							7.07	14.66
3	6610010744653	0.00500	1	0.09	0.00067	12	6.90							62.00	13.63
4	5865010446258EW	0.00554	1	0.09	0.00148	1	0.44							28.13	12.01
5	5865010494064EW	0.00400	3	0.09	0.00143	5	10.45							29.04	8.02
6	5841001234698	0.01436	1	0.36	0.00621	12	2.40							6.71	7.91
7	7021010374951	0.00843	1	0.09	0.00323	2	2.95							12.89	7.26
8	5841001773387	0.01304	1	0.36	0.00613	12	2.21							6.80	6.31
9	6610010744736	0.00200	1	0.09	0.00067	4	3.14							62.00	6.25
10	5865010419400EW	0.00465	1	0.09	0.00264	1	1.89							15.81	5.22
11	5865001994210EW	0.00109	4	0.98	0.00146	0	0.81							28.54	4.91
12	6610004629837RF	0.00404	1	1.00	0.00316	4	1.86							13.20	4.79
13	2840009818049PL	0.00149	2	0.26	0.00171	1	0.77							24.30	4.60
14	1430010399244RF	0.01285	1	0.17	0.00539	0	0.97							7.74	4.08
15	5865010441802EW	0.00488	1	0.09	0.00294	2	2.03							14.17	3.87
16	2840006903727PL	0.00162	2	0.36	0.00311	1	0.15							13.40	3.83
17	1560010440249RF	0.00454	1	0.09	0.00161	6	3.68							25.88	3.81
18	5826010448961	0.00310	2	0.21	0.00412	0	0.14							10.12	3.73
19	1430010610350RF	0.00607	1	0.64	0.00694	2	1.49							6.00	3.73
20	5865010746318EW	0.00687	1	0.09	0.00282	5	2.76							14.78	3.61
21	5841004333236	0.01380	1	0.36	0.00777	12	1.85							5.36	3.56
22	6760004833094	0.00827	3	0.27	0.00855	10	2.99							4.87	3.26
23	5841001234697	0.00733	1	0.36	0.00557	8	1.36							7.48	3.24
24	5841001234695	0.01419	1	0.36	0.00717	14	1.82							5.81	3.22
25	5826010183511	0.00168	2	1.00	0.00186	6	2.53							22.38	3.08
26	5826010395000	0.00600	1	0.24	0.00322	0	0.65							12.94	3.01
27	2840004262102PL	0.00164	2	0.26	0.00293	1	0.52							14.20	2.83
28	5826010401785	0.00692	1	0.17	0.00315	1	0.95							13.22	2.66
29	2620000884523	0.01708	2	0.88	0.00231	83	17.16							18.00	2.63
30	1270010251430	0.00530	1	0.09	0.00245	5	2.43							17.02	2.62
31	5841002025385	0.01377	1	0.36	0.00572	18	2.27							7.28	2.60
32	1430010387055RF	0.00484	1	0.64	0.00694	2	1.19							6.00	2.56
33	5865010601455EW	0.00327	1	0.09	0.00254	2	1.59							16.42	2.54
34	2840009075488PL	0.00141	2	0.36	0389	1	0.03							10.72	2.53
35	1270010588980	0.00483	1	0.55	491	3	0.72							8.48	2.40
36	2840008717414PL	0.00084	2	0.90	0.0180	1	1.44							23.13	2.35
37	6760005599514	0.00729	1	0.18	0.	2	0.64							5.62	2.29
38	5841001979891	0.02361	1	0.36	0.	28	3.28							6.14	2.16
39	5865003713344EW	0.00133	4	0.98	0.	3	0.57							13.03	2.04
40	1680007580950RF	0.00230	1	0.36	0.0089	3	0.77							10.72	1.96
41	5865010683825EW	0.00610	1	0.09	0.00320	5	2.55							13.01	1.77
42	5865010418822EW	0.00361	1	0.09	0.00188	5	2.12							22.20	1.73
43	6115008681999EW	0.00184	5	0.19	0.00119	1	0.10							35.04	1.72
44	6610008536990RF	0.00162	1	0.36	0.00366	2	0.44							11.39	1.71
45	5865002490554EW	0.00107	2	0.68	0.00298	0	0.00							14.00	1.67
46	5865000999348EW	0.00103	5	0.98	0.00346	2	0.42							12.05	1.62
47	1430002356325RF	0.01023	1	0.51	0.00976	4	1.38							4.27	1.60
48	2840010564217PL	0.00062	2	0.26	0.00228	0	0.47							18.26	1.60
49	1560004896617RF	0.00054	1	0.36	0.00282	0	0.18							14.75	1.59
50	1630004463778	0.01676	2	1.00	0.00753	29	5.53							5.53	1.58

INDEX	NSN	REMOVAL RATE	QPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	RESUPP DAYS	RESUPP HOURS
51	5865000233292EW	0.00200	2	0.68	0.00613	0	0.00							6.80	1.57
52	2840007940417PL	0.00120	2	0.26	0.00292	2	0.61							14.28	1.46
53	6760010557440	0.00130	1	0.34	0.00441	1	0.24							9.45	1.36
54	5865001627964EW	0.00070	3	0.97	0.00234	2	0.22							17.83	1.31
55	5841010690075	0.00400	1	0.06	0.00457	0	0.14							9.12	1.26
56	5865010385738EW	0.00305	1	0.09	0.00336	2	1.11							12.41	1.23
57	5841010683981	0.00400	1	0.06	0.00254	1	0.21							16.40	1.21
58	5826010403093	0.00217	1	0.24	0.00301	0	0.24							13.84	1.16
59	5865007598099EW	0.00067	4	1.00	0.00277	2	0.40							15.02	1.15
60	6610004028922BF	0.00523	1	0.36	0.00747	5	1.26							5.58	1.11
61	5841001863158	0.00419	1	0.03	0.00250	0	0.12							16.64	1.10
62	6610008144117BF	0.00147	1	1.00	0.00327	2	0.62							12.74	1.09
63	6115010267271EW	0.00171	4	0.28	0.00302	0	0.02							13.78	1.09
64	5865004376027EW	0.00118	2	0.68	0.00260	2	0.01							16.00	1.09
65	1560007883941BF	0.00066	1	1.00	0.00216	1	0.51							19.33	1.09
66	5865010149262EW	0.00050	1	1.00	0.00321	0	0.00							13.00	1.06
67	5865001887918EW	0.00050	1	1.00	0.00324	0	0.00							12.86	1.07
68	2840001335090PL	0.00076	2	0.26	0.00289	1	0.54							14.40	1.07
69	6610003898886BF	0.00639	1	0.02	0.00363	0	0.10							11.49	1.03
70	1560010345864BF	0.00225	1	0.09	0.00833	0	0.34							5.00	1.02
71	6720010451828	0.00824	1	0.18	0.00590	5	1.39							7.07	0.99
72	5865010481589EW	0.00055	6	0.98	0.00281	2	0.41							14.83	0.99
73	1270000641997	0.00441	1	0.55	0.00487	4	0.70							8.55	0.96
74	5865000854945EW	0.00059	2	0.68	0.00286	0	0.00							14.57	0.95
75	1680001140314BF	0.00139	1	0.36	0.01389	0	0.10							3.00	0.94
76	5826002560655	0.00252	1	0.07	0.00431	0	0.11							9.67	0.93
77	6615010709243BF	0.00399	1	0.23	0.00742	0	0.18							5.62	0.88
78	5865004095152EW	0.00112	2	1.00	0.00578	1	0.00							7.20	0.88
79	5826010395013	0.00340	1	0.24	0.00294	1	0.53							14.19	0.87
80	5865008685177EW	0.00081	2	0.53	0.00342	0	0.02							12.19	0.86
81	5841001862487	0.00279	1	0.03	0.00213	0	0.10							19.54	0.86
82	5865004764442EW	0.00073	4	1.00	0.00374	2	0.31							11.14	0.85
83	5841001863142	0.00690	1	0.03	0.00580	0	0.09							7.19	0.82
84	4310010183040BF	0.00157	1	1.00	0.00281	3	0.66							14.81	0.81
85	6720001257219	0.00526	3	0.27	0.00868	10	1.29							4.80	0.80
86	5865001350116EW	0.00104	6	0.84	0.00809	0	0.01							5.15	0.78
87	5865001559266EW	0.00055	10	0.98	0.00379	2	0.37							10.99	0.78
88	1430009190037BF	0.00142	1	0.55	0.00435	1	0.13							9.58	0.78
89	5865001350117EW	0.00084	6	0.84	0.00665	0	0.01							6.26	0.75
90	4130010397267PK	0.00162	1	0.18	0.00388	1	0.37							10.75	0.75
91	5841001734100	0.00550	1	0.03	0.00525	0	0.08							7.94	0.71
92	2840009968290PL	0.00053	2	0.26	0.00261	1	0.30							15.96	0.71
93	5865000076949EW	0.00057	4	0.98	0.00403	1	0.14							10.33	0.70
94	5865003240045EW	0.00063	2	0.53	0.00324	0	0.01							12.86	0.70
95	5826010395015	0.00113	1	0.24	0.00261	0	0.15							15.95	0.69
96	5865010440505EW	0.00056	1	0.09	0.00116	1	0.45							35.94	0.68
97	6720010384972	0.00408	1	0.18	0.00662	2	0.47							6.30	0.67
98	1680004500573BF	0.00090	3	0.94	0.00297	4	0.61							14.01	0.62
99	1430010682150BF	0.00137	2	0.55	0.00694	1	0.04							6.00	0.61
100	6610009988758BF	0.00226	1	1.00	0.00339	4	1.04							12.29	0.58

INDEX	NSN	REMOVAL RATE	QPA	EAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	PRO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL PRO	RESUPP DAYS	RESUPP NORS
101	6610008536967BF	0.00067	1	0.36	0.00352	1	0.17							11.84	0.58
102	5821010668605	0.00218	1	1.00	0.00603	2	0.63							6.91	0.57
103	582601042405A	0.00388	1	0.24	0.00411	1	0.49							10.13	0.54
104	5841000831393	0.00058	1	0.36	0.00313	1	0.47							13.30	0.53
105	5865000076945EW	0.00055	4	0.98	0.00360	2	0.23							11.57	0.53
106	1560010756968BF	0.00063	1	0.25	0.00242	1	0.16							17.22	0.49
107	5841001868542	0.00465	1	0.03	0.00657	0	0.06							6.34	0.49
108	1560008747338BF	0.00067	1	0.36	0.00378	1	0.11							11.01	0.49
109	5841001863157	0.00341	1	0.03	0.00480	0	0.06							8.69	0.48
110	5841001862251	0.00450	1	0.03	0.00653	0	0.05							6.38	0.48
111	6605009940194	0.01606	1	0.66	0.00819	9	1.50							5.09	0.46
112	5865008685230EW	0.00077	4	0.76	0.00962	0	0.01							4.33	0.45
113	5865001681504EW	0.00097	2	0.53	0.00872	0	0.01							4.78	0.43
114	5821010512886	0.00166	1	0.05	0.00280	0	0.09							14.90	0.41
115	5865000094382EW	0.00055	3	0.97	0.00350	2	0.26							11.89	0.39
116	6760000384689	0.00215	1	0.02	0.00270	0	0.04							15.43	0.33
117	5865010211657EW	0.00132	2	0.64	0.00649	2	0.35							6.42	0.33
118	5865008685231EW	0.00139	2	0.53	0.00638	1	0.01							6.54	0.32
119	5841004000322	0.00217	1	0.03	0.00463	0	0.04							9.00	0.32
120	1430010384963BF	0.00151	1	0.64	0.00287	3	0.96							14.54	0.30
121	5841009838299	0.00287	1	0.03	0.00693	0	0.03							6.01	0.29
122	5841003718399	0.00271	1	0.03	0.00662	0	0.03							6.29	0.28
123	5841004683481	0.00147	1	0.03	0.00351	0	0.03							11.88	0.28
124	1430010533212BF	0.00135	1	0.64	0.00694	1	0.27							6.00	0.27
125	5841003718322	0.00109	1	0.03	0.00273	0	0.03							15.28	0.26
126	5865010976255EW	0.00069	2	0.78	0.00206	3	3.12							20.18	0.25
127	5841001862402	0.00093	1	0.03	0.00250	0	0.03							16.64	0.24
128	2995006911224	0.00179	2	1.00	0.00331	7	1.47							12.58	0.22
129	582601041925S	0.00252	1	0.24	0.00337	1	0.35							12.35	0.21
130	5865000159368EW	0.00081	2	0.51	0.01563	0	0.00							2.67	0.21
131	1660006778330	0.00056	1	0.36	0.00397	1	0.15							10.50	0.17
132	1660000714255	0.00513	1	0.91	0.00224	14	2.43							18.63	0.15
133	6610001337868	0.00070	1	0.91	0.00405	1	0.13							10.28	0.08
134	5841001862412	0.00085	1	0.03	0.00731	0	0.01							5.70	0.08
135	6760001683292	0.00435	1	0.18	0.00614	3	0.47							6.78	0.04
136	1430001790011BF	0.00053	1	0.03	0.00423	0	0.01							9.85	0.04
137	1650009243005BF	0.00075	2	0.95	0.00320	3	0.28							13.01	0.03
138	6760001455298	0.00095	6	0.27	0.00755	5	0.53							5.52	0.01
139	6615010546075BF	0.00167	1	1.00	0.00189	6	1.17							22.02	-0.02
140	5865010399444EW	0.00068	1	0.09	0.00252	1	0.23							16.55	-0.04
141	5865004263144EW	0.00100	4	0.91	0.00549	5	1.68							7.59	-0.08
142	6610001811750	0.00058	1	0.91	0.00408	1	0.09							10.22	-0.11
143	6760007535420	0.00099	1	0.46	0.01012	1	0.09							4.12	-0.12
144	5841002428135	0.00400	1	0.03	0.00312	1	0.10							13.37	-0.15
145	1560007906873BF	0.00059	1	1.00	0.00496	1	0.21							8.41	-0.17
146	1560008670561BF	0.00073	2	1.00	0.00380	3	0.76							10.97	-0.17
147	1270005562269	0.01025	1	0.20	0.00538	4	0.95							7.74	-0.22
148	5841004215830	0.00097	2	0.03	0.00225	1	0.09							18.48	-0.22
149	1650001486506BF	0.00120	2	0.95	0.00347	5	0.40							12.00	-0.23
150	5865010465833EW	0.00112	1	0.09	0.00142	3	0.97							29.45	-0.24

INDEX	NSN	REMOVAL RATE	UPA	FAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	RESUPP DAYS	RESUPP HORS
151	5895009190413	0.00062	2	0.88	0.00213	4	0.76							19.52	-0.25
152	1270010251433	0.00147	1	0.09	0.00299	2	0.50							13.96	-0.25
153	1430010597789BF	0.00064	1	0.64	0.00559	1	0.21							7.45	-0.26
154	5865010440448EW	0.00169	2	0.09	0.00159	8	2.72							26.29	-0.29
155	5865010428158EW	0.00133	1	0.09	0.00279	2	0.57							14.94	-0.32
156	5865000139369EW	0.00125	2	0.51	0.00681	2	0.01							6.12	-0.32
157	1270010428441	0.00071	1	0.20	0.00209	1	0.19							19.98	-0.34
158	6615004200406BF	0.00051	3	0.97	0.00347	4	0.54							12.01	-0.34
159	1270003528728	0.00100	1	0.20	0.00305	1	0.17							13.64	-0.35
160	5841009169092	0.00090	1	0.36	0.00279	3	0.71							14.93	-0.35
161	1270003495219	0.00099	1	0.20	0.00303	1	0.18							13.74	-0.35
162	1560001430932BF	0.00227	1	0.55	0.00469	3	0.65							8.88	-0.35
163	1270003495873	0.00090	1	0.20	0.00285	1	0.16							14.64	-0.38
164	2840008846275PL	0.00053	2	0.90	0.00299	3	0.75							13.92	-0.42
165	6610001812539	0.00120	2	0.91	0.00288	6	1.16							14.45	-0.42
166	5826010419398	0.00122	1	0.24	0.00342	1	0.20							12.18	-0.42
167	5826010397621	0.00051	1	1.00	0.00221	2	0.44							18.83	-0.43
168	6760007023379	0.00169	3	0.27	0.00941	5	0.75							4.43	-0.43
169	1270005429309	0.00083	1	0.20	0.00290	1	0.16							14.35	-0.43
170	6760000062765	0.00127	1	0.13	0.00731	1	0.06							5.70	-0.44
171	2620010579673	0.02334	2	0.12	0.00198	20	3.70							21.00	-0.44
172	5826009941578	0.00050	1	0.55	0.00503	1	0.09							8.28	-0.45
173	1270005518451	0.00086	1	0.20	0.00319	1	0.10							13.08	-0.46
174	1560010446028F	0.00064	1	0.09	0.00438	1	0.19							9.51	-0.47
175	1270003482091	0.00064	1	0.20	0.00253	1	0.23							16.49	-0.50
176	1430001326677BF	0.00067	1	0.64	0.00280	2	0.47							14.91	-0.50
177	6610010451020	0.00119	1	1.00	0.00329	3	0.44							12.67	-0.51
178	1430001444319BF	0.00056	1	0.64	0.00233	2	0.42							17.92	-0.51
179	5865010376742EW	0.00096	1	0.09	0.00229	2	0.52							18.23	-0.52
180	1430005072655BF	0.00721	1	0.17	0.00868	2	0.37							4.80	-0.52
181	5826010419380	0.00096	1	0.24	0.00343	1	0.22							12.15	-0.55
182	1680007580952BF	0.00057	1	0.36	0.00329	2	0.39							12.65	-0.55
183	6680004808147	0.00164	1	0.09	0.00166	4	1.05							25.17	-0.56
184	5826004889723	0.00368	1	0.02	0.00496	1	0.09							8.41	-0.56
185	6760002251876	0.00165	3	0.08	0.00421	4	0.27							9.90	-0.57
186	2840006865740PL	0.00052	2	0.90	0.00351	3	0.68							11.86	-0.58
187	5826010419381	0.00104	1	0.24	0.00424	1	0.18							9.83	-0.60
188	6610009250935	0.00139	1	0.12	0.00291	1	0.17							14.32	-0.60
189	5826010329930	0.00195	1	1.00	0.00576	3	0.58							7.23	-0.60
190	5865010419422EW	0.00092	1	0.09	0.00233	2	0.39							17.92	-0.60
191	6760004777732	0.00258	1	0.36	0.00499	5	0.96							8.35	-0.61
192	6610004335240	0.00459	1	0.13	0.00295	2	0.43							14.15	-0.61
193	1650010841569	0.00408	2	1.00	0.00411	15	1.85							10.13	-0.62
194	1630002769849	0.00180	2	1.00	0.00552	6	0.79							7.83	-0.62
195	6610000109356BF	0.00121	1	0.64	0.00568	2	0.48							7.33	-0.62
196	5895008257334	0.00071	2	0.20	0.00385	3	0.18							10.81	-0.63
197	1680010520816LS	0.00103	2	1.00	0.00380	5	0.79							10.95	-0.63
198	1650009243006BF	0.00982	2	0.95	0.00395	4	0.23							10.55	-0.64
199	1430000435192BF	0.00056	1	0.64	0.01063	1	0.10							3.92	-0.64
200	1430001117990BF	0.00144	1	0.64	0.00387	3	0.73							10.77	-0.66

INDEX	NSN	REMOVAL RATE	QPA	EAP	REPAIR RATE	INITIAL STOCK	RESUPPLY	EBO	COST	PRORATING FACTOR	TOTAL STOCK	TOTAL RESUPPLY	TOTAL EBO	RESUPP DAYS	RESUPP MORS
201	5865010454512EW	0.00582	1	0.09	0.00486	5	1.61							8.58	-0.66
202	6610004001201BF	0.00064	1	0.64	0.00306	2	0.50							13.63	-0.68
203	6720009150597	0.00327	3	0.08	0.00484	6	0.46							8.60	-0.68
204	1660001359566	0.00185	1	0.91	0.00265	5	0.85							15.71	-0.69
205	1270003495215	0.00097	1	0.20	0.00640	1	0.21							6.51	-0.69
206	1270001185901	0.00136	1	0.20	0.00906	1	0.04							4.60	-0.69
207	1430001444336BF	0.00137	1	0.47	0.00143	5	1.34							29.08	-0.70
208	1680007335768LS	0.00050	4	0.95	0.00423	6	0.29							9.84	-0.71
209	6760004356212	0.00208	1	0.02	0.00369	1	0.13							11.28	-0.72
210	1560000829.18BF	0.00052	1	0.55	0.01113	1	0.08							3.74	-0.72
211	1270004752473	0.00077	1	0.22	0.00644	1	0.03							6.47	-0.74
212	6760009991668	0.00068	3	0.08	0.00508	3	0.09							8.21	-0.74
213	1270000041879	0.00106	1	0.20	0.00887	1	0.05							4.70	-0.75
214	5841009402489	0.00188	1	0.36	0.00731	3	0.61							5.70	-0.76
215	1270010298391	0.00058	1	0.20	0.00493	1	0.07							8.46	-0.76
216	1270003939141	0.00061	1	0.20	0.00533	1	0.06							7.81	-0.77
217	1430001044333BF	0.00426	1	0.03	0.00631	1	0.13							6.61	-0.77
218	6720006468146	0.00112	1	0.06	0.00751	1	0.15							5.55	-0.78
219	5826004120522	0.00326	1	0.02	0.00918	1	0.02							4.54	-0.78
220	5826010408428	0.00094	1	0.24	0.00819	1	0.15							5.09	-0.80
221	2840010269455PL	0.00083	2	0.90	0.00303	5	1.23							13.74	-0.80
222	5865010399443EW	0.00072	1	0.09	0.00213	2	0.33							19.52	-0.81
223	6720010388968	0.00216	1	0.18	0.00804	2	0.14							5.18	-0.82
224	1620009891992	0.00077	1	1.00	0.00455	2	0.22							9.16	-0.82
225	6605010787915	0.00769	1	0.34	0.00877	3	0.34							4.75	-0.83
226	4140009414335TP	0.00150	1	0.36	0.00399	4	0.35							10.44	-0.84
227	1560009547752BF	0.00055	2	1.00	0.00230	5	0.86							18.12	-0.87
228	2995006141130PL	0.00069	2	0.90	0.00380	4	0.73							10.97	-0.88
229	6610009250934	0.00739	1	0.12	0.00291	3	0.73							14.31	-0.88
230	1430001945467BF	0.00084	1	0.64	0.00483	2	0.36							8.62	-0.89
231	2840010272393PL	0.00082	2	0.90	0.00319	5	0.85							13.05	-0.92
232	5865010384616EW	0.00069	2	0.78	0.00232	5	4.21							17.95	-0.92
233	6645008722128	0.00061	1	0.91	0.00358	2	0.21							11.63	-0.94
234	1430003592030BF	0.00082	1	0.03	0.00460	1	0.07							9.06	-0.94
235	5895003977852	0.00147	1	0.55	0.00789	2	0.23							5.28	-0.94
236	1430003934750BF	0.00057	1	0.03	0.00360	1	0.01							11.58	-0.95
237	1430005957721BF	0.00061	1	0.03	0.00694	1	0.01							6.00	-0.97
238	6760008944344	0.00170	1	0.27	0.01174	2	0.11							3.55	-0.97
239	6115009031256BF	0.00247	2	1.00	0.00579	8	1.12							7.20	-0.98
240	1560009193698BF	0.00055	1	0.36	0.00225	3	0.20							18.55	-0.99
241	1270005518449	0.00140	1	0.20	0.00278	2	0.36							14.97	-1.00
242	2915010887077PL	0.00055	2	0.64	0.00347	4	0.51							12.00	-1.01
243	1430002989723BF	0.00160	1	0.17	0.00269	2	0.19							15.47	-1.01
244	1270001487615	0.00453	1	0.20	0.00972	2	0.22							4.29	-1.03
245	2995001598730	0.00163	2	1.00	0.00380	8	1.10							10.95	-1.04
246	2915001338007PL	0.00068	2	0.64	0.00292	5	0.81							14.25	-1.05
247	6605009458168	0.01023	1	0.66	0.00534	10	1.46							7.80	-1.06
248	1660000893553	0.00072	1	0.91	0.00494	2	0.15							8.44	-1.07
249	6760010390504	0.00303	1	0.18	0.00681	3	0.58							6.12	-1.07
250	1680009185594BF	0.00059	1	0.30	0.00454	2	0.25							9.17	-1.07

FEDERAL INFORMATION PROCESSING STANDARD SOFTWARE SUMMARY

01. Summary date (Yr. / Mo. / Day)	02. Summary prepared by (Name and Phone)	03. Summary action
8 1 09 1 0	John B. Abell (301) 229-1000	New: X; Replacement: —; Deletion: —; Previous Internal Software ID:
04. Software date (Yr. / Mo. / Day)	**05. Software title**	**07. Internal Software ID**
8 1 09 1 0	The Sortie-Generation Model System Volume VI Spares Subsystem	None
06. Short title	SGM	

08. Software type	09. Processing mode	10. Application area — General		Specific
— Automated Data System	— Interactive	— Computer Systems Support/Utility	— Management/Business	Logistics Capability Assessment
— Computer Program	— Batch	— Scientific/Engineering	— Process Control	
— Subroutine/Module	X Combination	— Bibliographic/Textual	X Other	

11. Submitting organization and address	12. Technical contact(s) and phone
Logistics Management Institute 4701 Sangamore Road, P. O. Box 9489 Washington, D.C. 20016	Mr. John B. Abell Mr. Michael J. Konvalinka (301) 229-1000 AV 287-2779

13. Narrative

The Sortie-Generation Model System provides the capability for relating aircraft spares and maintenance manpower levels to the maximal sortie-generation capability of tactical air forces over time.

This volume describes the process of constructing a spares data base for input to the Sortie-Generation Model.

14. Keywords

Readiness; Resource Allocation; Sortie Generation Capability; Logistics Capability Assessment

15. Computer manufr. and model	16. Computer operating system	17. Programming language(s)	18. Number of source program statements
Honeywell G-635	GCOS	Cobol 600 Fortran 600/GMAP	15000
19. Computer memory requirements	**20. Tape drives**	**21. Disk/Drum units**	**22. Terminals**
49k words 36 bits each	4	1 Disk 2 million words	1 time sharing

23. Other operational requirements

24. Software availability			25. Documentation availability		
Available: X	Limited: —	In-house only: —	Available: X	Inadequate: —	In-house only: —

26. FOR SUBMITTING ORGANIZATION USE

STANDARD FORM .95
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The Sortie-Generation Model System provides the capability for relating aircraft spares and maintenance manpower levels to the maximal sortie-generation capability of tactical air forces over time.

This volume describes the process of constructing a spares data base for input to the Sortie-Generation Model.

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