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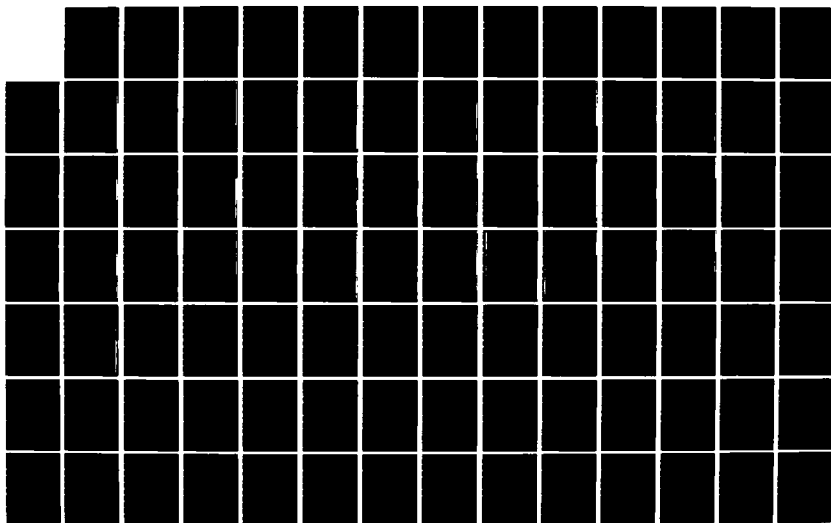
AMMUNITION RESUPPLY MODEL VOLUME 3 STANDARD EUROPEAN  
HEAVY DIVISION DATA BASE(U) COMBINED ARMS OPERATIONS  
RESEARCH ACTIVITY FORT LEAVENWORTH K. C. HARRIS MAY 83  
CAORA/TR-6/83-VOL-3

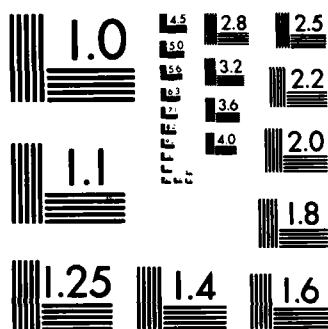
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

MAY 1983

CAORA/TR-6/83

ACN 65676

**AMMUNITION RESUPPLY MODEL  
STANDARD EUROPEAN HEAVY DIVISION DATA BASE  
VOLUME III**

**TECHNICAL REPORT 6/83**

**UNITED STATES ARMY  
COMBINED ARMS CENTER**

**DIRECTORATE OF STUDIES AND ANALYSIS  
COMBINED ARMS OPERATIONS RESEARCH ACTIVITY  
FORT LEAVENWORTH, KS 66027**

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Included find your copy or copies of the latest (May 1983) three volume documentation of the CAORA developed Ammunition Resupply Model. For those not already familiar with the system, this supercedes all previous ARM documentation. For others it extends earlier documentation to include several significant program modifications and the use of a different computer system.

1 Encl

RONALD G. MAGEE  
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## Errata Sheet

P. 69 of Volume I ARM Methodology and User's Manual should be replaced with the following:

| <u>USER RESPONSES AND SYSTEM MESSAGES</u>                                 | <u>REMARKS</u>                                                                                                                 |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| ENTER NUMBER OF ACTIVE ATPS<br><u>6</u>                                   |                                                                                                                                |
| ENTER NUMBER OF ACTIVE ASPS<br><u>4</u>                                   |                                                                                                                                |
| TIME = 2160.05<br>?                                                       | Current simulation time menu option                                                                                            |
| <u>4</u>                                                                  | The RETURN option                                                                                                              |
| TIME = 2160.1                                                             | This is the end of simulation time                                                                                             |
| SSG ARMPL.FREE, THEN SSG ARMPL.<br>EDITYES                                | To remind the user. This now begins a process of editing data for following CI.                                                |
| <u>@ SSG ARMPL.FREE</u>                                                   | Putting ARMPL.FREE into machine readable form.                                                                                 |
| SSG 20R1 S74T27                                                           | Machine reply                                                                                                                  |
| <u>SGS</u>                                                                | To input information to SSG.                                                                                                   |
| <u>FREE CI(N)</u><br><u>@</u>                                             | Tells machine which files to free.                                                                                             |
| END SSG ERRORS 0/0/0<br>RETAIN LEVEL 1.2                                  | End of input files are now free and symmed to the printer                                                                      |
| <u>@ SSG ARMPL.EDITYES</u>                                                | Putting ARMPL.EDITYES into machine.                                                                                            |
| SSG 20R1574T27                                                            | Above entry processed to input CI nos to SSG.                                                                                  |
| <u>EDIT CI(N), CI (N+1)</u>                                               | CI(N) to be edited and renamed CI(N+1)                                                                                         |
| <u>@ XOT ARMPL.EDIT</u><br>ZERO COUNTERS (YES or NO)<br><u>YES</u><br>??? | Execute the EDIT program<br><br>EDIT menu option. This is now the same as in previous chapter Building and Editing data files. |

Technical Report TR 6-83  
May 1983

Directorate of Studies and Analysis  
US Army Combined Arms Operations Research Activity  
Fort Leavenworth, KS 66027

AMMUNITION RESUPPLY MODEL

VOLUME III

STANDARD EUROPEAN HEAVY DIVISION DATA BASE

by

Mr. Clyde Harris

ACN 65676

Approved by:

  
RONALD G. MAGEE  
Director, S&AD

  
JOHN L. BALLANTYNE  
BG, USA  
Commander, CAORA

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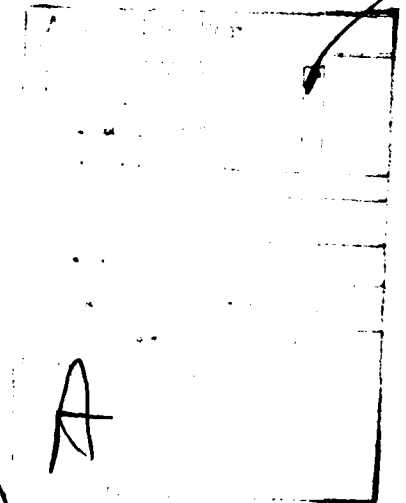
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

| REPORT DOCUMENTATION PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       | READ INSTRUCTIONS<br>BEFORE COMPLETING FORM                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------|
| 1. REPORT NUMBER<br>Technical Report 6-83                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2. GOVT ACCESSION NO. | 3. RECIPIENT'S CATALOG NUMBER                                  |
| 4. TITLE (and Subtitle)<br>Ammunition Resupply Model<br>Volume III<br>Standard European Heavy Division Data Base                                                                                                                                                                                                                                                                                                                                                                                                                             |                       | 5. TYPE OF REPORT & PERIOD COVERED<br>Final                    |
| 7. AUTHOR(s)<br>Mr. Clyde Harris                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       | 6. PERFORMING ORG. REPORT NUMBER<br>TR 6-83                    |
| 9. PERFORMING ORGANIZATION NAME AND ADDRESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       | 8. CONTRACT OR GRANT NUMBER(s)                                 |
| 11. CONTROLLING OFFICE NAME AND ADDRESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       | 10. PROGRAM ELEMENT, PROJECT, TASK<br>AREA & WORK UNIT NUMBERS |
| 14. MONITORING AGENCY NAME & ADDRESS (If different from Controlling Office)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       | 12. REPORT DATE<br>May 1983                                    |
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| 16. DISTRIBUTION STATEMENT (of this Report)<br>Approved for Public Release<br>Distribution Unlimited                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                                                                |
| 17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                                                                |
| 18. SUPPLEMENTARY NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                |
| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number)<br>War Game<br>Ammunition Resupply<br>Ammunition Consumption<br>Europe III Data Base                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number)<br>This report is one of three produced to document the Ammunition Resupply Model (ARM). Volume I is the Methodology and User's Manual. Volume II is the Programmer's Manual. Volume III contains all the values for an initial standard European heavy division data base, as well as computer listings, and data sources for those values. All remaining data needed for ARM to run the SCORES Europe III 2A and 2A Extended Scenarios is also included. |                       |                                                                |

AMMUNITION RESUPPLY MODEL  
STANDARD EUROPEAN HEAVY DIVISION DATA BASE  
VOLUME III

ABSTRACT

This is the third and concluding volume of the Ammunition Resupply Model (ARM) documentation. It contains all the values for an initial standard European heavy division data base, as well as computer listings, explanations, and data sources for those values. For further information concerning ARM, Volume 1 - Methodology and User's Manual and Volume 2 - Programmer's Manual, should be consulted.



AMMUNITION RESUPPLY MODEL  
STANDARD EUROPEAN HEAVY DIVISION DATA BASE  
VOLUME III

TABLE OF CONTENTS

|                                 | <u>Page</u> |
|---------------------------------|-------------|
| 1. Introduction .....           | 1           |
| 2. Demand Files .....           | 1           |
| 3. Distance Files .....         | 47          |
| 4. ASP/ATP Data .....           | 56          |
| 5. Unit Data .....              | 64          |
| 6. Truck Data .....             | 86          |
| 7. Ammo Data .....              | 119         |
| 8. Data Input by Operator ..... | 122         |
| 9. Miscellaneous .....          | 124         |
| 10. ARM Codes and Tables .....  | 128         |
| 11. Sources of Data .....       | 132         |

AMMUNITION RESUPPLY MODEL  
STANDARD EUROPEAN HEAVY DIVISION DATA BASE  
VOLUME III

LIST OF FIGURES

|                                   | <u>Page</u> |
|-----------------------------------|-------------|
| 1. Demand File .....              | 2-46        |
| 2. Distance File .....            | 48-55       |
| 3. IASP Array .....               | 58-60       |
| 4. IAMLVL Array .....             | 60          |
| 5. ISERV Array .....              | 60          |
| 6. IATP Array .....               | 63-64       |
| 7. IATPSD Array .....             | 64          |
| 8. IUNIT Array .....              | 67-85       |
| 9. ITRUCK Array .....             | 87-112      |
| 10. ITYPE Array .....             | 113         |
| 11. Truck Queues .....            | 114-118     |
| 12. IMIX Array .....              | 120-121     |
| 13. Operator Input Sheet .....    | 122-123     |
| 14. Distance Table .....          | 123-124     |
| 15. IRSTME Array .....            | 125         |
| 16. INTER Array .....             | 126         |
| 17. LPPAR Array .....             | 127         |
| 18. Miscellaneous Variables ..... | 128         |

## VOLUME III. STANDARD EUROPEAN HEAVY DIVISION DATA BASE

1. Introduction. The purpose of this third and final volume of the ARM documentation is to present and explain an initial ARM data base for a standard European heavy division. This volume covers the various elements of the data base in the order: demand files, distance files, ASP/ATP data, unit data, truck data, ammo data, and miscellaneous data. Each element is described by a brief overview, explanations and examples of the element printouts, a presentation of the numerical values which have been entered into that element, and the sources from which those values were derived. Where multiple sources are listed, they should not be thought of as independent. All were required to fulfill the data need. They are listed in order of importance. The key for data sources is in chapter 11. ARM codes and tables are listed in Chapter 10.

### 2. Demand Files.

a. Overview. In the running of each CI ARM processes a demand file. This file is encountered in Volume I, Chapter 6 as the LOG(N) file. The data it contains may come from the output of a war game or, when running in the ARM stand-alone mode, may be generated in any way necessary to reflect a particular scenario. All ARM requires is data in the format it expects.

b. Printouts and Explanations. Listing 1 is the demand file printout for the 75 ARM units through 15 CIs or 3 days of simulated combat. In the left-hand column of the printout are the 75 unit names. Associated with each unit is a data matrix with 5 columns and 6 rows. The columns are, in order: ammo type, number of weapons alive, number of weapons short of ammo, number of attack helicopters per cell (number of helicopters sent out per flight) and total demand (rounds shot). The last row is not used unless there are helicopters associated with the unit. The unit names are those used in the war game or scenario. The source for the ammo codes is the ammo code table of Chapter 10. The number of weapons alive is initially set by the gamer in accordance with the scenario and is thereafter updated through war game or scenario output. The number of weapons short of ammo is initialized to zero and then set by war game or scenario output. The demand is based upon a random draw from a demand window provided by the TRADOC combat arms schools. This window consists of two values, a high and low number of rounds expended for a particular CI. The number drawn is then modified to reflect such things as night or day, combat intensity, MOPP factor and visibility. The program that accomplishes this is discussed in Volume I, Chapter 4.



27. C13FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

36. C16FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

45. C19FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

28. A14FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

46. A21FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

29. B14FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

47. B21FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

30. C14FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

48. C21FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

31. A15FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

49. A21FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

32. B15FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

50. B21FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

33. C15FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

51. C21FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

34. A16FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

52. A22FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

35. B16FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C

53. B22FA

4 5 11 11 13 13  
5 5 5 5 5 5  
5 5 5 5 5 5  
0 0 0 0 0 0  
26 97 18 7 28 J  
C C C C C C



**Listing 1. Demand File (Cont'd) - (CI 2)**

| Listing 1. Demand Rate (Cont'd) - (Gr 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| 1. TF1A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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TF2A      | 3. TF3A       | 4. TF4A       | 5. TF5A       | 6. TF6A       | 7. TF7A       | 8. TF8A       | 9. TF9A       | 10. TF10A     |
| 1 34 21 0 252                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| 2 13 1 0 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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2 13 1 0 16   | 2 13 1 0 16   | 2 13 1 0 16   | 2 13 1 0 16   | 2 13 1 0 16   | 2 13 1 0 16   | 2 13 1 0 16   | 2 13 1 0 16   |
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| 4 16 6 0 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |              |               |               |               |               |               |               |               |               |





**Listing 1. Demand File (Cont'd) - (CI 3)**

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Listing 1. Demand File (Cont'd) - (CI 4)

| Listing 1. Demand File (Cont'd) - (CI 4) |      |    |    |    |      |     |      |    |    |    |        |  |
|------------------------------------------|------|----|----|----|------|-----|------|----|----|----|--------|--|
| 1.                                       | 1F1A | 1  | 27 | 8  | 96   | 10. | 1F3M | 17 | 34 | 29 | 01J350 |  |
|                                          |      | 2  | 1  | 1  | 2    |     |      |    |    |    |        |  |
|                                          |      | 25 | 10 | 3  | 3    |     |      |    |    |    |        |  |
|                                          |      | 16 | 6  | 6  | 336  |     |      |    |    |    |        |  |
|                                          |      | 17 | 11 | 4  | 216  |     |      |    |    |    |        |  |
|                                          |      | 1  | 3  | 0  | 0    |     |      |    |    |    |        |  |
| 2.                                       | 1F2A | 1  | 24 | 16 | 0    | 410 |      |    |    |    |        |  |
|                                          |      | 2  | 5  | 4  | 20   |     |      |    |    |    |        |  |
|                                          |      | 25 | 8  | 6  | 32   |     |      |    |    |    |        |  |
|                                          |      | 16 | 4  | 4  | 344  |     |      |    |    |    |        |  |
|                                          |      | 17 | 13 | 12 | 3060 |     |      |    |    |    |        |  |
|                                          |      | 1  | 3  | 0  | 0    |     |      |    |    |    |        |  |
| 3.                                       | 1F3A | 1  | 29 | 13 | 0    | 234 |      |    |    |    |        |  |
|                                          |      | 2  | 1  | 4  | 5    |     |      |    |    |    |        |  |
|                                          |      | 25 | 11 | 4  | 12   |     |      |    |    |    |        |  |
|                                          |      | 16 | 5  | 7  | 260  |     |      |    |    |    |        |  |
|                                          |      | 17 | 12 | 5  | 1085 |     |      |    |    |    |        |  |
|                                          |      | 1  | 0  | 0  | 0    |     |      |    |    |    |        |  |
| 4.                                       | 1F4A | 1  | 40 | 13 | 0    | 26  |      |    |    |    |        |  |
|                                          |      | 2  | 6  | 3  | 6    |     |      |    |    |    |        |  |
|                                          |      | 25 | 13 | 4  | 4    |     |      |    |    |    |        |  |
|                                          |      | 16 | 6  | 6  | 234  |     |      |    |    |    |        |  |
|                                          |      | 17 | 19 | 7  | 1925 |     |      |    |    |    |        |  |
|                                          |      | 1  | 0  | 0  | 0    |     |      |    |    |    |        |  |
| 5.                                       | 1F5A | 1  | 35 | 17 | 0    | 136 |      |    |    |    |        |  |
|                                          |      | 2  | 5  | 0  | 0    |     |      |    |    |    |        |  |
|                                          |      | 25 | 15 | 0  | 0    |     |      |    |    |    |        |  |
|                                          |      | 16 | 6  | 6  | 174  |     |      |    |    |    |        |  |
|                                          |      | 17 | 15 | 0  | 0    |     |      |    |    |    |        |  |
|                                          |      | 1  | 0  | 0  | 0    |     |      |    |    |    |        |  |
| 6.                                       | 1F6A | 1  | 39 | 20 | 0    | 120 |      |    |    |    |        |  |
|                                          |      | 2  | 5  | 4  | 4    |     |      |    |    |    |        |  |
|                                          |      | 25 | 11 | 8  | 8    |     |      |    |    |    |        |  |
|                                          |      | 16 | 6  | 6  | 138  |     |      |    |    |    |        |  |
|                                          |      | 17 | 16 | 12 | 1788 |     |      |    |    |    |        |  |
|                                          |      | 1  | 0  | 0  | 0    |     |      |    |    |    |        |  |
| 7.                                       | 1F7A | 1  | 0  | 0  | 0    | 0   |      |    |    |    |        |  |
|                                          |      | 2  | 0  | 0  | 0    | 0   |      |    |    |    |        |  |
|                                          |      | 25 | 0  | 0  | 0    | 0   |      |    |    |    |        |  |
|                                          |      | 16 | 0  | 0  | 0    | 0   |      |    |    |    |        |  |
|                                          |      | 17 | 0  | 0  | 0    | 0   |      |    |    |    |        |  |
| 8.                                       | 1F8A | 1  | 0  | 0  | 0    | 0   |      |    |    |    |        |  |
|                                          |      | 2  | 0  | 0  | 0    | 0   |      |    |    |    |        |  |
|                                          |      | 25 | 0  | 0  | 0    | 0   |      |    |    |    |        |  |
|                                          |      | 16 | 0  | 0  | 0    | 0   |      |    |    |    |        |  |
|                                          |      | 17 | 0  | 0  | 0    | 0   |      |    |    |    |        |  |
| 9.                                       | 1F9A | 1  | 21 | 18 | 0    | 540 |      |    |    |    |        |  |
|                                          |      | 2  | 14 | 12 | 0    | 72  |      |    |    |    |        |  |
|                                          |      | 25 | 20 | 17 | 0    | 102 |      |    |    |    |        |  |
|                                          |      | 16 | 6  | 6  | 0    | 04  |      |    |    |    |        |  |

|     |       |                                    |           |                               |                            |                            |           |                             |
|-----|-------|------------------------------------|-----------|-------------------------------|----------------------------|----------------------------|-----------|-----------------------------|
| 27. | C15FA | 63<br>257<br>44<br>16<br>16<br>0   | 36. C16FA | 4<br>9<br>11<br>12<br>13<br>0 | 7<br>7<br>7<br>7<br>7<br>0 | 0<br>0<br>0<br>0<br>0<br>0 | 45. C19FA | 0<br>0<br>0<br>0<br>0<br>0  |
| 28. | A14FA | 111<br>452<br>77<br>28<br>28<br>0  | 37. A17FA | 9<br>17<br>19<br>0<br>0<br>0  | 6<br>6<br>6<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0 | 46. A20FA | 0<br>0<br>0<br>0<br>0<br>0  |
| 29. | B14FA | 0<br>0<br>0<br>0<br>0<br>0         | 38. B17FA | 5<br>15<br>0<br>0<br>0<br>0   | 6<br>6<br>6<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0 | 47. B21FA | 0<br>0<br>0<br>0<br>0<br>0  |
| 30. | C14FA | 0<br>0<br>0<br>0<br>0<br>0         | 39. C17FA | 10<br>0<br>0<br>0<br>0<br>0   | 8<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0 | 48. C20FA | 0<br>0<br>0<br>0<br>0<br>0  |
| 31. | A15FA | 159<br>647<br>110<br>40<br>40<br>0 | 40. A18FA | 6<br>15<br>0<br>0<br>0<br>0   | 6<br>6<br>6<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0 | 49. A21FA | 6<br>7<br>15<br>0<br>0<br>0 |
| 32. | B15FA | 84<br>339<br>57<br>21<br>21<br>0   | 41. B18FA | 6<br>15<br>0<br>0<br>0<br>0   | 5<br>5<br>5<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0 | 50. B21FA | 6<br>7<br>15<br>0<br>0<br>0 |
| 33. | C15FA | 54<br>218<br>37<br>13<br>13<br>0   | 42. C18FA | 10<br>0<br>0<br>0<br>0<br>0   | 8<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0 | 51. C21FA | 8<br>15<br>0<br>0<br>0<br>0 |
| 34. | A16FA | 75<br>304<br>51<br>19<br>19<br>0   | 43. A19FA | 0<br>0<br>0<br>0<br>0<br>0    | 0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0 | 52. A22FA | 6<br>7<br>15<br>0<br>0<br>0 |
| 35. | B16FA | 99<br>412<br>68<br>25<br>25<br>0   | 44. B19FA | 0<br>0<br>0<br>0<br>0<br>0    | 0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0 | 53. B23FA | 6<br>0<br>0<br>0<br>0<br>0  |



**Listing 1. Demand File (Cont'd) - (CI 5)**

| Listing 1. Demand File (Cont'd) - (CI 5) |    |    |    |    |    |
|------------------------------------------|----|----|----|----|----|
|                                          | 1. | 2. | 3. | 4. | 5. |
| 1. TF1A                                  | 76 | 10 | 10 | 10 | 10 |
| 2. TF2A                                  | 10 | 10 | 10 | 10 | 10 |
| 3. TF3A                                  | 10 | 10 | 10 | 10 | 10 |
| 4. TF4A                                  | 10 | 10 | 10 | 10 | 10 |
| 5. TF5A                                  | 10 | 10 | 10 | 10 | 10 |
| 6. TF6A                                  | 10 | 10 | 10 | 10 | 10 |
| 7. TF7A                                  | 10 | 10 | 10 | 10 | 10 |
| 8. TF8A                                  | 10 | 10 | 10 | 10 | 10 |
| 9. TF9A                                  | 10 | 10 | 10 | 10 | 10 |
| 10. TF10A                                | 10 | 10 | 10 | 10 | 10 |
| 11. TF11A                                | 10 | 10 | 10 | 10 | 10 |
| 12. TF12A                                | 10 | 10 | 10 | 10 | 10 |
| 13. TF13A                                | 10 | 10 | 10 | 10 | 10 |
| 14. TF14A                                | 10 | 10 | 10 | 10 | 10 |
| 15. TF15A                                | 10 | 10 | 10 | 10 | 10 |
| 16. TF16A                                | 10 | 10 | 10 | 10 | 10 |
| 17. TF17A                                | 10 | 10 | 10 | 10 | 10 |
| 18. TF18A                                | 10 | 10 | 10 | 10 | 10 |
| 19. TF19A                                | 10 | 10 | 10 | 10 | 10 |
| 20. TF20A                                | 10 | 10 | 10 | 10 | 10 |
| 21. TF21A                                | 10 | 10 | 10 | 10 | 10 |
| 22. TF22A                                | 10 | 10 | 10 | 10 | 10 |
| 23. TF23A                                | 10 | 10 | 10 | 10 | 10 |
| 24. TF24A                                | 10 | 10 | 10 | 10 | 10 |
| 25. TF25A                                | 10 | 10 | 10 | 10 | 10 |
| 26. TF26A                                | 10 | 10 | 10 | 10 | 10 |
| 27. TF27A                                | 10 | 10 | 10 | 10 | 10 |
| 28. TF28A                                | 10 | 10 | 10 | 10 | 10 |
| 29. TF29A                                | 10 | 10 | 10 | 10 | 10 |
| 30. TF30A                                | 10 | 10 | 10 | 10 | 10 |

[illegible]

71. 13ADA  
 72. 1ACAS  
 73. 2ACAS  
 74. 3ACAS  
 75.

62. P21FA  
 63. C21FA  
 64. A26FA  
 65. P26FA  
 66. C26FA  
 67. A1ALA  
 68. B1ALA  
 69. C1ADA  
 70. 12ADA

54. C22FA  
 55. A27FA  
 56. P27FA  
 57. C27FA  
 58. A28FA  
 59. B28FA  
 60. C28FA  
 61. A29FA

Listing 1. Demand File (Cont'd) - (CI 6)

| Listing 1. Demand File (Cont'd) - (CI 6) |    |    |    |   |     |   |   |   |   |
|------------------------------------------|----|----|----|---|-----|---|---|---|---|
| 1. TF1A                                  | 1  | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 25 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 10 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
| 2. TF2A                                  | 1  | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 25 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 10 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
| 3. TF2A                                  | 1  | 29 | 24 | 0 | 336 | 4 | 0 | 0 | 0 |
|                                          | 25 | 11 | 3  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 10 | 15 | 5  | 0 | 19  | 0 | 0 | 0 | 0 |
|                                          | 17 | 26 | 12 | 0 | 14  | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
| 4. TF4A                                  | 1  | 23 | 16 | 0 | 176 | 0 | 0 | 0 | 0 |
|                                          | 25 | 13 | 5  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 10 | 6  | 6  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 19 | 13 | 0 | 402 | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
| 5. TF4A                                  | 1  | 34 | 20 | 0 | 280 | 4 | 0 | 0 | 0 |
|                                          | 25 | 10 | 7  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 10 | 5  | 5  | 0 | 25  | 0 | 0 | 0 | 0 |
|                                          | 17 | 15 | 11 | 0 | 676 | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
| 6. TF4A                                  | 1  | 11 | 10 | 0 | 96  | 0 | 0 | 0 | 0 |
|                                          | 25 | 4  | 4  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 10 | 5  | 5  | 0 | 624 | 0 | 0 | 0 | 0 |
|                                          | 17 | 13 | 0  | 0 | 156 | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
| 7. TF7-                                  | 1  | 10 | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 25 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 10 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
| 8. TF4A                                  | 1  | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 25 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 10 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
| 9. TF4A                                  | 1  | 17 | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 25 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 10 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
| 10. TF4A                                 | 1  | 17 | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 25 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 10 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 17 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
| 11. TF7H                                 | 1  | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |
|                                          | 25 | 0  | 0  | 0 | 0   | 0 | 0 | 0 | 0 |





Listing 1. Demand File (Cont'd) - (CI 7)

[illegible]

[illegible]

[illegible]

Listing 1. Demand File (Cont'd) - (CI 8)

[illegible]

[illegible]



Listing 1. Demand File (Cont'd) - (CI 9)

Listing 1. Demand File (Cont'd) - (CI 9)

|         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 1F1A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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|     |       |                                    |                            |                            |                            |              |                                  |                                  |                                  |              |                                  |
|-----|-------|------------------------------------|----------------------------|----------------------------|----------------------------|--------------|----------------------------------|----------------------------------|----------------------------------|--------------|----------------------------------|
| 27. | C18FA | 98<br>400<br>69<br>25<br>25<br>6   | 4<br>4<br>4<br>4<br>4<br>4 | 4<br>4<br>4<br>4<br>4<br>4 | 4<br>4<br>4<br>4<br>4<br>4 | 36.<br>C16FA | 4<br>5<br>5<br>5<br>5<br>5       | 5<br>5<br>5<br>5<br>5<br>5       | 5<br>5<br>5<br>5<br>5<br>5       | 45.<br>C19FA | 95<br>216<br>37<br>13<br>13<br>1 |
| 28. | A14FA | 97<br>355<br>60<br>22<br>22<br>3   | 6<br>6<br>6<br>6<br>6<br>6 | 6<br>6<br>6<br>6<br>6<br>6 | 6<br>6<br>6<br>6<br>6<br>6 | 37.<br>A17FA | 6<br>7<br>7<br>7<br>7<br>7       | 7<br>7<br>7<br>7<br>7<br>7       | 7<br>7<br>7<br>7<br>7<br>7       | 46.<br>A20FA | 93<br>317<br>56<br>11<br>11<br>1 |
| 29. | B14FA | 118<br>480<br>51<br>30<br>39<br>0  | 5<br>5<br>5<br>5<br>5<br>5 | 5<br>5<br>5<br>5<br>5<br>5 | 5<br>5<br>5<br>5<br>5<br>5 | 38.<br>B17FA | 6<br>7<br>7<br>7<br>7<br>7       | 7<br>7<br>7<br>7<br>7<br>7       | 7<br>7<br>7<br>7<br>7<br>7       | 47.<br>B20FA | 25<br>35<br>15<br>11<br>11<br>1  |
| 30. | C19FA | 163<br>663<br>112<br>41<br>41<br>0 | 5<br>5<br>5<br>5<br>5<br>5 | 5<br>5<br>5<br>5<br>5<br>5 | 5<br>5<br>5<br>5<br>5<br>5 | 39.<br>C17FA | 10<br>10<br>10<br>10<br>10<br>10 | 10<br>10<br>10<br>10<br>10<br>10 | 10<br>10<br>10<br>10<br>10<br>10 | 48.<br>C20FA | 0<br>0<br>0<br>0<br>0<br>0       |
| 31. | A15FA | 67<br>273<br>46<br>17<br>17<br>0   | 5<br>5<br>5<br>5<br>5<br>5 | 5<br>5<br>5<br>5<br>5<br>5 | 5<br>5<br>5<br>5<br>5<br>5 | 40.<br>A18FA | 6<br>7<br>15<br>1<br>1<br>1      | 4<br>4<br>4<br>4<br>4<br>4       | 4<br>4<br>4<br>4<br>4<br>4       | 49.<br>A21FA | 24<br>93<br>15<br>10<br>10<br>1  |
| 32. | B15FA | 15<br>22<br>10<br>4<br>4<br>7      | 5<br>5<br>5<br>5<br>5<br>5 | 5<br>5<br>5<br>5<br>5<br>5 | 5<br>5<br>5<br>5<br>5<br>5 | 41.<br>B18FA | 6<br>7<br>15<br>1<br>1<br>1      | 4<br>4<br>4<br>4<br>4<br>4       | 4<br>4<br>4<br>4<br>4<br>4       | 50.<br>B21FA | 16<br>56<br>17<br>10<br>10<br>1  |
| 33. | C18FA | 56<br>269<br>46<br>17<br>17<br>0   | 5<br>5<br>5<br>5<br>5<br>5 | 5<br>5<br>5<br>5<br>5<br>5 | 5<br>5<br>5<br>5<br>5<br>5 | 42.<br>C18FA | 10<br>10<br>10<br>10<br>10<br>10 | 7<br>7<br>7<br>7<br>7<br>7       | 7<br>7<br>7<br>7<br>7<br>7       | 51.<br>C21FA | 56<br>9<br>3<br>3<br>3<br>3      |
| 34. | A16FA | 96<br>347<br>55<br>24<br>24<br>1   | 6<br>6<br>6<br>6<br>6<br>6 | 6<br>6<br>6<br>6<br>6<br>6 | 6<br>6<br>6<br>6<br>6<br>6 | 43.<br>A20FA | 10<br>10<br>10<br>10<br>10<br>10 | 7<br>7<br>7<br>7<br>7<br>7       | 7<br>7<br>7<br>7<br>7<br>7       | 52.<br>A22FA | 0<br>0<br>0<br>0<br>0<br>0       |
| 35. | B16FA | 78<br>311<br>33<br>19<br>19<br>0   | 6<br>6<br>6<br>6<br>6<br>6 | 6<br>6<br>6<br>6<br>6<br>6 | 6<br>6<br>6<br>6<br>6<br>6 | 44.<br>B19FA | 10<br>10<br>10<br>10<br>10<br>10 | 7<br>7<br>7<br>7<br>7<br>7       | 7<br>7<br>7<br>7<br>7<br>7       | 53.<br>B22FA | 0<br>0<br>0<br>0<br>0<br>0       |

| Item      | QTY | UNIT | DESCRIPTION | PRICE | TOTAL | DATE  | REMARKS |
|-----------|-----|------|-------------|-------|-------|-------|---------|
| 52. B25FA | 16  | 1    | 16.00       | 16.00 | 16.00 | 16.00 |         |
| 53. C25FA | 14  | 1    | 14.00       | 14.00 | 14.00 | 14.00 |         |
| 54. A26FA | 16  | 1    | 16.00       | 16.00 | 16.00 | 16.00 |         |
| 55. A23FA | 10  | 1    | 10.00       | 10.00 | 10.00 | 10.00 |         |
| 56. B27FA | 16  | 1    | 16.00       | 16.00 | 16.00 | 16.00 |         |
| 57. C28FA | 16  | 1    | 16.00       | 16.00 | 16.00 | 16.00 |         |
| 58. A24FA | 16  | 1    | 16.00       | 16.00 | 16.00 | 16.00 |         |
| 59. B24FA | 16  | 1    | 16.00       | 16.00 | 16.00 | 16.00 |         |
| 60. C25FA | 16  | 1    | 16.00       | 16.00 | 16.00 | 16.00 |         |
| 61. A25FA | 16  | 1    | 16.00       | 16.00 | 16.00 | 16.00 |         |

### Listing 1. Demand File (Cont'd) - (CI 10)

|         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
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| 1. 111A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |
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# Listing 1. Demand File (Cont'd) - (CI 11)

| Listing 1. Demand File (Cont'd) - (CI 11) |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.                                        | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | 16. | 17. | 18. | 19. | 20. | 21. | 22. | 23. | 24. | 25. | 26. | 27. | 28. | 29. | 30. |
| 1.                                        | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 2.                                        | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 3.                                        | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   |
| 4.                                        | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   |
| 5.                                        | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |
| 6.                                        | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   |
| 7.                                        | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   |
| 8.                                        | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   |
| 9.                                        | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   |
| 10.                                       | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  |
| 11.                                       | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  |
| 12.                                       | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  |
| 13.                                       | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  |
| 14.                                       | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  |
| 15.                                       | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  |
| 16.                                       | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  |
| 17.                                       | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17  |
| 18.                                       | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 18  |
| 19.                                       | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  |
| 20.                                       | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  |
| 21.                                       | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  | 21  |
| 22.                                       | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  |
| 23.                                       | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  |
| 24.                                       | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  | 24  |
| 25.                                       | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  |
| 26.                                       | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  |
| 27.                                       | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  |
| 28.                                       | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 28  |
| 29.                                       | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  | 29  |
| 30.                                       | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  |
| 31.                                       | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  |
| 32.                                       | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  | 32  |
| 33.                                       | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  | 33  |
| 34.                                       | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  | 34  |
| 35.                                       | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  |
| 36.                                       | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  |
| 37.                                       | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  | 37  |
| 38.                                       | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  | 38  |
| 39.                                       | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  |
| 40.                                       | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  |
| 41.                                       | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  | 41  |
| 42.                                       | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  |
| 43.                                       | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  | 43  |
| 44.                                       | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  |
| 45.                                       | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  | 45  |
| 46.                                       | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  |
| 47.                                       | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  | 47  |
| 48.                                       | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  | 48  |
| 49.                                       | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 49  |
| 50.                                       | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  | 50  |
| 51.                                       | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  |
| 52.                                       | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  | 52  |
| 53.                                       | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  | 53  |
| 54.                                       | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  | 54  |
| 55.                                       | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  | 55  |
| 56.                                       | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  | 56  |
| 57.                                       | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  |
| 58.                                       | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  | 58  |
| 59                                        |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |



[illegible]

Listing 1. Demand File (Cont'd) - (CI 12)

| Listing 1. Demand File (Cont'd) - (CI 12) |    |    |    |   |      |             |  |  |  |
|-------------------------------------------|----|----|----|---|------|-------------|--|--|--|
| 1. TF1A                                   | 1  | 13 | 13 | 0 | 91   |             |  |  |  |
|                                           | 25 | 5  | 5  | 0 | 3    | 10. TF3M    |  |  |  |
|                                           | 16 | 8  | 8  | 0 | 72   |             |  |  |  |
|                                           | 17 | 5  | 5  | 0 | 45   |             |  |  |  |
|                                           | 1  | 0  | 0  | 0 | 0    |             |  |  |  |
| 2. TF2A                                   | 1  | 0  | 0  | 0 | 0    | 11. TF2M    |  |  |  |
|                                           | 25 | 0  | 0  | 0 | 0    |             |  |  |  |
|                                           | 16 | 0  | 0  | 0 | 0    |             |  |  |  |
|                                           | 17 | 0  | 0  | 0 | 0    |             |  |  |  |
| 3. TF3A                                   | 1  | 18 | 16 | 0 | 192  |             |  |  |  |
|                                           | 2  | 2  | 2  | 0 | 6    |             |  |  |  |
|                                           | 25 | 5  | 5  | 0 | 13   | 12. TF4M    |  |  |  |
|                                           | 16 | 3  | 3  | 0 | 168  |             |  |  |  |
|                                           | 17 | 7  | 7  | 0 | 777  |             |  |  |  |
|                                           | 1  | 0  | 0  | 0 | 0    |             |  |  |  |
| 4. TF4A                                   | 1  | 13 | 19 | 0 | 171  |             |  |  |  |
|                                           | 2  | 2  | 3  | 0 | 3    |             |  |  |  |
|                                           | 25 | 13 | 6  | 0 | 12   | 13. TF5M    |  |  |  |
|                                           | 16 | 5  | 5  | 0 | 132  |             |  |  |  |
|                                           | 17 | 19 | 9  | 0 | 45   |             |  |  |  |
|                                           | 1  | 0  | 0  | 0 | 0    |             |  |  |  |
| 5. TF5A                                   | 1  | 13 | 24 | 0 | 48   |             |  |  |  |
|                                           | 2  | 5  | 3  | 0 | 9    |             |  |  |  |
|                                           | 25 | 10 | 7  | 0 | 70   | 14. TF6M    |  |  |  |
|                                           | 16 | 4  | 4  | 0 | 50   |             |  |  |  |
|                                           | 17 | 15 | 1  | 0 | 0    |             |  |  |  |
|                                           | 1  | 16 | 0  | 0 | 0    |             |  |  |  |
| 6. TF6A                                   | 1  | 16 | 0  | 0 | 0    |             |  |  |  |
|                                           | 2  | 6  | 0  | 0 | 18   |             |  |  |  |
|                                           | 25 | 9  | 0  | 0 | 11   | 15. 12ACF   |  |  |  |
|                                           | 16 | 4  | 0  | 0 | 1225 |             |  |  |  |
|                                           | 17 | 15 | 0  | 0 | 0    |             |  |  |  |
|                                           | 1  | 0  | 0  | 0 | 0    |             |  |  |  |
| 7. TF7A                                   | 1  | 26 | 16 | 0 | 54   |             |  |  |  |
|                                           | 2  | 6  | 4  | 0 | 2    |             |  |  |  |
|                                           | 25 | 20 | 14 | 0 | 14   | 16. 13ACR   |  |  |  |
|                                           | 16 | 6  | 0  | 0 | 260  |             |  |  |  |
|                                           | 17 | 0  | 0  | 0 | 0    |             |  |  |  |
|                                           | 1  | 0  | 0  | 0 | 0    |             |  |  |  |
| 8. TF8A                                   | 1  | 0  | 0  | 0 | 0    |             |  |  |  |
|                                           | 2  | 1  | 1  | 0 | 0    |             |  |  |  |
|                                           | 25 | 9  | 0  | 0 | 14   | 17. FA12ACD |  |  |  |
|                                           | 16 | 0  | 0  | 0 | 313  |             |  |  |  |
|                                           | 17 | 0  | 0  | 0 | 400  |             |  |  |  |
|                                           | 1  | 0  | 0  | 0 | 0    |             |  |  |  |
| 9. TF9A                                   | 1  | 16 | 16 | 0 | 04   |             |  |  |  |
|                                           | 2  | 10 | 11 | 0 | 11   |             |  |  |  |
|                                           | 25 | 0  | 0  | 0 | 0    | 18. FA13ACD |  |  |  |
|                                           | 16 | 0  | 0  | 0 | 0    |             |  |  |  |
|                                           | 17 | 0  | 0  | 0 | 0    |             |  |  |  |
|                                           | 1  | 0  | 0  | 0 | 0    |             |  |  |  |
| 10. TF10A                                 | 1  | 16 | 16 | 0 | 04   |             |  |  |  |
|                                           | 2  | 10 | 11 | 0 | 11   |             |  |  |  |
|                                           | 25 | 0  | 0  | 0 | 0    |             |  |  |  |
|                                           | 16 | 0  | 0  | 0 | 0    |             |  |  |  |
|                                           | 17 | 0  | 0  | 0 | 0    |             |  |  |  |
|                                           | 1  | 0  | 0  | 0 | 0    |             |  |  |  |





Listing 1. Demand File (Cont'd) - (CI 13)

[illegible]

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62. P25FA

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54. C22FA

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15

3

55. A23FA

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3

56. B23FA

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3

57. C23FA

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58. A24FA

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3

59. B24FA

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3

3

60. C24FA

10

3

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61. A25FA

10

3

3

63. C25FA

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27

3

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64. A26FA

147

0

7

7

7

65. B26FA

175

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7

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66. C26FA

294

0

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7

67. A1ADA

2

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68. B1ADA

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69. C1ADA

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70. 12ADA

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71. 13ADA

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72. 1ACAS

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73. 2ACAS

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74. 3ACAS

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11A

| Listing 1. Demand File (Cont'd) - (CI 14) |         |         |         |         |         |         |         |         |          |
|-------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| 1. IP1A                                   | 2. IP1A | 3. IP1A | 4. IP1A | 5. IP1A | 6. IP1A | 7. IP1A | 8. IP1A | 9. IP1A | 10. IP1A |
| 1                                         | 11      | 11      | 1       | 77      |         |         |         |         |          |
| 2                                         | 3       | 3       | 3       |         |         |         |         |         |          |
| 25                                        | 5       | 5       | 5       | 10      |         |         |         |         |          |
| 15                                        | 8       | 8       | 8       | 531     |         |         |         |         |          |
| 17                                        | 5       | 5       | 5       | 890     |         |         |         |         |          |
|                                           | 0       | 0       | 0       | 0       |         |         |         |         |          |
| 1                                         | 10      | 11      | 0       | 33      |         |         |         |         |          |
| 2                                         | 3       | 3       | 3       | 9       |         |         |         |         |          |
| 25                                        | 5       | 5       | 5       | 5       |         |         |         |         |          |
| 16                                        | 3       | 3       | 3       | 67      |         |         |         |         |          |
| 17                                        | 8       | 8       | 8       | 272     |         |         |         |         |          |
|                                           | 0       | 0       | 0       | 0       |         |         |         |         |          |
| 1                                         | 21      | 3       | 3       | 0       | 34      |         |         |         |          |
| 2                                         | 4       | 2       | 3       | 16      |         |         |         |         |          |
| 25                                        | 8       | 2       | 3       | 6       |         |         |         |         |          |
| 16                                        | 14      | 0       | 0       | 0       |         |         |         |         |          |
| 17                                        | 12      | 4       | 0       | 1,384   |         |         |         |         |          |
|                                           | 0       | 0       | 0       | 0       |         |         |         |         |          |
| 1                                         | 25      | 16      | 0       | 34      |         |         |         |         |          |
| 2                                         | 6       | 5       | 3       | 5       |         |         |         |         |          |
| 25                                        | 12      | 8       | 3       | 8       |         |         |         |         |          |
| 16                                        | 4       | 4       | 3       | 41      |         |         |         |         |          |
| 17                                        | 18      | 13      | 0       | 416     |         |         |         |         |          |
|                                           | 0       | 0       | 0       | 0       |         |         |         |         |          |
| 1                                         | 33      | 10      | 0       | 259     |         |         |         |         |          |
| 2                                         | 5       | 3       | 3       | 9       |         |         |         |         |          |
| 25                                        | 8       | 5       | 0       | 5       |         |         |         |         |          |
| 16                                        | 4       | 4       | 3       | 143     |         |         |         |         |          |
| 17                                        | 13      | 8       | 3       | 120     |         |         |         |         |          |
|                                           | 0       | 0       | 0       | 0       |         |         |         |         |          |
| 1                                         | 30      | 0       | 0       | 5       |         |         |         |         |          |
| 2                                         | 6       | 1       | 0       | 0       |         |         |         |         |          |
| 25                                        | 11      | 0       | 0       | 0       |         |         |         |         |          |
| 16                                        | 4       | 0       | 0       | 0       |         |         |         |         |          |
| 17                                        | 17      | 0       | 0       | 0       |         |         |         |         |          |
|                                           | 0       | 0       | 0       | 0       |         |         |         |         |          |
| 1                                         | 25      | 18      | 0       | 72      |         |         |         |         |          |
| 2                                         | 6       | 6       | 0       | 30      |         |         |         |         |          |
| 25                                        | 24      | 12      | 0       | 36      |         |         |         |         |          |
| 16                                        | 6       | 6       | 0       | 552     |         |         |         |         |          |
| 17                                        | 30      | 18      | 0       | 2838    |         |         |         |         |          |
|                                           | 0       | 0       | 0       | 0       |         |         |         |         |          |
| 1                                         | 7       | 7       | 0       | 7       |         |         |         |         |          |
| 2                                         | 1       | 1       | 0       | 4       |         |         |         |         |          |
| 25                                        | 9       | 5       | 0       | 18      |         |         |         |         |          |
| 16                                        | 10      | 10      | 0       | 2,00    |         |         |         |         |          |
| 17                                        | 5       | 5       | 0       | 45      |         |         |         |         |          |
|                                           | 0       | 0       | 0       | 0       |         |         |         |         |          |
| 1                                         | 14      | 12      | 0       | 35      |         |         |         |         |          |
| 2                                         | 14      | 1       | 0       | 0       |         |         |         |         |          |
| 25                                        | 19      | 14      | 0       | 29      |         |         |         |         |          |
| 16                                        | 5       | 5       | 0       | 43      |         |         |         |         |          |
| 17                                        | 1       | 1       | 0       | 1       |         |         |         |         |          |

27. 01342

28. - 147 A

29. 3144 A

3. C144A

31. ALFA

51. 5151

35. C15FA

5. 6. 7.

31. 21.6.22

35. Class A

57. A: 7FA

53. 827FA

39. C17F1

• 1945

41. 513FA

42. Claf 1

43. AB'FA

2 JAN 45

4. CIVIL

4b. A 4114 A

21. 5. 44

211

19. A-IFA

• b7FA

1. Cc:FA

20. A &amp; B

5. 6.24.3



**Listing 1. Demand File (Cont'd) - (CI 15)**

| Listing 1. Demand File (Cont'd) - (CI 15) |    |    |     |      |    |    |    |    |          |
|-------------------------------------------|----|----|-----|------|----|----|----|----|----------|
| 1.                                        | 2. | 3. | 4.  | 5.   | 6. | 7. | 8. | 9. | 10.      |
| 1.                                        | 13 | 11 | 135 |      |    |    |    |    | 10. 113M |
| 2.                                        | 5  | 3  | 33  |      |    |    |    |    |          |
| 3.                                        | 5  | 5  | 5   |      |    |    |    |    |          |
| 4.                                        | 10 | 10 | 9   | 9    | 7  |    |    |    |          |
| 5.                                        | 17 | 5  | 5   | 245  |    |    |    |    |          |
| 6.                                        | 0  | 0  | 0   | 0    |    |    |    |    |          |
| 7.                                        | 13 | 11 | 7   | 111  |    |    |    |    | 11. 112M |
| 8.                                        | 5  | 3  | 7   | 15   |    |    |    |    |          |
| 9.                                        | 5  | 5  | 7   | 20   |    |    |    |    |          |
| 10.                                       | 13 | 3  | 3   | 147  |    |    |    |    |          |
| 11.                                       | 14 | 8  | 3   | 391  |    |    |    |    |          |
| 12.                                       | 0  | 0  | 0   | 0    |    |    |    |    |          |
| 13.                                       | 24 | 3  | 7   | 39   |    |    |    |    | 12. 114M |
| 14.                                       | 5  | 1  | 7   | 2    |    |    |    |    |          |
| 15.                                       | 9  | 1  | 7   | 3    |    |    |    |    |          |
| 16.                                       | 4  | 0  | 7   | 0    |    |    |    |    |          |
| 17.                                       | 14 | 2  | 7   | 198  |    |    |    |    |          |
| 18.                                       | 0  | 0  | 7   | 1    |    |    |    |    |          |
| 19.                                       | 27 | 9  | 7   | 10   |    |    |    |    |          |
| 20.                                       | 6  | 5  | 7   | 13   |    |    |    |    | 13. 115M |
| 21.                                       | 12 | 9  | 7   | 9    |    |    |    |    |          |
| 22.                                       | 4  | 4  | 7   | 14   |    |    |    |    |          |
| 23.                                       | 18 | 14 | 7   | 294  |    |    |    |    |          |
| 24.                                       | 0  | 0  | 7   | 0    |    |    |    |    |          |
| 25.                                       | 34 | 22 | 7   | 403  |    |    |    |    | 14. 116M |
| 26.                                       | 5  | 3  | 7   | 9    |    |    |    |    |          |
| 27.                                       | 8  | 3  | 7   | 15   |    |    |    |    |          |
| 28.                                       | 4  | 4  | 7   | 212  |    |    |    |    |          |
| 29.                                       | 13 | 0  | 7   | 1792 |    |    |    |    |          |
| 30.                                       | 0  | 0  | 7   | 3    |    |    |    |    |          |
| 31.                                       | 35 | 0  | 7   | 3    |    |    |    |    | 15. 117M |
| 32.                                       | 6  | 0  | 7   | 0    |    |    |    |    |          |
| 33.                                       | 11 | 0  | 7   | 0    |    |    |    |    |          |
| 34.                                       | 4  | 0  | 7   | 0    |    |    |    |    |          |
| 35.                                       | 17 | 17 | 7   | 0    |    |    |    |    |          |
| 36.                                       | 0  | 0  | 7   | 0    |    |    |    |    |          |
| 37.                                       | 26 | 20 | 7   | 200  |    |    |    |    | 16. 118M |
| 38.                                       | 5  | 2  | 7   | 6    |    |    |    |    |          |
| 39.                                       | 23 | 15 | 7   | 15   |    |    |    |    |          |
| 40.                                       | 6  | 6  | 7   | 246  |    |    |    |    |          |
| 41.                                       | 29 | 17 | 7   | 1479 |    |    |    |    |          |
| 42.                                       | 0  | 0  | 7   | 0    |    |    |    |    |          |
| 43.                                       | 10 | 0  | 7   | 2    |    |    |    |    | 17. 119M |
| 44.                                       | 3  | 0  | 7   | 12   |    |    |    |    |          |
| 45.                                       | 11 | 7  | 7   | 6    |    |    |    |    |          |
| 46.                                       | 14 | 5  | 7   | 250  |    |    |    |    |          |
| 47.                                       | 5  | 5  | 7   | 675  |    |    |    |    |          |
| 48.                                       | 0  | 0  | 7   | 0    |    |    |    |    |          |
| 49.                                       | 14 | 11 | 7   | 13   |    |    |    |    | 18. 120M |
| 50.                                       | 14 | 0  | 7   | 13   |    |    |    |    |          |
| 51.                                       | 18 | 13 | 7   | 13   |    |    |    |    |          |
| 52.                                       | 4  | 4  | 7   | 102  |    |    |    |    |          |

27. C16FA

113 460 78

36. C16FA

4 5 11 12 13

1 1 1 1 1

45. C19FA

12 13

10 10

28. A16FA

5 6 11 12 13

37. A17FA

6 7 12 13

7 7 7 7

46. A17FA

4 5 12 13

171 697 111 43 45 0

29. B16FA

5 5 11 12 13

38. B17FA

6 7 12 13

6 6 6 6

47. B20FA

4 5 12 13

57 204 35 33 11 0

3. C16FA

5 5 11 12 13

39. C17FA

6 7 12 13

6 6 6 6

48. C21FA

4 5 12 13

33 135 23 8 0

31. A16FA

5 5 11 12 13

41. A19FA

6 7 12 13

6 6 6 6

49. A21FA

6 7 12 13

15 50 9 0 0

32. B16FA

5 5 11 12 13

41. B18FA

6 7 12 13

6 6 6 6

5. B21FA

6 7 12 13

30 103 18 0 0

34. C16FA

5 5 11 12 13

47. C18FA

6 7 12 13

6 6 6 6

51. C21FA

6 7 12 13

33 46 8 0 0

35. A16FA

5 5 11 12 13

43. A19FA

6 7 12 13

6 6 6 6

52. A22FA

6 7 12 13

12 12 3-5 0 0

37. B16FA

5 5 11 12 13

44. B19FA

6 7 12 13

6 6 6 6

53. A22FA

6 7 12 13

34

[illegible]

### 3. Distance Files.

a. Overview. In every CI a distance file is read into the IUNIT array. It is used to establish the distance from the center of mass of the batteries or maneuver units to their servicing ASP/ATP. This is done for all units.

b. Printouts and Explanations. Listing 2 is the distance file printout for units 1-75 and CIs 1-15. The final distances were established by actually measuring them on a map, taking the shortest distance modified by judicious use of the existing road network. The initial straight line distances were supplied by the MMCS. The between CI distances should be modified, if necessary, according to the specific scenario employed. Procedures for doing so can be found in Volume I, Chapter 5.

# Listing 2. Distance File

| CI 1 |     |     |          |          | CI 2 |     |     |          |          |
|------|-----|-----|----------|----------|------|-----|-----|----------|----------|
| UNIT | ATP | ASP | ATP DIST | ASP DIST | UNIT | ATP | ASP | ATP DIST | ASP DIST |
| 1    | 3   | 12  | 26       | 58       | 1    | 3   | 12  | 26       | 58       |
| 2    | 2   | 14  | 23       | 55       | 2    | 2   | 14  | 20       | 57       |
| 3    | 1   | 11  | 34       | 67       | 3    | 1   | 11  | 37       | 70       |
| 4    | 2   | 14  | 12       | 43       | 4    | 2   | 14  | 12       | 43       |
| 5    | 3   | 13  | 10       | 45       | 5    | 3   | 13  | 10       | 45       |
| 6    | 3   | 13  | 14       | 49       | 6    | 3   | 13  | 14       | 49       |
| 7    | 1   | 15  | 20       | 95       | 7    | 1   | 15  | 20       | 95       |
| 8    | 1   | 12  | 25       | 39       | 8    | 1   | 12  | 25       | 39       |
| 9    | 2   | 14  | 22       | 42       | 9    | 2   | 14  | 22       | 42       |
| 10   | 1   | 11  | 27       | 37       | 10   | 1   | 11  | 27       | 37       |
| 11   | 1   | 11  | 16       | 41       | 11   | 1   | 11  | 16       | 41       |
| 12   | 2   | 16  | 38       | 66       | 12   | 2   | 16  | 38       | 66       |
| 13   | 1   | 12  | 25       | 56       | 13   | 1   | 12  | 25       | 56       |
| 14   | 1   | 15  | 27       | 56       | 14   | 1   | 15  | 27       | 56       |
| 15   | 6   | 12  | 30       | 63       | 15   | 6   | 12  | 30       | 63       |
| 16   | 6   | 13  | 17       | 61       | 16   | 6   | 13  | 11       | 58       |
| 17   | 6   | 12  | 22       | 55       | 17   | 6   | 12  | 22       | 55       |
| 18   | 6   | 13  | 15       | 60       | 18   | 6   | 13  | 4        | 51       |
| 19   | 1   | 11  | 27       | 59       | 19   | 1   | 11  | 21       | 53       |
| 20   | 1   | 11  | 27       | 59       | 20   | 1   | 11  | 21       | 53       |
| 21   | 1   | 11  | 27       | 59       | 21   | 1   | 11  | 21       | 53       |
| 22   | 2   | 14  | 21       | 56       | 22   | 2   | 14  | 18       | 46       |
| 23   | 2   | 14  | 21       | 56       | 23   | 2   | 14  | 18       | 46       |
| 24   | 2   | 14  | 21       | 52       | 24   | 2   | 14  | 18       | 46       |
| 25   | 3   | 12  | 18       | 52       | 25   | 3   | 12  | 12       | 46       |
| 26   | 3   | 12  | 18       | 52       | 26   | 3   | 12  | 12       | 46       |
| 27   | 3   | 12  | 18       | 52       | 27   | 3   | 12  | 12       | 46       |
| 28   | 3   | 13  | 23       | 64       | 28   | 3   | 13  | 18       | 54       |
| 29   | 3   | 13  | 23       | 64       | 29   | 3   | 13  | 18       | 54       |
| 30   | 3   | 13  | 23       | 64       | 30   | 3   | 13  | 18       | 54       |
| 31   | 2   | 14  | 15       | 42       | 31   | 2   | 14  | 15       | 42       |
| 32   | 2   | 14  | 15       | 42       | 32   | 2   | 14  | 15       | 42       |
| 33   | 2   | 14  | 15       | 42       | 33   | 2   | 14  | 15       | 42       |
| 34   | 1   | 11  | 18       | 47       | 34   | 1   | 11  | 18       | 47       |
| 35   | 1   | 11  | 18       | 47       | 35   | 1   | 11  | 18       | 47       |
| 36   | 1   | 11  | 18       | 47       | 36   | 1   | 11  | 18       | 47       |
| 37   | 5   | 12  | 34       | 51       | 37   | 5   | 12  | 34       | 51       |
| 38   | 5   | 12  | 34       | 51       | 38   | 5   | 12  | 34       | 51       |
| 39   | 5   | 12  | 31       | 49       | 39   | 5   | 12  | 31       | 46       |
| 40   | 4   | 12  | 24       | 45       | 40   | 4   | 12  | 24       | 45       |
| 41   | 4   | 12  | 24       | 45       | 41   | 4   | 12  | 24       | 45       |
| 42   | 4   | 12  | 20       | 40       | 42   | 4   | 12  | 20       | 40       |
| 43   | 1   | 15  | 18       | 55       | 43   | 1   | 15  | 18       | 55       |
| 44   | 1   | 15  | 18       | 55       | 44   | 1   | 15  | 18       | 55       |
| 45   | 1   | 15  | 18       | 55       | 45   | 1   | 15  | 18       | 55       |
| 46   | 3   | 15  | 12       | 48       | 46   | 3   | 15  | 12       | 48       |
| 47   | 3   | 15  | 12       | 48       | 47   | 3   | 15  | 12       | 48       |
| 48   | 3   | 15  | 12       | 48       | 48   | 3   | 15  | 12       | 48       |
| 49   | 5   | 13  | 15       | 45       | 49   | 5   | 13  | 15       | 45       |
| 50   | 5   | 13  | 15       | 45       | 50   | 5   | 13  | 15       | 45       |
| 51   | 5   | 13  | 15       | 45       | 51   | 5   | 13  | 15       | 45       |
| 52   | 4   | 11  | 30       | 58       | 52   | 4   | 11  | 30       | 50       |
| 53   | 4   | 11  | 30       | 58       | 53   | 4   | 11  | 30       | 50       |
| 54   | 4   | 11  | 30       | 58       | 54   | 4   | 11  | 30       | 50       |
| 55   | 5   | 13  | 23       | 60       | 55   | 5   | 13  | 20       | 60       |
| 56   | 5   | 13  | 23       | 60       | 56   | 5   | 13  | 20       | 60       |
| 57   | 5   | 13  | 23       | 60       | 57   | 5   | 13  | 20       | 60       |
| 58   | 4   | 15  | 24       | 58       | 58   | 4   | 15  | 24       | 58       |
| 59   | 4   | 15  | 24       | 58       | 59   | 4   | 15  | 24       | 58       |
| 60   | 4   | 15  | 24       | 58       | 60   | 4   | 15  | 24       | 58       |
| 61   | 5   | 16  | 49       | 60       | 61   | 5   | 16  | 49       | 60       |
| 62   | 5   | 16  | 49       | 60       | 62   | 5   | 16  | 49       | 60       |
| 63   | 5   | 16  | 49       | 60       | 63   | 5   | 16  | 49       | 60       |
| 64   | 4   | 15  | 32       | 58       | 64   | 4   | 15  | 32       | 58       |
| 65   | 4   | 15  | 32       | 58       | 65   | 4   | 15  | 32       | 58       |
| 66   | 4   | 15  | 32       | 58       | 66   | 4   | 15  | 32       | 58       |
| 67   | 0   | 11  | 0        | 65       | 67   | 0   | 11  | 0        | 62       |
| 68   | 0   | 14  | 0        | 49       | 68   | 0   | 14  | 0        | 46       |
| 69   | 0   | 17  | 0        | 44       | 69   | 0   | 17  | 0        | 39       |
| 70   | 0   | 11  | 0        | 63       | 70   | 0   | 11  | 0        | 63       |
| 71   | 0   | 13  | 0        | 60       | 71   | 0   | 13  | 0        | 56       |
| 72   | 4   | 11  | 27       | 44       | 72   | 4   | 11  | 27       | 44       |
| 73   | 4   | 13  | 25       | 58       | 73   | 4   | 13  | 25       | 58       |
| 74   | 0   | 12  | 0        | 43       | 74   | 0   | 12  | 0        | 43       |
| 75   | **  | **  | ***      | ***      | 75   | **  | **  | ***      | ***      |

# Listing 2. Distance File (Cont'd)

| CI 3 |     |     |          |          | CI 4 |     |     |          |          |
|------|-----|-----|----------|----------|------|-----|-----|----------|----------|
| UNIT | ATP | ASP | ATP DIST | ASP DIST | UNIT | ATP | ASP | ATP DIST | ASP DIST |
| 1    | 3   | 12  | 12       | 45       | 1    | 3   | 12  | 2        | 35       |
| 2    | 2   | 14  | 17       | 49       | 2    | 3   | 14  | 3        | 31       |
| 3    | 3   | 12  | 18       | 47       | 3    | 3   | 12  | 7        | 41       |
| 4    | 2   | 14  | 12       | 43       | 4    | 2   | 14  | 12       | 41       |
| 5    | 3   | 13  | 10       | 45       | 5    | 3   | 13  | 10       | 45       |
| 6    | 3   | 13  | 14       | 49       | 6    | 3   | 13  | 14       | 45       |
| 7    | 1   | 15  | 20       | 95       | 7    | 1   | 15  | 20       | 95       |
| 8    | 1   | 12  | 25       | 39       | 8    | 1   | 12  | 25       | 39       |
| 9    | 2   | 14  | 22       | 42       | 9    | 2   | 14  | 22       | 42       |
| 10   | 1   | 11  | 27       | 37       | 10   | 1   | 11  | 27       | 37       |
| 11   | 1   | 11  | 16       | 41       | 11   | 1   | 11  | 16       | 41       |
| 12   | 2   | 16  | 38       | 66       | 12   | 2   | 16  | 38       | 66       |
| 13   | 1   | 12  | 25       | 56       | 13   | 1   | 12  | 25       | 56       |
| 14   | 1   | 15  | 27       | 56       | 14   | 1   | 15  | 27       | 56       |
| 15   | 6   | 12  | 30       | 63       | 15   | 6   | 12  | 19       | 53       |
| 16   | 6   | 13  | 16       | 52       | 16   | 6   | 13  | 16       | 52       |
| 17   | 6   | 12  | 22       | 55       | 17   | 6   | 12  | 11       | 45       |
| 18   | 6   | 13  | 9        | 45       | 18   | 6   | 13  | 3        | 38       |
| 19   | 1   | 11  | 15       | 45       | 19   | 1   | 11  | 10       | 40       |
| 20   | 1   | 11  | 15       | 45       | 20   | 1   | 11  | 10       | 40       |
| 21   | 1   | 11  | 15       | 45       | 21   | 1   | 11  | 10       | 40       |
| 22   | 2   | 14  | 18       | 46       | 22   | 2   | 14  | 16       | 45       |
| 23   | 2   | 14  | 18       | 46       | 23   | 2   | 14  | 16       | 45       |
| 24   | 2   | 14  | 18       | 46       | 24   | 2   | 14  | 16       | 45       |
| 25   | 3   | 12  | 8        | 40       | 25   | 3   | 12  | 4        | 46       |
| 26   | 3   | 12  | 8        | 40       | 26   | 3   | 12  | 4        | 39       |
| 27   | 3   | 12  | 8        | 40       | 27   | 3   | 12  | 4        | 39       |
| 28   | 3   | 13  | 18       | 54       | 28   | 3   | 13  | 18       | 54       |
| 29   | 3   | 13  | 18       | 54       | 29   | 3   | 13  | 6        | 34       |
| 30   | 3   | 13  | 18       | 54       | 30   | 3   | 13  | 6        | 34       |
| 31   | 2   | 14  | 8        | 35       | 31   | 2   | 14  | 8        | 31       |
| 32   | 2   | 14  | 8        | 35       | 32   | 2   | 14  | 8        | 31       |
| 33   | 2   | 14  | 8        | 35       | 33   | 2   | 14  | 8        | 31       |
| 34   | 1   | 11  | 18       | 47       | 34   | 1   | 11  | 6        | 30       |
| 35   | 1   | 11  | 18       | 47       | 35   | 1   | 11  | 6        | 30       |
| 36   | 1   | 11  | 18       | 47       | 36   | 1   | 11  | 6        | 30       |
| 37   | 5   | 12  | 4        | 40       | 37   | 5   | 12  | 4        | 40       |
| 38   | 5   | 12  | 4        | 40       | 38   | 5   | 12  | 4        | 40       |
| 39   | 5   | 12  | 3        | 33       | 39   | 5   | 12  | 4        | 40       |
| 40   | 4   | 12  | 13       | 34       | 40   | 4   | 12  | 3        | 33       |
| 41   | 4   | 12  | 13       | 34       | 41   | 4   | 12  | 6        | 40       |
| 42   | 4   | 12  | 20       | 27       | 42   | 4   | 12  | 8        | 24       |
| 43   | 1   | 15  | 18       | 55       | 43   | 1   | 15  | 18       | 55       |
| 44   | 1   | 15  | 18       | 55       | 44   | 1   | 15  | 18       | 55       |
| 45   | 1   | 15  | 18       | 55       | 45   | 1   | 15  | 18       | 55       |
| 46   | 3   | 15  | 12       | 48       | 46   | 3   | 15  | 12       | 48       |
| 47   | 3   | 15  | 12       | 48       | 47   | 3   | 15  | 12       | 48       |
| 48   | 3   | 15  | 12       | 48       | 48   | 3   | 15  | 12       | 48       |
| 49   | 5   | 13  | 9        | 39       | 49   | 5   | 13  | 9        | 39       |
| 50   | 5   | 13  | 9        | 39       | 50   | 5   | 13  | 9        | 39       |
| 51   | 5   | 13  | 9        | 39       | 51   | 5   | 13  | 9        | 39       |
| 52   | 4   | 11  | 24       | 52       | 52   | 4   | 11  | 24       | 52       |
| 53   | 4   | 11  | 24       | 52       | 53   | 4   | 11  | 24       | 52       |
| 54   | 4   | 11  | 24       | 52       | 54   | 4   | 11  | 24       | 52       |
| 55   | 5   | 13  | 17       | 45       | 55   | 5   | 13  | 14       | 45       |
| 56   | 5   | 13  | 17       | 45       | 56   | 5   | 13  | 14       | 45       |
| 57   | 5   | 13  | 17       | 45       | 57   | 5   | 13  | 14       | 45       |
| 58   | 4   | 15  | 24       | 58       | 58   | 4   | 15  | 24       | 58       |
| 59   | 4   | 15  | 24       | 58       | 59   | 4   | 15  | 24       | 58       |
| 60   | 4   | 15  | 24       | 58       | 60   | 4   | 15  | 24       | 58       |
| 61   | 5   | 15  | 49       | 60       | 61   | 5   | 15  | 49       | 60       |
| 62   | 5   | 15  | 49       | 60       | 62   | 5   | 15  | 49       | 60       |
| 63   | 5   | 15  | 49       | 60       | 63   | 5   | 15  | 49       | 60       |
| 64   | 4   | 15  | 32       | 58       | 64   | 4   | 15  | 32       | 58       |
| 65   | 4   | 15  | 32       | 58       | 65   | 4   | 15  | 32       | 58       |
| 66   | 4   | 15  | 32       | 58       | 66   | 4   | 15  | 32       | 58       |
| 67   | 0   | 11  | 0        | 59       | 67   | 0   | 11  | 0        | 59       |
| 68   | 0   | 14  | 0        | 43       | 68   | 0   | 14  | 0        | 36       |
| 69   | 0   | 12  | 0        | 31       | 69   | 0   | 12  | 0        | 31       |
| 70   | 0   | 11  | 0        | 58       | 70   | 0   | 11  | 0        | 40       |
| 71   | 0   | 13  | 0        | 50       | 71   | 0   | 13  | 0        | 38       |
| 72   | 4   | 11  | 3        | 29       | 72   | 4   | 11  | 1        | 29       |
| 73   | 4   | 13  | 12       | 38       | 73   | 4   | 13  | 12       | 38       |
| 74   | 0   | 12  | 0        | 38       | 74   | 0   | 12  | 0        | 31       |
| 75   | **  | **  | ***      | ***      | 75   | **  | **  | ***      | ***      |

# Listing 2. Distance File (Cont'd)

| CI 5 |     |     |          |          | CI 6 |     |     |          |          |
|------|-----|-----|----------|----------|------|-----|-----|----------|----------|
| UNIT | ATP | ASP | ATP DIST | ASP DIST | UNIT | ATP | ASP | ATP DIST | ASP DIST |
| 1    | 3   | 12  | 8        | 35       | 1    | 3   | 12  | 8        | 35       |
| 2    | 2   | 14  | 11       | 31       | 2    | 2   | 14  | 11       | 31       |
| 3    | 3   | 12  | 7        | 43       | 3    | 3   | 12  | 7        | 43       |
| 4    | 2   | 14  | 22       | 43       | 4    | 2   | 14  | 22       | 43       |
| 5    | 3   | 13  | 19       | 45       | 5    | 3   | 13  | 19       | 45       |
| 6    | 3   | 13  | 19       | 49       | 6    | 3   | 13  | 16       | 46       |
| 7    | 1   | 15  | 20       | 95       | 7    | 1   | 15  | 20       | 95       |
| 8    | 1   | 12  | 25       | 39       | 8    | 1   | 12  | 25       | 39       |
| 9    | 2   | 14  | 22       | 42       | 9    | 2   | 14  | 22       | 42       |
| 10   | 1   | 11  | 27       | 37       | 10   | 1   | 11  | 27       | 37       |
| 11   | 1   | 11  | 16       | 41       | 11   | 1   | 11  | 16       | 41       |
| 12   | 2   | 16  | 38       | 66       | 12   | 2   | 16  | 38       | 66       |
| 13   | 1   | 12  | 25       | 56       | 13   | 1   | 12  | 25       | 56       |
| 14   | 1   | 15  | 27       | 56       | 14   | 1   | 15  | 27       | 56       |
| 15   | 1   | 11  | 42       | 52       | 15   | 1   | 11  | 42       | 52       |
| 16   | 2   | 14  | 14       | 44       | 16   | 2   | 14  | 14       | 44       |
| 17   | 1   | 11  | 41       | 51       | 17   | 1   | 11  | 34       | 41       |
| 18   | 2   | 14  | 7        | 37       | 18   | 2   | 14  | 7        | 37       |
| 19   | 1   | 11  | 22       | 32       | 19   | 1   | 11  | 15       | 25       |
| 20   | 1   | 11  | 22       | 32       | 20   | 1   | 11  | 15       | 25       |
| 21   | 1   | 11  | 22       | 32       | 21   | 1   | 11  | 15       | 25       |
| 22   | 2   | 14  | 12       | 42       | 22   | 2   | 14  | 12       | 42       |
| 23   | 2   | 14  | 12       | 42       | 23   | 2   | 14  | 12       | 42       |
| 24   | 2   | 14  | 12       | 42       | 24   | 2   | 14  | 12       | 42       |
| 25   | 3   | 12  | 10       | 32       | 25   | 3   | 12  | 10       | 32       |
| 26   | 3   | 12  | 10       | 32       | 26   | 3   | 12  | 10       | 32       |
| 27   | 3   | 12  | 10       | 32       | 27   | 3   | 12  | 10       | 32       |
| 28   | 3   | 13  | 28       | 53       | 28   | 3   | 13  | 28       | 53       |
| 29   | 3   | 13  | 28       | 53       | 29   | 3   | 13  | 28       | 53       |
| 30   | 3   | 13  | 28       | 53       | 30   | 3   | 13  | 28       | 53       |
| 31   | 2   | 14  | 11       | 32       | 31   | 2   | 14  | 11       | 32       |
| 32   | 2   | 14  | 11       | 32       | 32   | 2   | 14  | 11       | 32       |
| 33   | 2   | 14  | 11       | 32       | 33   | 2   | 14  | 11       | 32       |
| 34   | 1   | 11  | 24       | 34       | 34   | 1   | 11  | 14       | 24       |
| 35   | 1   | 11  | 24       | 34       | 35   | 1   | 11  | 14       | 24       |
| 36   | 1   | 11  | 24       | 34       | 36   | 1   | 11  | 14       | 24       |
| 37   | 5   | 12  | 8        | 32       | 37   | 5   | 12  | 8        | 32       |
| 38   | 5   | 12  | 8        | 32       | 38   | 5   | 12  | 8        | 32       |
| 39   | 5   | 12  | 3        | 27       | 39   | 5   | 12  | 3        | 27       |
| 40   | 4   | 11  | 21       | 26       | 40   | 4   | 11  | 19       | 22       |
| 41   | 4   | 11  | 21       | 26       | 41   | 4   | 11  | 19       | 22       |
| 42   | 4   | 11  | 15       | 31       | 42   | 4   | 11  | 9        | 23       |
| 43   | 1   | 15  | 18       | 55       | 43   | 1   | 15  | 18       | 55       |
| 44   | 1   | 15  | 18       | 55       | 44   | 1   | 15  | 18       | 55       |
| 45   | 1   | 15  | 18       | 55       | 45   | 1   | 15  | 18       | 55       |
| 46   | 3   | 15  | 12       | 48       | 46   | 3   | 15  | 12       | 48       |
| 47   | 3   | 15  | 12       | 48       | 47   | 3   | 15  | 12       | 48       |
| 48   | 3   | 15  | 12       | 48       | 48   | 3   | 15  | 12       | 48       |
| 49   | 5   | 13  | 21       | 35       | 49   | 5   | 13  | 21       | 35       |
| 50   | 5   | 13  | 21       | 35       | 50   | 5   | 13  | 21       | 35       |
| 51   | 5   | 13  | 21       | 35       | 51   | 5   | 13  | 21       | 35       |
| 52   | 4   | 11  | 24       | 52       | 52   | 4   | 11  | 18       | 46       |
| 53   | 4   | 11  | 24       | 52       | 53   | 4   | 11  | 18       | 46       |
| 54   | 4   | 11  | 24       | 52       | 54   | 4   | 11  | 18       | 46       |
| 55   | 5   | 13  | 11       | 30       | 55   | 5   | 13  | 12       | 30       |
| 56   | 5   | 13  | 11       | 30       | 56   | 5   | 13  | 12       | 30       |
| 57   | 5   | 13  | 11       | 30       | 57   | 5   | 13  | 12       | 30       |
| 58   | 4   | 15  | 24       | 58       | 58   | 4   | 15  | 24       | 58       |
| 59   | 4   | 15  | 24       | 58       | 59   | 4   | 15  | 24       | 58       |
| 60   | 4   | 15  | 24       | 58       | 60   | 4   | 15  | 24       | 58       |
| 61   | 5   | 15  | 49       | 60       | 61   | 5   | 15  | 49       | 60       |
| 62   | 5   | 15  | 49       | 60       | 62   | 5   | 15  | 49       | 60       |
| 63   | 5   | 15  | 49       | 60       | 63   | 5   | 15  | 49       | 60       |
| 64   | 4   | 15  | 32       | 58       | 64   | 4   | 15  | 32       | 58       |
| 65   | 4   | 15  | 32       | 58       | 65   | 4   | 15  | 32       | 58       |
| 66   | 4   | 15  | 32       | 58       | 66   | 4   | 15  | 32       | 58       |
| 67   | 0   | 11  | 0        | 45       | 67   | 0   | 11  | 0        | 58       |
| 68   | 0   | 14  | 0        | 38       | 68   | 0   | 14  | 0        | 39       |
| 69   | 0   | 12  | 0        | 21       | 69   | 0   | 12  | 0        | 38       |
| 70   | 0   | 11  | 0        | 40       | 70   | 0   | 11  | 0        | 21       |
| 71   | 0   | 14  | 0        | 42       | 71   | 0   | 14  | 0        | 42       |
| 72   | 4   | 11  | 12       | 14       | 72   | 0   | 11  | 0        | 42       |
| 73   | 4   | 13  | 0        | 20       | 73   | 4   | 13  | 0        | 14       |
| 74   | 0   | 12  | 0        | 38       | 74   | 0   | 12  | 0        | 20       |
| 75   | **  | **  | ***      | ***      | 75   | **  | **  | ***      | ***      |

# Listing 2. Distance File (Cont'd)

CI 7

CI 8

| UNIT | ATP | ASP | ATP DIST | ASP DIST | UNIT | ATP | ASP | ATP DIST | ASP DIST |
|------|-----|-----|----------|----------|------|-----|-----|----------|----------|
| 1    | 3   | 12  | 8        | 35       | 1    | 3   | 12  | 8        | 35       |
| 2    | 2   | 14  | 11       | 31       | 2    | 2   | 14  | 11       | 31       |
| 3    | 3   | 12  | 31       | 46       | 3    | 3   | 12  | 31       | 46       |
| 4    | 2   | 14  | 22       | 43       | 4    | 2   | 14  | 22       | 43       |
| 5    | 3   | 14  | 31       | 48       | 5    | 3   | 14  | 31       | 48       |
| 6    | 3   | 13  | 13       | 42       | 6    | 3   | 13  | 6        | 42       |
| 7    | 1   | 15  | 20       | 95       | 7    | 1   | 15  | 20       | 95       |
| 8    | 1   | 12  | 25       | 39       | 8    | 1   | 12  | 25       | 39       |
| 9    | 2   | 14  | 22       | 42       | 9    | 2   | 14  | 22       | 42       |
| 10   | 1   | 11  | 26       | 36       | 10   | 1   | 11  | 26       | 36       |
| 11   | 1   | 11  | 20       | 30       | 11   | 1   | 11  | 16       | 26       |
| 12   | 2   | 16  | 38       | 66       | 12   | 2   | 16  | 38       | 66       |
| 13   | 1   | 12  | 25       | 56       | 13   | 1   | 12  | 25       | 56       |
| 14   | 1   | 15  | 27       | 56       | 14   | 1   | 15  | 27       | 56       |
| 15   | 1   | 11  | 38       | 48       | 15   | 1   | 11  | 32       | 42       |
| 16   | 2   | 14  | 14       | 44       | 16   | 2   | 14  | 14       | 44       |
| 17   | 1   | 11  | 30       | 40       | 17   | 1   | 11  | 24       | 34       |
| 18   | 2   | 14  | 7        | 37       | 18   | 2   | 14  | 7        | 37       |
| 19   | 1   | 11  | 10       | 20       | 19   | 1   | 11  | 16       | 26       |
| 20   | 1   | 11  | 10       | 20       | 20   | 1   | 11  | 10       | 20       |
| 21   | 1   | 11  | 10       | 20       | 21   | 1   | 11  | 10       | 20       |
| 22   | 2   | 14  | 12       | 42       | 22   | 2   | 14  | 12       | 42       |
| 23   | 2   | 14  | 12       | 42       | 23   | 2   | 14  | 12       | 42       |
| 24   | 2   | 14  | 12       | 42       | 24   | 2   | 14  | 12       | 42       |
| 25   | 3   | 12  | 10       | 32       | 25   | 3   | 12  | 2        | 32       |
| 26   | 3   | 12  | 10       | 32       | 26   | 3   | 12  | 2        | 32       |
| 27   | 3   | 12  | 10       | 32       | 27   | 3   | 12  | 2        | 32       |
| 28   | 3   | 13  | 28       | 53       | 28   | 3   | 13  | 28       | 53       |
| 29   | 3   | 13  | 28       | 53       | 29   | 3   | 13  | 28       | 53       |
| 30   | 3   | 13  | 28       | 53       | 30   | 3   | 13  | 28       | 53       |
| 31   | 2   | 14  | 11       | 32       | 31   | 2   | 14  | 11       | 32       |
| 32   | 2   | 14  | 11       | 32       | 32   | 2   | 14  | 11       | 32       |
| 33   | 2   | 14  | 11       | 32       | 33   | 2   | 14  | 11       | 32       |
| 34   | 1   | 11  | 6        | 16       | 34   | 1   | 11  | 6        | 16       |
| 35   | 1   | 11  | 6        | 16       | 35   | 1   | 11  | 6        | 16       |
| 36   | 1   | 11  | 6        | 16       | 36   | 1   | 11  | 6        | 16       |
| 37   | 5   | 12  | 8        | 37       | 37   | 5   | 12  | 8        | 37       |
| 38   | 5   | 12  | 8        | 37       | 38   | 5   | 12  | 8        | 37       |
| 39   | 5   | 12  | 8        | 37       | 39   | 5   | 12  | 8        | 37       |
| 40   | 4   | 11  | 12       | 40       | 40   | 4   | 11  | 8        | 37       |
| 41   | 4   | 11  | 12       | 40       | 41   | 4   | 11  | 8        | 37       |
| 42   | 4   | 11  | 12       | 40       | 42   | 4   | 11  | 8        | 37       |
| 43   | 1   | 15  | 18       | 43       | 43   | 1   | 15  | 18       | 55       |
| 44   | 1   | 15  | 18       | 43       | 44   | 1   | 15  | 18       | 55       |
| 45   | 1   | 15  | 18       | 43       | 45   | 1   | 15  | 18       | 55       |
| 46   | 3   | 15  | 12       | 48       | 46   | 3   | 15  | 12       | 48       |
| 47   | 3   | 15  | 12       | 48       | 47   | 3   | 15  | 12       | 48       |
| 48   | 3   | 15  | 12       | 48       | 48   | 3   | 15  | 12       | 48       |
| 49   | 5   | 13  | 16       | 30       | 49   | 5   | 13  | 16       | 30       |
| 50   | 5   | 13  | 16       | 30       | 50   | 5   | 13  | 16       | 30       |
| 51   | 5   | 13  | 16       | 30       | 51   | 5   | 13  | 16       | 30       |
| 52   | 4   | 11  | 18       | 46       | 52   | 4   | 11  | 14       | 42       |
| 53   | 4   | 11  | 18       | 46       | 53   | 4   | 11  | 14       | 42       |
| 54   | 4   | 11  | 18       | 46       | 54   | 4   | 11  | 14       | 42       |
| 55   | 5   | 13  | 10       | 25       | 55   | 5   | 13  | 7        | 25       |
| 56   | 5   | 13  | 10       | 25       | 56   | 5   | 13  | 7        | 25       |
| 57   | 5   | 13  | 10       | 25       | 57   | 5   | 13  | 7        | 25       |
| 58   | 4   | 15  | 24       | 58       | 58   | 4   | 15  | 24       | 58       |
| 59   | 4   | 15  | 24       | 58       | 59   | 4   | 15  | 24       | 58       |
| 60   | 4   | 15  | 24       | 58       | 60   | 4   | 15  | 24       | 58       |
| 61   | 5   | 15  | 49       | 60       | 61   | 5   | 15  | 49       | 60       |
| 62   | 5   | 15  | 49       | 60       | 62   | 5   | 15  | 49       | 60       |
| 63   | 5   | 15  | 49       | 60       | 63   | 5   | 15  | 49       | 60       |
| 64   | 4   | 15  | 32       | 58       | 64   | 4   | 15  | 32       | 58       |
| 65   | 4   | 15  | 32       | 58       | 65   | 4   | 15  | 32       | 58       |
| 66   | 4   | 15  | 32       | 58       | 66   | 4   | 15  | 32       | 58       |
| 67   | 0   | 11  | 0        | 33       | 67   | 0   | 11  | 0        | 33       |
| 68   | 0   | 14  | 0        | 38       | 68   | 0   | 14  | 0        | 38       |
| 69   | 0   | 12  | 0        | 21       | 69   | 0   | 12  | 0        | 21       |
| 70   | 0   | 11  | 0        | 36       | 70   | 0   | 11  | 0        | 36       |
| 71   | 0   | 14  | 0        | 42       | 71   | 0   | 14  | 0        | 42       |
| 72   | 0   | 11  | 0        | 14       | 72   | 0   | 11  | 0        | 14       |
| 73   | 4   | 13  | 16       | 17       | 73   | 4   | 13  | 16       | 17       |
| 74   | 0   | 12  | 0        | 38       | 74   | 0   | 12  | 0        | 38       |
| 75   | **  | **  | ***      | ***      | 75   | **  | **  | ***      | ***      |

# Listing 2. Distance File (Cont'd)

| CI 9 |     |     |          |          | CI 10 |     |     |          |          |
|------|-----|-----|----------|----------|-------|-----|-----|----------|----------|
| UNIT | ATP | ASP | ATP DIST | ASP DIST | UNIT  | ATP | ASP | ATP DIST | ASP DIST |
| 1    | 3   | 12  | 8        | 35       | 1     | 3   | 12  | 8        | 35       |
| 2    | 2   | 14  | 11       | 31       | 2     | 2   | 14  | 11       | 31       |
| 3    | 3   | 12  | 24       | 39       | 3     | 3   | 15  | 37       | 46       |
| 4    | 2   | 14  | 29       | 50       | 4     | 2   | 16  | 43       | 70       |
| 5    | 3   | 14  | 31       | 48       | 5     | 3   | 16  | 44       | 71       |
| 6    | 3   | 13  | 22       | 20       | 6     | 3   | 16  | 11       | 42       |
| 7    | 1   | 15  | 20       | 95       | 7     | 1   | 15  | 20       | 95       |
| 8    | 0   | 12  | 0        | 39       | 8     | 0   | 15  | 0        | 60       |
| 9    | 2   | 14  | 31       | 48       | 9     | 2   | 16  | 43       | 69       |
| 10   | 1   | 11  | 26       | 36       | 10    | 1   | 11  | 26       | 36       |
| 11   | 1   | 11  | 14       | 31       | 11    | 1   | 15  | 35       | 65       |
| 12   | 2   | 16  | 38       | 66       | 12    | 2   | 16  | 38       | 66       |
| 13   | 0   | 12  | 0        | 56       | 13    | 0   | 15  | 0        | 56       |
| 14   | 1   | 15  | 27       | 56       | 14    | 1   | 15  | 27       | 56       |
| 15   | 1   | 11  | 31       | 41       | 15    | 1   | 15  | 34       | 64       |
| 16   | 2   | 14  | 14       | 44       | 16    | 2   | 14  | 14       | 44       |
| 17   | 1   | 11  | 24       | 34       | 17    | 1   | 15  | 26       | 56       |
| 18   | 2   | 14  | 7        | 37       | 18    | 2   | 14  | 7        | 37       |
| 19   | 1   | 11  | 9        | 25       | 19    | 1   | 15  | 20       | 50       |
| 20   | 1   | 11  | 9        | 25       | 20    | 1   | 15  | 20       | 50       |
| 21   | 1   | 11  | 9        | 25       | 21    | 1   | 15  | 20       | 50       |
| 22   | 2   | 14  | 21       | 48       | 22    | 2   | 15  | 36       | 63       |
| 23   | 2   | 14  | 21       | 48       | 23    | 2   | 15  | 36       | 63       |
| 24   | 2   | 14  | 21       | 48       | 24    | 2   | 15  | 36       | 63       |
| 25   | 3   | 12  | 11       | 46       | 25    | 3   | 15  | 22       | 57       |
| 26   | 3   | 12  | 11       | 46       | 26    | 3   | 15  | 22       | 57       |
| 27   | 3   | 12  | 11       | 46       | 27    | 3   | 15  | 22       | 57       |
| 28   | 3   | 13  | 16       | 43       | 28    | 3   | 16  | 31       | 58       |
| 29   | 3   | 13  | 16       | 43       | 29    | 3   | 16  | 31       | 58       |
| 30   | 3   | 13  | 16       | 43       | 30    | 3   | 16  | 31       | 58       |
| 31   | 2   | 14  | 24       | 51       | 31    | 2   | 16  | 39       | 66       |
| 32   | 2   | 14  | 24       | 51       | 32    | 2   | 16  | 39       | 66       |
| 33   | 2   | 14  | 24       | 51       | 33    | 2   | 16  | 39       | 66       |
| 34   | 1   | 11  | 3        | 19       | 34    | 1   | 15  | 23       | 53       |
| 35   | 1   | 11  | 3        | 19       | 35    | 1   | 15  | 23       | 53       |
| 36   | 1   | 11  | 3        | 19       | 36    | 1   | 15  | 23       | 53       |
| 37   | 5   | 12  | 6        | 20       | 37    | 5   | 15  | 32       | 62       |
| 38   | 5   | 12  | 6        | 20       | 38    | 5   | 15  | 32       | 62       |
| 39   | 5   | 12  | 6        | 20       | 39    | 5   | 15  | 39       | 69       |
| 40   | 4   | 11  | 5        | 15       | 40    | 4   | 15  | 38       | 52       |
| 41   | 4   | 11  | 5        | 15       | 41    | 4   | 15  | 38       | 52       |
| 42   | 4   | 11  | 6        | 13       | 42    | 4   | 15  | 35       | 50       |
| 43   | 1   | 15  | 18       | 55       | 43    | 1   | 15  | 18       | 55       |
| 44   | 1   | 15  | 18       | 55       | 44    | 1   | 15  | 18       | 55       |
| 45   | 1   | 15  | 18       | 55       | 45    | 1   | 15  | 18       | 55       |
| 46   | 3   | 15  | 12       | 48       | 46    | 3   | 15  | 12       | 48       |
| 47   | 3   | 15  | 12       | 48       | 47    | 3   | 15  | 12       | 48       |
| 48   | 3   | 15  | 12       | 48       | 48    | 3   | 15  | 12       | 48       |
| 49   | 5   | 13  | 14       | 29       | 49    | 5   | 16  | 31       | 54       |
| 50   | 5   | 13  | 14       | 29       | 50    | 5   | 16  | 31       | 54       |
| 51   | 5   | 13  | 14       | 29       | 51    | 5   | 16  | 31       | 54       |
| 52   | 4   | 11  | 14       | 31       | 52    | 4   | 15  | 31       | 51       |
| 53   | 4   | 11  | 14       | 31       | 53    | 4   | 15  | 31       | 51       |
| 54   | 4   | 11  | 14       | 31       | 54    | 4   | 15  | 31       | 51       |
| 55   | 5   | 13  | 7        | 23       | 55    | 5   | 16  | 31       | 50       |
| 56   | 5   | 13  | 7        | 23       | 56    | 5   | 16  | 41       | 50       |
| 57   | 5   | 12  | 7        | 23       | 57    | 5   | 16  | 41       | 50       |
| 58   | 4   | 15  | 24       | 58       | 58    | 4   | 15  | 24       | 56       |
| 59   | 4   | 15  | 24       | 58       | 59    | 4   | 15  | 24       | 56       |
| 60   | 4   | 15  | 24       | 58       | 60    | 4   | 15  | 24       | 56       |
| 61   | 5   | 15  | 49       | 60       | 61    | 5   | 16  | 49       | 60       |
| 62   | 5   | 15  | 49       | 60       | 62    | 5   | 16  | 49       | 60       |
| 63   | 5   | 15  | 49       | 60       | 63    | 5   | 16  | 49       | 60       |
| 64   | 4   | 15  | 32       | 58       | 64    | 4   | 15  | 32       | 58       |
| 65   | 4   | 15  | 32       | 58       | 65    | 4   | 15  | 32       | 58       |
| 66   | 4   | 15  | 32       | 58       | 66    | 4   | 15  | 32       | 58       |
| 67   | 0   | 11  | 0        | 24       | 67    | 0   | 15  | 0        | 51       |
| 68   | 0   | 14  | 0        | 48       | 68    | 0   | 16  | 0        | 69       |
| 69   | 0   | 11  | 0        | 44       | 69    | 0   | 15  | 0        | 70       |
| 70   | 0   | 11  | 0        | 39       | 70    | 0   | 15  | 0        | 61       |
| 71   | 0   | 14  | 0        | 42       | 71    | 0   | 14  | 0        | 42       |
| 72   | 0   | 11  | 0        | 3        | 72    | 5   | 15  | 25       | 15       |
| 73   | 4   | 13  | 16       | 23       | 73    | 5   | 15  | 25       | 44       |
| 74   | 0   | 12  | 0        | 30       | 74    | 0   | 12  | 0        | 28       |
| 75   | **  | **  | ***      | ***      | 75    | **  | **  | ***      | ***      |

# Listing 2. Distance File (Cont'd)

| CI 11 |     |     |          |          | CI 12 |     |     |          |          |
|-------|-----|-----|----------|----------|-------|-----|-----|----------|----------|
| UNIT  | ATP | ASP | ATP DIST | ASP DIST | UNIT  | ATP | ASP | ATP DIST | ASP DIST |
| 1     | 3   | 12  | 8        | 35       | 1     | 3   | 15  | 8        | 20       |
| 2     | 2   | 14  | 11       | 31       | 2     | 2   | 15  | 33       | 26       |
| 3     | 3   | 15  | 37       | 46       | 3     | 3   | 15  | 27       | 63       |
| 4     | 2   | 46  | 43       | 70       | 4     | 2   | 16  | 43       | 76       |
| 5     | 3   | 16  | 44       | 71       | 5     | 2   | 16  | 44       | 71       |
| 6     | 3   | 16  | 11       | 42       | 6     | 3   | 16  | 11       | 6        |
| 7     | 1   | 15  | 20       | 95       | 7     | 1   | 15  | 20       | 97       |
| 8     | 0   | 15  | 0        | 60       | 8     | 1   | 15  | 20       | 97       |
| 9     | 2   | 16  | 43       | 60       | 9     | 2   | 16  | 43       | 76       |
| 10    | 1   | 11  | 26       | 36       | 10    | 1   | 15  | 11       | 21       |
| 11    | 1   | 15  | 31       | 63       | 11    | 1   | 15  | 33       | 63       |
| 12    | 2   | 16  | 38       | 66       | 12    | 2   | 15  | 32       | 67       |
| 13    | 0   | 15  | 0        | 56       | 13    | 1   | 15  | 26       | 13       |
| 14    | 1   | 15  | 27       | 56       | 14    | 1   | 15  | 27       | 26       |
| 15    | 1   | 15  | 37       | 61       | 15    | 1   | 15  | 34       | 24       |
| 16    | 2   | 14  | 14       | 44       | 16    | 2   | 12  | 14       | 41       |
| 17    | 1   | 15  | 26       | 56       | 17    | 1   | 15  | 16       | 22       |
| 18    | 2   | 14  | 7        | 37       | 18    | 2   | 12  | 7        | 27       |
| 19    | 1   | 15  | 20       | 50       | 19    | 1   | 15  | 20       | 50       |
| 20    | 1   | 15  | 20       | 50       | 20    | 1   | 15  | 20       | 50       |
| 21    | 1   | 15  | 20       | 50       | 21    | 1   | 15  | 20       | 50       |
| 22    | 2   | 15  | 36       | 63       | 22    | 2   | 15  | 36       | 63       |
| 23    | 2   | 15  | 36       | 63       | 23    | 2   | 15  | 36       | 63       |
| 24    | 2   | 15  | 36       | 63       | 24    | 2   | 15  | 36       | 63       |
| 25    | 3   | 15  | 22       | 57       | 25    | 3   | 15  | 22       | 57       |
| 26    | 3   | 15  | 22       | 57       | 26    | 3   | 15  | 22       | 57       |
| 27    | 3   | 15  | 22       | 57       | 27    | 3   | 15  | 22       | 57       |
| 28    | 3   | 16  | 31       | 58       | 28    | 3   | 16  | 31       | 58       |
| 29    | 3   | 16  | 31       | 58       | 29    | 3   | 16  | 31       | 58       |
| 30    | 3   | 16  | 31       | 58       | 30    | 3   | 16  | 31       | 58       |
| 31    | 2   | 16  | 39       | 66       | 31    | 2   | 16  | 39       | 66       |
| 32    | 2   | 16  | 39       | 66       | 32    | 2   | 16  | 39       | 66       |
| 33    | 2   | 16  | 39       | 66       | 33    | 2   | 16  | 39       | 66       |
| 34    | 1   | 15  | 23       | 53       | 34    | 1   | 15  | 23       | 53       |
| 35    | 1   | 15  | 23       | 53       | 35    | 1   | 15  | 23       | 53       |
| 36    | 1   | 15  | 23       | 53       | 36    | 1   | 15  | 23       | 53       |
| 37    | 5   | 15  | 32       | 52       | 37    | 5   | 16  | 14       | 43       |
| 38    | 5   | 15  | 32       | 52       | 38    | 5   | 16  | 14       | 43       |
| 39    | 5   | 15  | 39       | 50       | 39    | 5   | 16  | 11       | 40       |
| 40    | 4   | 15  | 38       | 52       | 40    | 4   | 15  | 15       | 39       |
| 41    | 4   | 15  | 38       | 52       | 41    | 4   | 15  | 15       | 34       |
| 42    | 4   | 15  | 35       | 50       | 42    | 4   | 15  | 11       | 39       |
| 43    | 1   | 15  | 18       | 55       | 43    | 0   | 0   | 0        | 0        |
| 44    | 1   | 15  | 18       | 55       | 44    | 0   | 0   | 0        | 0        |
| 45    | 1   | 15  | 18       | 55       | 45    | 0   | 0   | 0        | 0        |
| 46    | 3   | 15  | 12       | 48       | 46    | 0   | 0   | 0        | 0        |
| 47    | 3   | 15  | 12       | 48       | 47    | 0   | 0   | 0        | 0        |
| 48    | 3   | 15  | 12       | 48       | 48    | 0   | 0   | 0        | 0        |
| 49    | 5   | 16  | 31       | 54       | 49    | 5   | 16  | 40       | 57       |
| 50    | 5   | 16  | 31       | 54       | 50    | 5   | 16  | 40       | 57       |
| 51    | 5   | 16  | 31       | 54       | 51    | 5   | 16  | 40       | 57       |
| 52    | 4   | 15  | 31       | 51       | 52    | 4   | 15  | 23       | 66       |
| 53    | 4   | 15  | 31       | 51       | 53    | 4   | 15  | 33       | 65       |
| 54    | 4   | 15  | 31       | 51       | 54    | 4   | 15  | 33       | 65       |
| 55    | 5   | 16  | 41       | 50       | 55    | 5   | 16  | 41       | 58       |
| 56    | 5   | 16  | 41       | 50       | 56    | 5   | 16  | 41       | 58       |
| 57    | 5   | 16  | 41       | 50       | 57    | 5   | 16  | 41       | 58       |
| 58    | 4   | 15  | 24       | 56       | 58    | 4   | 15  | 25       | 56       |
| 59    | 4   | 15  | 24       | 56       | 59    | 4   | 15  | 25       | 56       |
| 60    | 4   | 15  | 24       | 56       | 60    | 4   | 15  | 25       | 56       |
| 61    | 5   | 16  | 49       | 60       | 61    | 5   | 16  | 49       | 56       |
| 62    | 5   | 16  | 49       | 60       | 62    | 5   | 16  | 49       | 56       |
| 63    | 5   | 16  | 49       | 60       | 63    | 5   | 16  | 49       | 56       |
| 64    | 4   | 15  | 32       | 58       | 64    | 4   | 15  | 28       | 69       |
| 65    | 4   | 15  | 32       | 58       | 65    | 4   | 15  | 28       | 69       |
| 66    | 4   | 15  | 32       | 58       | 66    | 4   | 15  | 28       | 69       |
| 67    | 0   | 15  | 0        | 51       | 67    | 0   | 15  | 0        | 51       |
| 68    | 0   | 16  | 0        | 69       | 68    | 0   | 16  | 0        | 57       |
| 69    | 0   | 15  | 0        | 70       | 69    | 0   | 15  | 0        | 70       |
| 70    | 0   | 15  | 0        | 63       | 70    | 0   | 15  | 0        | 62       |
| 71    | 0   | 14  | 0        | 42       | 71    | 0   | 16  | 0        | 32       |
| 72    | 5   | 15  | 25       | 15       | 72    | 4   | 15  | 26       | 51       |
| 73    | 5   | 15  | 25       | 44       | 73    | 4   | 16  | 28       | 48       |
| 74    | 0   | 12  | 0        | 38       | 74    | 0   | 15  | 0        | 34       |
| 75    | **  | **  | ***      | ***      | 75    | 0   | 0   | 0        | 0        |

# Listing 2. Distance File (Cont'd)

| CI 13 |     |     |          |          | CI 14 |     |     |          |          |
|-------|-----|-----|----------|----------|-------|-----|-----|----------|----------|
| UNIT  | ATP | ASP | ATP DIST | ASP DIST | UNIT  | ATP | ASP | ATP DIST | ASP DIST |
| 1     | 3   | 15  | 3        | 55       | 1     | 3   | 15  | 3        | 55       |
| 2     | 2   | 15  | 33       | 68       | 2     | 2   | 15  | 33       | 68       |
| 3     | 3   | 15  | 19       | 45       | 3     | 3   | 15  | 19       | 45       |
| 4     | 2   | 16  | 43       | 70       | 4     | 2   | 16  | 43       | 70       |
| 5     | 2   | 16  | 44       | 71       | 5     | 2   | 16  | 44       | 71       |
| 6     | 3   | 16  | 11       | 42       | 6     | 3   | 16  | 11       | 42       |
| 7     | 1   | 15  | 15       | 90       | 7     | 1   | 15  | 15       | 90       |
| 8     | 1   | 15  | 21       | 91       | 8     | 1   | 15  | 21       | 91       |
| 9     | 2   | 16  | 43       | 70       | 9     | 2   | 16  | 43       | 70       |
| 10    | 1   | 15  | 21       | 31       | 10    | 1   | 15  | 21       | 31       |
| 11    | 1   | 15  | 33       | 63       | 11    | 1   | 15  | 33       | 63       |
| 12    | 2   | 15  | 36       | 66       | 12    | 2   | 15  | 36       | 66       |
| 13    | 1   | 15  | 25       | 56       | 13    | 1   | 15  | 25       | 56       |
| 14    | 1   | 15  | 27       | 56       | 14    | 1   | 15  | 27       | 56       |
| 15    | 1   | 15  | 34       | 64       | 15    | 1   | 15  | 34       | 64       |
| 16    | 2   | 12  | 14       | 44       | 16    | 2   | 12  | 14       | 44       |
| 17    | 1   | 15  | 26       | 56       | 17    | 1   | 15  | 26       | 56       |
| 18    | 2   | 12  | 7        | 37       | 18    | 2   | 12  | 7        | 37       |
| 19    | 1   | 15  | 20       | 50       | 19    | 1   | 15  | 20       | 50       |
| 20    | 1   | 15  | 20       | 50       | 20    | 1   | 15  | 20       | 50       |
| 21    | 1   | 15  | 20       | 50       | 21    | 1   | 15  | 20       | 50       |
| 22    | 2   | 15  | 36       | 63       | 22    | 2   | 15  | 36       | 63       |
| 23    | 2   | 15  | 36       | 63       | 23    | 2   | 15  | 36       | 63       |
| 24    | 2   | 15  | 36       | 63       | 24    | 2   | 15  | 36       | 63       |
| 25    | 3   | 15  | 19       | 54       | 25    | 3   | 15  | 19       | 54       |
| 26    | 3   | 15  | 19       | 54       | 26    | 3   | 15  | 19       | 54       |
| 27    | 3   | 15  | 19       | 54       | 27    | 3   | 15  | 19       | 54       |
| 28    | 3   | 16  | 24       | 51       | 28    | 3   | 16  | 24       | 51       |
| 29    | 3   | 16  | 24       | 51       | 29    | 3   | 16  | 24       | 51       |
| 30    | 3   | 16  | 24       | 51       | 30    | 3   | 16  | 24       | 51       |
| 31    | 2   | 16  | 36       | 63       | 31    | 2   | 16  | 36       | 63       |
| 32    | 2   | 16  | 36       | 63       | 32    | 2   | 16  | 36       | 63       |
| 33    | 2   | 16  | 36       | 63       | 33    | 2   | 16  | 36       | 63       |
| 34    | 1   | 15  | 19       | 33       | 34    | 1   | 15  | 19       | 33       |
| 35    | 1   | 15  | 19       | 33       | 35    | 1   | 15  | 19       | 33       |
| 36    | 1   | 15  | 19       | 33       | 36    | 1   | 15  | 19       | 33       |
| 37    | 5   | 16  | 10       | 39       | 37    | 5   | 16  | 10       | 39       |
| 38    | 5   | 16  | 10       | 39       | 38    | 5   | 16  | 10       | 39       |
| 39    | 5   | 16  | 11       | 40       | 39    | 5   | 16  | 11       | 40       |
| 40    | 4   | 15  | 15       | 34       | 40    | 4   | 15  | 15       | 34       |
| 41    | 4   | 15  | 15       | 34       | 41    | 4   | 15  | 15       | 34       |
| 42    | 4   | 15  | 11       | 30       | 42    | 4   | 15  | 11       | 30       |
| 43    | 0   | 0   | 0        | 0        | 43    | 0   | 0   | 0        | 0        |
| 44    | 0   | 0   | 0        | 0        | 44    | 0   | 0   | 0        | 0        |
| 45    | 0   | 0   | 0        | 0        | 45    | 0   | 0   | 0        | 0        |
| 46    | 0   | 0   | 0        | 0        | 46    | 0   | 0   | 0        | 0        |
| 47    | 0   | 0   | 0        | 0        | 47    | 0   | 0   | 0        | 0        |
| 48    | 0   | 0   | 0        | 0        | 48    | 0   | 0   | 0        | 0        |
| 49    | 5   | 16  | 40       | 57       | 49    | 5   | 16  | 40       | 57       |
| 50    | 5   | 16  | 40       | 57       | 50    | 5   | 16  | 40       | 57       |
| 51    | 5   | 16  | 40       | 57       | 51    | 5   | 16  | 40       | 57       |
| 52    | 4   | 15  | 33       | 66       | 52    | 4   | 15  | 33       | 66       |
| 53    | 4   | 15  | 33       | 66       | 53    | 4   | 15  | 33       | 66       |
| 54    | 4   | 15  | 33       | 66       | 54    | 4   | 15  | 33       | 66       |
| 55    | 5   | 16  | 41       | 58       | 55    | 5   | 16  | 41       | 58       |
| 56    | 5   | 16  | 41       | 58       | 56    | 5   | 16  | 41       | 58       |
| 57    | 5   | 16  | 41       | 58       | 57    | 5   | 16  | 41       | 58       |
| 58    | 4   | 15  | 25       | 56       | 58    | 4   | 15  | 25       | 56       |
| 59    | 4   | 15  | 25       | 56       | 59    | 4   | 15  | 25       | 56       |
| 60    | 4   | 15  | 25       | 56       | 60    | 4   | 15  | 25       | 56       |
| 61    | 5   | 16  | 45       | 62       | 61    | 5   | 16  | 45       | 62       |
| 62    | 5   | 16  | 45       | 62       | 62    | 5   | 16  | 45       | 62       |
| 63    | 5   | 16  | 45       | 62       | 63    | 5   | 16  | 45       | 62       |
| 64    | 4   | 15  | 24       | 63       | 64    | 4   | 15  | 24       | 63       |
| 65    | 4   | 15  | 24       | 63       | 65    | 4   | 15  | 24       | 63       |
| 66    | 4   | 15  | 24       | 63       | 66    | 4   | 15  | 24       | 63       |
| 67    | 0   | 15  | 0        | 51       | 67    | 0   | 15  | 0        | 51       |
| 68    | 0   | 16  | 0        | 55       | 68    | 0   | 16  | 0        | 55       |
| 69    | 0   | 15  | 0        | 55       | 69    | 0   | 15  | 0        | 55       |
| 70    | 0   | 15  | 0        | 58       | 70    | 0   | 15  | 0        | 58       |
| 71    | 0   | 16  | 0        | 58       | 71    | 0   | 16  | 0        | 58       |
| 72    | 4   | 15  | 26       | 51       | 72    | 4   | 15  | 26       | 51       |
| 73    | 4   | 16  | 28       | 48       | 73    | 4   | 16  | 28       | 48       |
| 74    | 0   | 15  | 0        | 34       | 74    | 0   | 15  | 0        | 34       |
| 75    | 0   | 0   | 0        | 0        | 75    | 0   | 0   | 0        | 0        |

# Listing 2. Distance File (Cont'd)

CI 15

| UNIT | ATP | ASP | ATP DIST | ASP DIST |
|------|-----|-----|----------|----------|
| 1    | 3   | 15  | 3        | 59       |
| 2    | 2   | 15  | 33       | 60       |
| 3    | 3   | 15  | 19       | 48       |
| 4    | 2   | 16  | 43       | 70       |
| 5    | 2   | 16  | 44       | 71       |
| 6    | 3   | 16  | 11       | 42       |
| 7    | 1   | 15  | 15       | 90       |
| 8    | 1   | 15  | 21       | 91       |
| 9    | 2   | 16  | 43       | 70       |
| 10   | 1   | 15  | 21       | 31       |
| 11   | 1   | 15  | 33       | 63       |
| 12   | 2   | 15  | 39       | 65       |
| 13   | 1   | 15  | 25       | 56       |
| 14   | 1   | 15  | 27       | 52       |
| 15   | 1   | 15  | 32       | 54       |
| 16   | 2   | 12  | 14       | 34       |
| 17   | 1   | 15  | 26       | 56       |
| 18   | 2   | 12  | 7        | 31       |
| 19   | 1   | 15  | 20       | 50       |
| 20   | 1   | 15  | 26       | 56       |
| 21   | 1   | 15  | 20       | 50       |
| 22   | 2   | 15  | 36       | 61       |
| 23   | 2   | 15  | 35       | 61       |
| 24   | 2   | 15  | 35       | 61       |
| 25   | 3   | 15  | 19       | 57       |
| 26   | 3   | 15  | 19       | 57       |
| 27   | 1   | 15  | 27       | 52       |
| 28   | 3   | 15  | 27       | 52       |
| 29   | 3   | 15  | 27       | 52       |
| 30   | 3   | 16  | 24       | 51       |
| 31   | 2   | 16  | 36       | 63       |
| 32   | 2   | 16  | 36       | 63       |
| 33   | 2   | 16  | 36       | 63       |
| 34   | 1   | 15  | 19       | 53       |
| 35   | 1   | 15  | 19       | 53       |
| 36   | 1   | 15  | 19       | 53       |
| 37   | 5   | 16  | 10       | 39       |
| 38   | 5   | 16  | 10       | 39       |
| 39   | 5   | 16  | 11       | 40       |
| 40   | 4   | 15  | 15       | 34       |
| 41   | 4   | 15  | 15       | 34       |
| 42   | 4   | 15  | 11       | 50       |
| 43   | 0   | 0   | 0        | 0        |
| 44   | 0   | 0   | 0        | 0        |
| 45   | 0   | 0   | 0        | 0        |
| 46   | 0   | 0   | 0        | 0        |
| 47   | 0   | 0   | 0        | 0        |
| 48   | 0   | 0   | 0        | 0        |
| 49   | 5   | 16  | 40       | 57       |
| 50   | 5   | 16  | 40       | 57       |
| 51   | 5   | 16  | 40       | 57       |
| 52   | 4   | 15  | 33       | 66       |
| 53   | 4   | 15  | 33       | 66       |
| 54   | 4   | 15  | 33       | 66       |
| 55   | 5   | 16  | 41       | 58       |
| 56   | 5   | 16  | 41       | 58       |
| 57   | 5   | 16  | 41       | 58       |
| 58   | 4   | 15  | 25       | 56       |
| 59   | 4   | 15  | 25       | 56       |
| 60   | 4   | 15  | 25       | 56       |
| 61   | 5   | 16  | 45       | 62       |
| 62   | 5   | 16  | 45       | 62       |
| 63   | 5   | 16  | 45       | 62       |
| 64   | 4   | 15  | 24       | 63       |
| 65   | 4   | 15  | 24       | 63       |
| 66   | 4   | 15  | 24       | 63       |
| 67   | 0   | 15  | 0        | 51       |
| 68   | 0   | 16  | 0        | 64       |
| 69   | 0   | 15  | 0        | 55       |
| 70   | 0   | 15  | 0        | 55       |
| 71   | 0   | 16  | 0        | 38       |
| 72   | 4   | 15  | 26       | 51       |
| 73   | 4   | 16  | 28       | 48       |
| 74   | 0   | 15  | 0        | 34       |
| 75   | 0   | 0   | 0        | 0        |

#### 4. ASP/ATP Data.

a. Overview. As the ARM data base drives the ARM model, the ASP/ATP data, comprising as it does the greatest number of different user interactive arrays, holds a prominent position within that data base. The arrays are: IASP, IAMLVL, ISERV, IATP, IATPSD, and IATPSP. This is the order in which they will be presented. What they detail, already spelled out in Volume I, will again become apparent in this presentation. The user is referred to Volume I for more lengthy explanation.

#### b. Printouts and Explanations.

(1) IASP(10,110). Listing 3 is the printout of IASP for the standard European heavy division at the start of the game. The ASPs, 11-20, appear on the columns of the printout and the attributes, 1-110, are the rows. Only four of the ASPs are to be used initially. Therefore ASPs 15-20 are not stocked with any ammunition. The data values for ASP 11 will be used for this discussion.

| <u>Attribute</u>                                                                         | <u>Value</u> | <u>Source(s)</u> |
|------------------------------------------------------------------------------------------|--------------|------------------|
| 1. Distance to CSA                                                                       | 109          | j, a, e          |
| 2. ASP status                                                                            | 0            | j                |
| 3. Cum helicopter counter                                                                | 0            | c                |
| 4. S&P queue for CSA-ASP                                                                 | 126          | d                |
| 5. # trucks to CSA                                                                       | 0            | c                |
| 6. # empty S&Ps at ASP                                                                   | 0            | c                |
| 7. Server's queue number                                                                 | 156          | d                |
| 8. # of MLRS being served                                                                | 0            | c                |
| 9. Routine queue number                                                                  | 136          | d                |
| 10. MLRS queue number                                                                    | 146          | d                |
| 11. Rear ASP #                                                                           | 15           | e                |
| 12. # Trucks in routine queue                                                            | 0            | c                |
| 13. # Trucks in MLRS queue                                                               | 0            | c                |
| 14. Convoy counter at CSA                                                                | 0            | c                |
| 15. Helicopter server counter                                                            | 0            | c                |
| 16. Server removal counter                                                               | 0            | c                |
| 17. # of convoys sent from CSA                                                           | 0            | c                |
| 18. S&P queue for ASP-ATP round-robin                                                    | 166          | d                |
| 19. Not used                                                                             | 0            | c                |
| 20. # times server unavailable for unit truck                                            | 0            | c                |
| 21. Ammo 1 current supply                                                                | 960          | a,g,b,e          |
| 22. Queue ammo demand, ammo 1                                                            | 0            | c                |
| 23. Ammo 1 on-the-way                                                                    | 0            | c                |
| 24-78. Same attribute definitions as<br>21-23 for ammo 2-18. The values<br>are as shown. |              |                  |

# Listing 3. IASP

\*\*\*\*\*ASP DATA\*\*\*\*\*

|    | ASP 11 | ASP 12 | ASP 13 | ASP 14 | ASP 15 | ASP 16 | ASP 17 | ASP 18 | ASP 19 | ASP 20 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1  | 109    | 107    | 98     | 98     | 74     | 72     | 30     | 24     | 0      | 0      |
| 2  | 0      | 0      | 0      | 0      | 1      | 1      | -1     | -1     | -1     | -1     |
| 3  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 4  | 126    | 127    | 128    | 129    | 130    | 131    | 132    | 133    | 134    | 135    |
| 5  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 6  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 7  | 156    | 157    | 158    | 159    | 160    | 161    | 162    | 163    | 164    | 165    |
| 8  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 9  | 136    | 137    | 138    | 139    | 140    | 141    | 142    | 143    | 144    | 145    |
| 10 | 146    | 147    | 148    | 149    | 150    | 151    | 152    | 153    | 154    | 155    |
| 11 | 15     | 15     | 16     | 16     | 17     | 18     | 0      | 0      | 0      | 0      |
| 12 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 13 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 14 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 15 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 16 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 17 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 18 | 166    | 167    | 168    | 169    | 170    | 171    | 172    | 173    | 174    | 175    |
| 19 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 20 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 21 | 960    | 960    | 960    | 960    | 0      | 0      | 0      | 0      | 0      | 0      |
| 22 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 23 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 24 | 288    | 288    | 288    | 288    | 0      | 0      | 0      | 0      | 0      | 0      |
| 25 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 26 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 27 | 12750  | 12750  | 12750  | 12750  | 0      | 0      | 0      | 0      | 0      | 0      |
| 28 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 29 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 30 | 1792   | 1792   | 1792   | 1792   | 0      | 0      | 0      | 0      | 0      | 0      |
| 31 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 32 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 33 | 7072   | 7072   | 7072   | 7072   | 0      | 0      | 0      | 0      | 0      | 0      |
| 34 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 35 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 36 | 432    | 432    | 432    | 432    | 0      | 0      | 0      | 0      | 0      | 0      |
| 37 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 38 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 39 | 2376   | 2376   | 2376   | 2376   | 0      | 0      | 0      | 0      | 0      | 0      |
| 40 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 41 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 42 | 4104   | 4104   | 4104   | 4104   | 0      | 0      | 0      | 0      | 0      | 0      |
| 43 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 44 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 45 | 336    | 336    | 336    | 336    | 0      | 0      | 0      | 0      | 0      | 0      |

Listing 3. IASP (Con't)

|    | ASP 11 | ASP 12 | ASP 13 | ASP 14 | ASP 15 | ASP 16 | ASP 17 | ASP 18 | ASP 19 | ASP 20 |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 46 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 47 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 48 | 1920   | 1920   | 1920   | 1920   | 0      | 0      | 0      | 0      | 0      | 0      |
| 49 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 50 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 51 | 1792   | 1792   | 1792   | 1792   | 0      | 0      | 0      | 0      | 0      | 0      |
| 52 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 53 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 54 | 456    | 456    | 456    | 456    | 0      | 0      | 0      | 0      | 0      | 0      |
| 55 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 56 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 57 | 896    | 896    | 896    | 896    | 0      | 0      | 0      | 0      | 0      | 0      |
| 58 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 59 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 60 | 20480  | 20480  | 20480  | 20480  | 0      | 0      | 0      | 0      | 0      | 0      |
| 61 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 62 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 63 | 432    | 432    | 432    | 432    | 0      | 0      | 0      | 0      | 0      | 0      |
| 64 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 65 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 66 | 4536   | 4536   | 4536   | 4536   | 0      | 0      | 0      | 0      | 0      | 0      |
| 67 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 68 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 69 | 22500  | 22500  | 22500  | 22500  | 0      | 0      | 0      | 0      | 0      | 0      |
| 70 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 71 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 72 | 5376   | 5376   | 5376   | 5376   | 0      | 0      | 0      | 0      | 0      | 0      |
| 73 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 74 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 75 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 76 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 77 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 78 | 18000  | 18000  | 18000  | 18000  | 0      | 0      | 0      | 0      | 0      | 0      |
| 79 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 80 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 81 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 82 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 83 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 84 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 85 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 86 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 87 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 88 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 89 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 90 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 91 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 92 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |

### Listing 3. IASP (Con't)

|     | ASP 11 | ASP 12 | ASP 13 | ASP 14 | ASP 15 | ASP 16 | ASP 17 | ASP 18 | ASP 19 | ASP 20 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 93  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 94  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 95  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 96  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 97  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 98  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 99  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 100 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 101 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 102 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 103 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 104 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 105 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 106 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 107 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 108 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 109 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 110 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |

(2) IAMLVL(2,30). The IAMLVL array printout is shown on Listing 4. It is essentially a three column printout with the ammo code in the first column, the number of rounds of that ammo to be maintained at each ATP in column two, and the number of rounds of that ammo to be maintained at each ASP in column three. The data values are as shown. The 150 and 120 in IAMLVL (1, 29) and IAMLVL (1, 30) are the maximum stockage percentages for ATP and ASP, respectively. Thus ASPs can have at least  $9000 \times 120\% = 10,800$  rounds of ammo 20. Sources for data are: ammo code (d), ammo levels (j).

### Listing 4. IAMLVL

#### ATP/ASP STOCKAGE OBJECTIVES (IAMLVL(2,30))

| AMMO | ATP  | ASP  | AMMO | ATP  | ASP   | AMMO | ATP | ASP |
|------|------|------|------|------|-------|------|-----|-----|
| 1    | 1440 | 1440 | 11   | 9000 | 896   | 21   | 0   | 0   |
| 2    | 288  | 288  | 12   | 0    | 684   | 22   | 0   | 0   |
| 3    | 3400 | 4250 | 13   | 0    | 896   | 23   | 0   | 0   |
| 4    | 896  | 896  | 14   | 0    | 40960 | 24   | 0   | 0   |
| 5    | 1664 | 1248 | 15   | 0    | 648   | 25   | 0   | 0   |
| 6    | 432  | 648  | 16   | 0    | 4536  | 26   | 0   | 0   |
| 7    | 648  | 864  | 17   | 0    | 22500 | 27   | 0   | 0   |
| 8    | 1368 | 1824 | 18   | 0    | 16128 | 28   | 0   | 0   |
| 9    | 336  | 336  | 19   | 0    | 0     | 29   | 150 | 0   |
| 10   | 240  | 480  | 20   | 0    | 9000  | 30   | 120 | 0   |

(3) ISERV(10). The ISERV array is shown on Listing 5. The attributes are listed in a single row. All values are initialized to zero.

### Listing 5. ISERV

\*\*\*\*ISERV\*\*\*\*

0      0      0      0      0      0      0      0      0      0

(4) IATP(10,53). Listing 6 shows the IATP array. In similar fashion to the IASP array the ATPs, 1-10, are listed in columns, and the attributes, 1-53, are in rows. There are initially six active ATPs as the others have no ammunition. In associating data with sources primary attention will be on ATP 1.

| <u>Attribute</u>                               | <u>Value</u> | <u>Source(s)</u> |
|------------------------------------------------|--------------|------------------|
| 1. Distance to CSA                             | 139          | j, a, e          |
| 2. Distance to ASP                             | 34           | j, a, e          |
| 3. Distance to DAO                             | 90           | j, a, e          |
| 4. Not used                                    | 0            | c                |
| 5. # arriving S&P trucks for return of empties | 3            | j, e             |
| 6. Associated ASP #                            | 11           | e                |
| 7. Queue for ASP S&P                           | 0            | c                |
| 8. # MLRS trucks being served                  | 0            | c                |
| 9. CSA S&P queue                               | 0            | c                |
| 10. Server's queue #                           | 116          | d                |
| 11. Artillery queue #                          | 96           | d                |
| 12. Maneuver unit queue #                      | 106          | d                |
| 13. Convoy counter at CSA                      | 0            | c                |
| 14. # trucks in artillery queue                | 0            | c                |
| 15. # trucks in maneuver unit queue            | 0            | c                |
| 16. Server removal counter                     | 0            | c                |
| 17. # of convoys from CSA                      | 0            | c                |
| 18-19. Not used                                | 0            | c                |
| 20. # times server not available               | 0            | c                |
| 21. Current ammo supply, ammo 1                | 1440         | a,g,b,e          |

| <u>Attribute</u>                                                                         | <u>Value</u> | <u>Source(s)</u> |
|------------------------------------------------------------------------------------------|--------------|------------------|
| 22. Queue ammo demand, ammo 1                                                            | 0            | c                |
| 23. Queue ammo demand, ammo 1                                                            | 0            | c                |
| 23. Ammo 1 on-the-way                                                                    | 0            | c                |
| 24-26. Same attribute definitions as<br>21-23 for ammo 2-10. The values are<br>as shown. |              |                  |

# Listing 6. IATP

\*\*\*\*\*ATP DATA\*\*\*\*\*

|    | ASP 1 | ASP 2 | ASP 3 | ASP 4 | ASP 5 | ASP 6 | ASP 7 | ASP 8 | ASP 9 | ASP 10 |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1  | 139   | 124   | 126   | 131   | 116   | 116   | 0     | 0     | 0     | 0      |
| 2  | 34    | 34    | 35    | 26    | 25    | 41    | 0     | 0     | 0     | 0      |
| 3  | 90    | 90    | 90    | 90    | 90    | 0     | 0     | 0     | 0     | 0      |
| 4  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 5  | 3     | 3     | 3     | 3     | 3     | 3     | 0     | 0     | 0     | 0      |
| 6  | 11    | 14    | 12    | 12    | 13    | 13    | 0     | 0     | 0     | 0      |
| 7  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 8  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 9  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 10 | 116   | 117   | 118   | 119   | 120   | 121   | 122   | 123   | 124   | 125    |
| 11 | 96    | 97    | 98    | 99    | 100   | 101   | 102   | 103   | 104   | 105    |
| 12 | 106   | 107   | 108   | 109   | 110   | 111   | 112   | 113   | 114   | 115    |
| 13 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 14 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 15 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 16 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 17 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 18 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 19 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 20 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 21 | 1440  | 1440  | 1440  | 0     | 0     | 1440  | 0     | 0     | 0     | 0      |
| 22 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 23 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 24 | 288   | 288   | 288   | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 25 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 26 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 27 | 3400  | 3400  | 3400  | 0     | 0     | 1700  | 0     | 0     | 0     | 0      |
| 28 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 29 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 30 | 896   | 896   | 896   | 0     | 0     | 448   | 0     | 0     | 0     | 0      |
| 31 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 32 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 33 | 1664  | 1664  | 1664  | 0     | 0     | 1248  | 0     | 0     | 0     | 0      |
| 34 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 35 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 36 | 0     | 0     | 0     | 432   | 648   | 0     | 0     | 0     | 0     | 0      |
| 37 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 38 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 39 | 0     | 0     | 0     | 648   | 864   | 0     | 0     | 0     | 0     | 0      |
| 40 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 41 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 42 | 0     | 0     | 0     | 1368  | 1824  | 0     | 0     | 0     | 0     | 0      |
| 43 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 44 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |

# Listing 6. IATP (Con't)

|    | ASP 1 | ASP 2 | ASP 3 | ASP 4 | ASP 5 | ASP 6 | ASP 7 | ASP 8 | ASP 9 | ASP 10 |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 45 | 0     | 0     | 0     | 336   | 0     | 0     | 0     | 0     | 0     | 0      |
| 46 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 47 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 48 | 0     | 0     | 0     | 240   | 288   | 0     | 0     | 0     | 0     | 0      |
| 49 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 50 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 51 | 9000  | 9000  | 9000  | 9000  | 9000  | 9000  | 0     | 0     | 0     | 0      |
| 52 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
| 53 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |

(5) IATPSD(5). The IATPSD array is shown on Listing 7. The attributes are listed in a row.

# LISTING 7. IATPSD

\*\*\*\*\*ATP SERVICE DATA\*\*\*\*\*

1181 3 2 6 0

| <u>Attribute</u>                    | <u>Value</u> | <u>Source(s)</u> |
|-------------------------------------|--------------|------------------|
| 1. Lowest ASP-ATP round-robin S&P # | 1181         | e                |
| 2. ATP first priority S&P queue     | 3            | j, e             |
| 3. ATP 2nd priority S&P queue       | 3            | j, e             |
| 4. CFA ATP owner #                  | 6            | j                |
| 5. Not used                         | 0            | c                |

## 5. Unit Data.

a. Overview. Almost the entirety of the unit data with which the user often interacts is contained in the IUNIT array. The user is reminded that in ARM a unit represents an artillery battery or, in the case of maneuver units, a battalion. A discussion of IUNIT will follow.

b. Printout and Explanation. Listing 8 shows the IUNIT array. Its dimensions are (75, 142). Its printout is the most difficult to read of all those in ARM as it has often been run on printers with a more narrow than standard page width. Therefore, some care must be exercised. Reading down the left-hand column are the unit numbers, 1-75. The values, row by row, for unit 1 are as follows.

| <u>Attribute</u>                                                                         | <u>Value</u> | <u>Source(s)</u>           |
|------------------------------------------------------------------------------------------|--------------|----------------------------|
| 1. Unit type                                                                             | 1            | d                          |
| 2. Serving ATP                                                                           | 3            | j                          |
| 3. Serving ASP                                                                           | 12           | j                          |
| 4. Distance to ATP (km)                                                                  | 26           | j, a, e                    |
| 5. Distance to ASP (km)                                                                  | 58           | j, a, e                    |
| 6. Time last unit truck was interdicted                                                  | 0            | c                          |
| (JIFFY name)                                                                             | TF1A         | a, (value read from AUNIT) |
| 7. Helicopter missions received this CI                                                  | 0            | c                          |
| (At this point the reader should skip to the farthest left-hand value of the second row) |              |                            |
| 8. First ammo type                                                                       | 1            | a, d                       |
| 9. Weapons alive first ammo                                                              | 44           | a, b                       |
| 10. Weapons short ammo, first ammo                                                       | 0            | c                          |
| 11. Rounds short-all weapons, first ammo                                                 | 0            | c                          |
| 12. Current ammo supply-all weapons, first ammo type                                     | 2376         | a, g, b, e                 |
| 13. Routine supply level-per weapon, first ammo type                                     | 28           | e, a                       |
| 14. Critical resupply level-per weapon, first ammo type                                  | 0            | e, a                       |
| 15. Basic ammo level-per weapon, first ammo type                                         | 54           | b, e                       |
| 16. Ammo on trucks, first ammo type                                                      | 1200         | b, e                       |
| 17. # weapons killed at end of CI, first ammo type                                       | 0            | c                          |

| <u>Attribute</u>                                                                                              | <u>Value</u> | <u>Source(s)</u> |
|---------------------------------------------------------------------------------------------------------------|--------------|------------------|
| 18. # weapons short ammo, first ammo type                                                                     | 0            | c                |
| 19. Total rounds demanded through whole<br>CI, first ammo round                                               | 0            | c                |
| 20. Storage for number of rounds resupply<br>in route, first ammo type                                        | 0            | c                |
| (Again, skip back to next row,<br>farthest left-hand value and begin<br>reading for the next nine ammo types) |              |                  |
| (Now, looking at the four zeros at<br>the end of the first row. They are:                                     |              |                  |
| 139. Pulse indicator                                                                                          | 0            | e                |
| 140-142. Counters                                                                                             | 0            | c                |



UNIT TYPE ATP ASP ATP DIST ASP DIST ASP DIST NO. HELD PULSE KNTR1 KNTR2 KNTR3  
AMMO WPNS ALIVE WPNS SHORT WPNS SHORT RND5 SHORT CURRENT RRL CRL BAL TRK AMMO CI SURV SHORT DMD REPL

|   |    |    |    |    |    |       |     |   |     |      |   |   |   |   |   |   |   |   |   |
|---|----|----|----|----|----|-------|-----|---|-----|------|---|---|---|---|---|---|---|---|---|
| 5 | 1  | 1  | 3  | 13 | 10 | 45    | 28  | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 1  | 1  | 94 | 0  | 0  | 2376  | 28  | 0 | 54  | 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 2  | 6  | 0  | 0  | 0  | 72    | 6   | 0 | 12  | 108  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 2  | 13 | 0  | 0  | 0  | 78    | 3   | 0 | 5   | 108  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 16 | 6  | 0  | 0  | 0  | 690   | 58  | 0 | 115 | 1080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 17 | 12 | 0  | 0  | 0  | 6650  | 175 | 0 | 352 | 4500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 1  | 1  | 3  | 13 | 14 | 49    | 28  | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 1  | 1  | 44 | 0  | 0  | 2376  | 28  | 0 | 54  | 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 2  | 6  | 0  | 0  | 0  | 72    | 6   | 0 | 12  | 108  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 2  | 13 | 0  | 0  | 0  | 78    | 3   | 0 | 5   | 108  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 16 | 6  | 0  | 0  | 0  | 690   | 58  | 0 | 115 | 1080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 17 | 12 | 0  | 0  | 0  | 6650  | 175 | 0 | 352 | 4500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 1  | 1  | 1  | 15 | 20 | 95    | 28  | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 1  | 1  | 28 | 0  | 0  | 1512  | 28  | 0 | 54  | 720  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 2  | 6  | 0  | 0  | 0  | 72    | 6   | 0 | 12  | 216  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 2  | 26 | 0  | 0  | 0  | 156   | 3   | 0 | 6   | 216  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 16 | 6  | 0  | 0  | 0  | 690   | 58  | 0 | 115 | 2160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 17 | 12 | 0  | 0  | 0  | 11200 | 175 | 0 | 350 | 9000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 1  | 1  | 1  | 12 | 25 | 39    | 28  | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 1  | 1  | 28 | 0  | 0  | 1512  | 28  | 0 | 54  | 720  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 2  | 6  | 0  | 0  | 0  | 72    | 6   | 0 | 12  | 216  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 2  | 26 | 0  | 0  | 0  | 156   | 3   | 0 | 6   | 216  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 16 | 6  | 0  | 0  | 0  | 690   | 58  | 0 | 115 | 2160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 17 | 12 | 0  | 0  | 0  | 11200 | 175 | 0 | 352 | 9000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0  | 0  | 0  | 0  | 0  | 0     | 0   | 0 | 0   | 0    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Listing 8. IUNIT Array (Cont'd)



















UNIT TYPE ATP ASP ATP DIST ASP DIST CUMMELS JIFFY NAME NO. HELD PULSE KMTB1 KMTB2 KMTB3  
AMMO MPNS ALIVE MPNS SHORT RND5 SHORT CURRENT RRL CRL BAL TRK AMMO CI SURV SHORT DMD REPL

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 45 | 4  | 1  | 15 | 18 | 55 | 2  | 2  | 0  | 0  | 0  | 1  | 0  | 0  | 0  |
| 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| 46 | 4  | 3  | 15 | 12 | 48 | 2  | 2  | 0  | 0  | 0  | 1  | 0  | 0  | 0  |
| 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| 47 | 4  | 3  | 15 | 12 | 48 | 2  | 2  | 0  | 0  | 0  | 1  | 0  | 0  | 0  |
| 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| 48 | 4  | 3  | 15 | 12 | 48 | 2  | 2  | 0  | 0  | 0  | 1  | 0  | 0  | 0  |
| 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |
| U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  | U  |

Listing 8. IUNIT Array (Cont'd)















## 6. Truck Data.

a. Overview. The main ARM truck data arrays are ITRUCK and ITYPE. The ITRUCK array is the largest within arm and is concerned with the individual vehicles played. These include trucks, cranes, and forklifts. ITYPE, on the other hand, describes characteristics common to the different types of vehicles simulated. Also included in this chapter is a printout of the truck queues at the start of the game.

### b. Printouts and Explanations.

(1) ITRUCK(1400,15). The ITRUCK array appears on Listing 9. The truck numbers are listed in columnar fashion running down the left margin. Each truck's fifteen attributes appear as rows on the same line with the truck number. Truck number 1 will be explained.

| <u>Attribute</u>             | <u>Value</u> | <u>Source(s)</u>                                                                                                                           |
|------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Vehicle type              | 1            | b, d                                                                                                                                       |
| 2. Mission type              | 1            | b, d                                                                                                                                       |
| 3. Status type               | 1            | b, d                                                                                                                                       |
| 4. Owner number              | 1            | (Unit number of truck)                                                                                                                     |
| 5. Ammo mix number           | 1            | (Equates to the AMMO mix number in the IMIX array which was set by the gamer in accordance with the scenario, truck and rounds type, etc.) |
| 6. Percent loaded            | 100.00       | e                                                                                                                                          |
| 7. Time since last failure   | 0            | c                                                                                                                                          |
| 8-15. General truck counters | 0            | c                                                                                                                                          |

AD-A131 219

AMMUNITION RESUPPLY MODEL VOLUME 3 STANDARD EUROPEAN  
HEAVY DIVISION DATA BASE(U) COMBINED ARMS OPERATIONS  
RESEARCH ACTIVITY FORT LEAVENWORTH K. C. HARRIS MAY 83  
CAORA/TR-6/83-VOL-3

2/2

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F/G 19/1

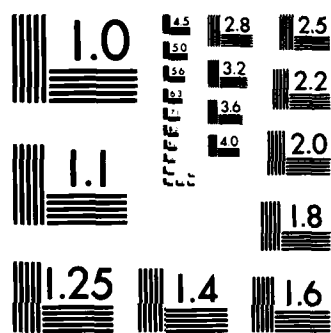
NL

END

FILMED

11

RE-PRODUCED



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | 1     | LOAD  | NEXT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1     | 1    | 1       | 1      | 1     | 1   | 1     | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 2     | 1    | 1       | 1      | 1     | 1   | 1     | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 3     | 1    | 1       | 1      | 1     | 1   | 1     | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 4     | 1    | 1       | 1      | 1     | 1   | 1     | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 5     | 1    | 1       | 1      | 1     | 1   | 1     | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 6     | 1    | 1       | 1      | 1     | 1   | 16    | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 7     | 1    | 1       | 1      | 1     | 1   | 16    | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 8     | 2    | 1       | 1      | 1     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 9     | 2    | 1       | 1      | 1     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 10    | 2    | 1       | 1      | 1     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 11    | 1    | 1       | 1      | 2     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 12    | 1    | 1       | 1      | 2     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 13    | 1    | 1       | 1      | 2     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 14    | 1    | 1       | 1      | 2     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 15    | 1    | 1       | 1      | 2     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 16    | 1    | 1       | 1      | 2     | 16  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 17    | 1    | 1       | 1      | 2     | 16  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 18    | 2    | 1       | 1      | 2     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 19    | 2    | 1       | 1      | 2     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 20    | 2    | 1       | 1      | 2     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 21    | 1    | 1       | 1      | 3     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 22    | 1    | 1       | 1      | 3     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 23    | 1    | 1       | 1      | 3     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 24    | 1    | 1       | 1      | 3     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 25    | 1    | 1       | 1      | 3     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 26    | 1    | 1       | 1      | 3     | 16  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 27    | 1    | 1       | 1      | 3     | 16  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 28    | 2    | 1       | 1      | 3     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 29    | 2    | 1       | 1      | 3     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 30    | 2    | 1       | 1      | 3     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 31    | 1    | 1       | 1      | 4     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 32    | 1    | 1       | 1      | 4     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 33    | 1    | 1       | 1      | 4     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 34    | 1    | 1       | 1      | 4     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 35    | 1    | 1       | 1      | 4     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 36    | 1    | 1       | 1      | 4     | 16  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 37    | 1    | 1       | 1      | 4     | 16  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 38    | 2    | 1       | 1      | 4     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 39    | 2    | 1       | 1      | 4     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 40    | 2    | 1       | 1      | 4     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 41    | 1    | 1       | 1      | 5     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 42    | 1    | 1       | 1      | 5     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 43    | 1    | 1       | 1      | 5     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 44    | 1    | 1       | 1      | 5     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 45    | 1    | 1       | 1      | 5     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 46    | 1    | 1       | 1      | 5     | 16  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 47    | 1    | 1       | 1      | 5     | 16  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 48    | 2    | 1       | 1      | 5     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 49    | 2    | 1       | 1      | 5     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 50    | 2    | 1       | 1      | 5     | 32  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 51    | 1    | 1       | 1      | 6     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 52    | 1    | 1       | 1      | 6     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 53    | 1    | 1       | 1      | 6     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 54    | 1    | 1       | 1      | 6     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 55    | 1    | 1       | 1      | 6     | 1   | 16000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 56    | 1    | 1       | 1      | 6     | 16  | 10000 | 0     | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

UNCLASSIFIED TRUCK DATA

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD  | EXT | FAIL | KN181 | KN182 | KN183 | KN184 | KN185 | KN186 | KN187 | KN188 |
|-------|------|---------|--------|-------|-----|-------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 57    | 1    | 1       | 1      | 6     | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 58    | 2    | 1       | 1      | 6     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 59    | 2    | 1       | 1      | 6     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 60    | 2    | 1       | 1      | 6     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 61    | 1    | 1       | 1      | 7     | 1   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 62    | 1    | 1       | 1      | 7     | 1   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 63    | 1    | 1       | 1      | 7     | 1   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 64    | 2    | 1       | 1      | 7     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 65    | 2    | 1       | 1      | 7     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 66    | 1    | 1       | 1      | 7     | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 67    | 1    | 1       | 1      | 7     | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 68    | 2    | 1       | 1      | 7     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 69    | 2    | 1       | 1      | 7     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 70    | 2    | 1       | 1      | 7     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 71    | 2    | 1       | 1      | 7     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 72    | 1    | 1       | 1      | 8     | 1   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 73    | 1    | 1       | 1      | 8     | 1   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 74    | 1    | 1       | 1      | 8     | 1   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 75    | 2    | 1       | 1      | 8     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 76    | 1    | 1       | 1      | 8     | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 77    | 1    | 1       | 1      | 8     | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 78    | 2    | 1       | 1      | 8     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 79    | 2    | 1       | 1      | 8     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 80    | 2    | 1       | 1      | 8     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 81    | 2    | 1       | 1      | 8     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 82    | 2    | 1       | 1      | 8     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 83    | 1    | 1       | 1      | 9     | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 84    | 1    | 1       | 1      | 9     | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 85    | 1    | 1       | 1      | 9     | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 86    | 1    | 1       | 1      | 9     | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 87    | 2    | 1       | 1      | 9     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 88    | 2    | 1       | 1      | 9     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 89    | 2    | 1       | 1      | 9     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 90    | 2    | 1       | 1      | 9     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 91    | 2    | 1       | 1      | 9     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 92    | 2    | 1       | 1      | 9     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 93    | 2    | 1       | 1      | 9     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 94    | 2    | 1       | 1      | 9     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 95    | 2    | 1       | 1      | 9     | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 96    | 1    | 1       | 1      | 9     | 1   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 97    | 1    | 1       | 1      | 9     | 1   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 98    | 0    | 0       | 0      | 0     | 0   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 99    | 1    | 1       | 1      | 10    | 1   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 100   | 1    | 1       | 1      | 10    | 1   | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 101   | 2    | 1       | 1      | 10    | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 102   | 2    | 1       | 1      | 10    | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 103   | 1    | 1       | 1      | 10    | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 104   | 1    | 1       | 1      | 10    | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 105   | 1    | 1       | 1      | 10    | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 106   | 1    | 1       | 1      | 10    | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 107   | 2    | 1       | 1      | 10    | 16  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 108   | 2    | 1       | 1      | 10    | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 109   | 2    | 1       | 1      | 10    | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 110   | 2    | 1       | 1      | 10    | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 111   | 2    | 1       | 1      | 10    | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 112   | 2    | 1       | 1      | 10    | 32  | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

\*\*\*\*\* INTRUCK DATA \*\*\*\*\*

| INTRUCK | TYPE | MISSION | STATUS | OWNER | MIX | 2     | LOAD | NEXT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|---------|------|---------|--------|-------|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 115     | 2    | 1       | 1      | 10    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 116     | 1    | 1       | 1      | 11    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 117     | 1    | 1       | 1      | 11    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 118     | 1    | 1       | 1      | 11    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 119     | 1    | 1       | 1      | 11    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 120     | 1    | 1       | 1      | 11    | 16  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 121     | 1    | 1       | 1      | 11    | 16  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 122     | 2    | 1       | 1      | 11    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 123     | 2    | 1       | 1      | 11    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 124     | 2    | 1       | 1      | 11    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 125     | 2    | 1       | 1      | 11    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 126     | 2    | 1       | 1      | 11    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 127     | 2    | 1       | 1      | 11    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 128     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 129     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 130     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 131     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 132     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 133     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 134     | 1    | 1       | 1      | 12    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 135     | 1    | 1       | 1      | 12    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 136     | 1    | 1       | 1      | 12    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 137     | 1    | 1       | 1      | 12    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 138     | 1    | 1       | 1      | 12    | 16  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 139     | 1    | 1       | 1      | 12    | 16  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 140     | 1    | 1       | 1      | 12    | 16  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 141     | 1    | 1       | 1      | 12    | 16  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 142     | 2    | 1       | 1      | 12    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 143     | 2    | 1       | 1      | 12    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 144     | 2    | 1       | 1      | 12    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 145     | 2    | 1       | 1      | 12    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 146     | 2    | 1       | 1      | 12    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 147     | 2    | 1       | 1      | 12    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 148     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 149     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 150     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 151     | 1    | 1       | 1      | 13    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 152     | 1    | 1       | 1      | 13    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 153     | 1    | 1       | 1      | 13    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 154     | 1    | 1       | 1      | 13    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 155     | 1    | 1       | 1      | 13    | 16  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 156     | 1    | 1       | 1      | 13    | 16  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 157     | 1    | 1       | 1      | 13    | 16  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 158     | 1    | 1       | 1      | 13    | 16  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 159     | 2    | 1       | 1      | 13    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 160     | 2    | 1       | 1      | 13    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 161     | 2    | 1       | 1      | 13    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 162     | 2    | 1       | 1      | 13    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 163     | 2    | 1       | 1      | 13    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 164     | 2    | 1       | 1      | 13    | 32  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 165     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 166     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 167     | 0    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 168     | 1    | 1       | 1      | 14    | 1   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

UNCLASSIFIED \* \* \* \* \* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | R | LOAD  | EXT | FAIL | KN181 | KN182 | KN183 | KN184 | KN185 | KN186 | KN187 | KN188 |
|-------|------|---------|--------|-------|-----|---|-------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 169   | 1    | 1       | 1      | 14    | 1   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 170   | 1    | 1       | 1      | 14    | 1   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 171   | 1    | 1       | 1      | 14    | 1   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 172   | 1    | 1       | 1      | 14    | 16  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 173   | 1    | 1       | 1      | 14    | 16  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 174   | 1    | 1       | 1      | 14    | 16  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 175   | 1    | 1       | 1      | 14    | 32  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 176   | 2    | 1       | 1      | 14    | 32  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 177   | 2    | 1       | 1      | 14    | 32  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 178   | 2    | 1       | 1      | 14    | 32  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 179   | 2    | 1       | 1      | 14    | 32  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 180   | 2    | 1       | 1      | 14    | 32  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 181   | 2    | 1       | 1      | 14    | 32  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 182   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 183   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 184   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 185   | 1    | 1       | 1      | 15    | 1   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 186   | 1    | 1       | 1      | 15    | 1   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 187   | 1    | 1       | 1      | 15    | 1   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 188   | 1    | 1       | 1      | 15    | 2   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 189   | 1    | 1       | 1      | 15    | 2   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 190   | 1    | 1       | 1      | 15    | 2   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 191   | 1    | 1       | 1      | 15    | 2   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 192   | 1    | 1       | 1      | 15    | 16  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 193   | 1    | 1       | 1      | 15    | 16  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 194   | 1    | 1       | 1      | 15    | 16  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 195   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 196   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 197   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 198   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 199   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 200   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 201   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 202   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 203   | 1    | 1       | 1      | 16    | 1   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 204   | 1    | 1       | 1      | 16    | 1   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 205   | 1    | 1       | 1      | 16    | 1   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 206   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 207   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 208   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 209   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 210   | 1    | 1       | 1      | 16    | 2   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 211   | 1    | 1       | 1      | 16    | 2   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 212   | 1    | 1       | 1      | 16    | 2   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 213   | 1    | 1       | 1      | 16    | 2   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 214   | 1    | 1       | 1      | 16    | 16  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 215   | 1    | 1       | 1      | 16    | 16  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 216   | 1    | 1       | 1      | 16    | 16  | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 217   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 218   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 219   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 220   | 1    | 1       | 1      | 0     | 0   | 0 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 221   | 1    | 1       | 1      | 17    | 4   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 222   | 1    | 1       | 1      | 17    | 4   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 223   | 1    | 1       | 1      | 17    | 5   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 224   | 1    | 1       | 1      | 17    | 5   | 1 | 10000 | 0   | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

UNCLASSIFIED \* \* \* \* \*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | T     | LOAD | NEXT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 225   | 1    | 1       | 1      | 17    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 226   | 1    | 1       | 1      | 17    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 227   | 1    | 1       | 1      | 17    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 228   | 1    | 1       | 1      | 17    | 11  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 229   | 1    | 1       | 1      | 17    | 12  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 230   | 1    | 1       | 1      | 17    | 13  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 231   | 1    | 1       | 1      | 18    | 4   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 232   | 1    | 1       | 1      | 18    | 4   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 233   | 1    | 1       | 1      | 18    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 234   | 1    | 1       | 1      | 18    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 235   | 1    | 1       | 1      | 18    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 236   | 1    | 1       | 1      | 18    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 237   | 1    | 1       | 1      | 18    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 238   | 1    | 1       | 1      | 18    | 11  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 239   | 1    | 1       | 1      | 18    | 12  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 240   | 1    | 1       | 1      | 18    | 13  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 241   | 1    | 1       | 1      | 19    | 4   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 242   | 1    | 1       | 1      | 19    | 4   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 243   | 1    | 1       | 1      | 19    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 244   | 1    | 1       | 1      | 19    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 245   | 1    | 1       | 1      | 19    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 246   | 1    | 1       | 1      | 19    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 247   | 1    | 1       | 1      | 19    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 248   | 1    | 1       | 1      | 19    | 11  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 249   | 1    | 1       | 1      | 19    | 12  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 250   | 1    | 1       | 1      | 19    | 13  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 251   | 1    | 1       | 1      | 20    | 4   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 252   | 1    | 1       | 1      | 20    | 4   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 253   | 1    | 1       | 1      | 20    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 254   | 1    | 1       | 1      | 20    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 255   | 1    | 1       | 1      | 20    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 256   | 1    | 1       | 1      | 20    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 257   | 1    | 1       | 1      | 20    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 258   | 1    | 1       | 1      | 20    | 11  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 259   | 1    | 1       | 1      | 20    | 12  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 260   | 1    | 1       | 1      | 20    | 13  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 261   | 1    | 1       | 1      | 21    | 4   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 262   | 1    | 1       | 1      | 21    | 4   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 263   | 1    | 1       | 1      | 21    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 264   | 1    | 1       | 1      | 21    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 265   | 1    | 1       | 1      | 21    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 266   | 1    | 1       | 1      | 21    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 267   | 1    | 1       | 1      | 21    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 268   | 1    | 1       | 1      | 21    | 11  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 269   | 1    | 1       | 1      | 21    | 12  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 270   | 1    | 1       | 1      | 21    | 13  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 271   | 1    | 1       | 1      | 22    | 4   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 272   | 1    | 1       | 1      | 22    | 4   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 273   | 1    | 1       | 1      | 22    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 274   | 1    | 1       | 1      | 22    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 275   | 1    | 1       | 1      | 22    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 276   | 1    | 1       | 1      | 22    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 277   | 1    | 1       | 1      | 22    | 5   | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 278   | 1    | 1       | 1      | 22    | 11  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 279   | 1    | 1       | 1      | 22    | 12  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 280   | 1    | 1       | 1      | 22    | 13  | 10000 |      |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

\*\*\*\*\* ITRUCK DATA \*\*\*\*\*

| ITRUCK | TYPE | MISSION | STATUS | OWNER | MIX | 3     | LOAD | NEXT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|--------|------|---------|--------|-------|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 281    | 1    | 1       | 1      | 23    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 282    | 1    | 1       | 1      | 23    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 283    | 1    | 1       | 1      | 23    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 284    | 1    | 1       | 1      | 23    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 285    | 1    | 1       | 1      | 23    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 286    | 1    | 1       | 1      | 23    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 287    | 1    | 1       | 1      | 23    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 288    | 1    | 1       | 1      | 23    | 11  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 289    | 1    | 1       | 1      | 23    | 12  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 290    | 1    | 1       | 1      | 23    | 13  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 291    | 1    | 1       | 1      | 24    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 292    | 1    | 1       | 1      | 24    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 293    | 1    | 1       | 1      | 24    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 294    | 1    | 1       | 1      | 24    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 295    | 1    | 1       | 1      | 24    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 296    | 1    | 1       | 1      | 24    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 297    | 1    | 1       | 1      | 24    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 298    | 1    | 1       | 1      | 24    | 11  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 299    | 1    | 1       | 1      | 24    | 12  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 300    | 1    | 1       | 1      | 24    | 13  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 301    | 1    | 1       | 1      | 25    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 302    | 1    | 1       | 1      | 25    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 303    | 1    | 1       | 1      | 25    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 304    | 1    | 1       | 1      | 25    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 305    | 1    | 1       | 1      | 25    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 306    | 1    | 1       | 1      | 25    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 307    | 1    | 1       | 1      | 25    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 308    | 1    | 1       | 1      | 25    | 11  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 309    | 1    | 1       | 1      | 25    | 12  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 310    | 1    | 1       | 1      | 25    | 13  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 311    | 1    | 1       | 1      | 26    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 312    | 1    | 1       | 1      | 26    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 313    | 1    | 1       | 1      | 26    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 314    | 1    | 1       | 1      | 26    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 315    | 1    | 1       | 1      | 26    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 316    | 1    | 1       | 1      | 26    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 317    | 1    | 1       | 1      | 26    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 318    | 1    | 1       | 1      | 26    | 11  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 319    | 1    | 1       | 1      | 26    | 12  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 320    | 1    | 1       | 1      | 26    | 13  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 321    | 1    | 1       | 1      | 27    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 322    | 1    | 1       | 1      | 27    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 323    | 1    | 1       | 1      | 27    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 324    | 1    | 1       | 1      | 27    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 325    | 1    | 1       | 1      | 27    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 326    | 1    | 1       | 1      | 27    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 327    | 1    | 1       | 1      | 27    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 328    | 1    | 1       | 1      | 27    | 11  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 329    | 1    | 1       | 1      | 27    | 12  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 330    | 1    | 1       | 1      | 27    | 13  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 331    | 1    | 1       | 1      | 28    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 332    | 1    | 1       | 1      | 28    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 333    | 1    | 1       | 1      | 28    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 334    | 1    | 1       | 1      | 28    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 335    | 1    | 1       | 1      | 28    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 336    | 1    | 1       | 1      | 28    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | HIX | LOAD  | NEKI | FAIL | KNTR1 | KNTR2 | KNTR3 | KNTR4 | KNTR5 | KNTR6 | KNTR7 | KNTR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 337   | 1    | 1       | 1      | 28    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 338   | 1    | 1       | 1      | 28    | 11  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 339   | 1    | 1       | 1      | 26    | 12  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 340   | 1    | 1       | 1      | 28    | 13  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 341   | 1    | 1       | 1      | 29    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 342   | 1    | 1       | 1      | 29    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 343   | 1    | 1       | 1      | 29    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 344   | 1    | 1       | 1      | 29    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 345   | 1    | 1       | 1      | 29    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 346   | 1    | 1       | 1      | 29    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 347   | 1    | 1       | 1      | 29    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 348   | 1    | 1       | 1      | 29    | 11  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 349   | 1    | 1       | 1      | 29    | 12  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 350   | 1    | 1       | 1      | 29    | 13  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 351   | 1    | 1       | 1      | 30    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 352   | 1    | 1       | 1      | 30    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 353   | 1    | 1       | 1      | 30    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 354   | 1    | 1       | 1      | 30    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 355   | 1    | 1       | 1      | 30    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 356   | 1    | 1       | 1      | 30    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 357   | 1    | 1       | 1      | 30    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 358   | 1    | 1       | 1      | 30    | 11  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 359   | 1    | 1       | 1      | 30    | 12  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 360   | 1    | 1       | 1      | 30    | 13  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 361   | 1    | 1       | 1      | 31    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 362   | 1    | 1       | 1      | 31    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 363   | 1    | 1       | 1      | 31    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 364   | 1    | 1       | 1      | 31    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 365   | 1    | 1       | 1      | 31    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 366   | 1    | 1       | 1      | 31    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 367   | 1    | 1       | 1      | 31    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 368   | 1    | 1       | 1      | 31    | 11  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 369   | 1    | 1       | 1      | 31    | 12  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 370   | 1    | 1       | 1      | 31    | 13  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 371   | 1    | 1       | 1      | 32    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 372   | 1    | 1       | 1      | 32    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 373   | 1    | 1       | 1      | 32    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 374   | 1    | 1       | 1      | 32    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 375   | 1    | 1       | 1      | 32    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 376   | 1    | 1       | 1      | 32    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 377   | 1    | 1       | 1      | 32    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 378   | 1    | 1       | 1      | 32    | 11  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 379   | 1    | 1       | 1      | 32    | 12  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 380   | 1    | 1       | 1      | 32    | 13  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 381   | 1    | 1       | 1      | 33    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 382   | 1    | 1       | 1      | 33    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 383   | 1    | 1       | 1      | 33    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 384   | 1    | 1       | 1      | 33    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 385   | 1    | 1       | 1      | 33    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 386   | 1    | 1       | 1      | 33    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 387   | 1    | 1       | 1      | 33    | 5   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 388   | 1    | 1       | 1      | 33    | 11  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 389   | 1    | 1       | 1      | 33    | 12  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 390   | 1    | 1       | 1      | 33    | 13  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 391   | 1    | 1       | 1      | 34    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 392   | 1    | 1       | 1      | 34    | 4   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | R     | LOAD | NEXT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 393   | 1    | 1       | 1      | 34    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 394   | 1    | 1       | 1      | 34    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 395   | 1    | 1       | 1      | 34    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 396   | 1    | 1       | 1      | 34    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 397   | 1    | 1       | 1      | 34    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 398   | 1    | 1       | 1      | 34    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 399   | 1    | 1       | 1      | 34    | 11  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 400   | 1    | 1       | 1      | 34    | 12  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 401   | 1    | 1       | 1      | 34    | 13  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 402   | 1    | 1       | 1      | 35    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 403   | 1    | 1       | 1      | 35    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 404   | 1    | 1       | 1      | 35    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 405   | 1    | 1       | 1      | 35    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 406   | 1    | 1       | 1      | 35    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 407   | 1    | 1       | 1      | 35    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 408   | 1    | 1       | 1      | 35    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 409   | 1    | 1       | 1      | 35    | 11  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 410   | 1    | 1       | 1      | 35    | 12  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 411   | 1    | 1       | 1      | 35    | 13  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 412   | 1    | 1       | 1      | 36    | 4   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 413   | 1    | 1       | 1      | 36    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 414   | 1    | 1       | 1      | 36    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 415   | 1    | 1       | 1      | 36    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 416   | 1    | 1       | 1      | 36    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 417   | 1    | 1       | 1      | 36    | 5   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 418   | 1    | 1       | 1      | 36    | 11  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 419   | 1    | 1       | 1      | 36    | 12  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 420   | 1    | 1       | 1      | 36    | 13  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 421   | 1    | 1       | 1      | 37    | 6   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 422   | 1    | 1       | 1      | 37    | 6   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 423   | 1    | 1       | 1      | 37    | 6   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 424   | 1    | 1       | 1      | 37    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 425   | 1    | 1       | 1      | 37    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 426   | 1    | 1       | 1      | 37    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 427   | 1    | 1       | 1      | 37    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 428   | 1    | 1       | 1      | 37    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 429   | 1    | 1       | 1      | 37    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 430   | 1    | 1       | 1      | 37    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 431   | 1    | 1       | 1      | 37    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 432   | 1    | 1       | 1      | 37    | 15  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 433   | 1    | 1       | 1      | 37    | 15  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 434   | 1    | 1       | 1      | 38    | 6   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 435   | 1    | 1       | 1      | 38    | 6   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 436   | 1    | 1       | 1      | 38    | 6   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 437   | 1    | 1       | 1      | 38    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 438   | 1    | 1       | 1      | 38    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 439   | 1    | 1       | 1      | 38    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 440   | 1    | 1       | 1      | 38    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 441   | 1    | 1       | 1      | 38    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 442   | 1    | 1       | 1      | 38    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 443   | 1    | 1       | 1      | 38    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 444   | 1    | 1       | 1      | 38    | 7   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 445   | 1    | 1       | 1      | 38    | 15  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 446   | 1    | 1       | 1      | 38    | 15  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 447   | 1    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 448   | 1    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Listing 9. ITRUCK Array (Cont'd)

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | 1     | LOAD | NEXT | FAIL | KNTR1 | KNTR2 | KNTR3 | KNTR4 | KNTR5 | KNTR6 | KNTR7 | KNTR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 449   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 450   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 451   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 452   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 453   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 454   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 455   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 456   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 457   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 458   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 459   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 460   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 461   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 462   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 463   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 464   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 465   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 466   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 467   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 468   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 469   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 470   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 471   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 472   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 473   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 474   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 475   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 476   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 477   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 478   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 479   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 480   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 481   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 482   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 483   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 484   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 485   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 486   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 487   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 488   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 489   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 490   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 491   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 492   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 493   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 494   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 495   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 496   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 497   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 498   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 499   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 500   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 501   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 502   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 503   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 504   | 4    | 1       | 1      | 39    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Listing 9. ITRUCK Array (Cont'd)

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD  | HEAVY | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 505   | 1    | 1       | 1      | 42    | 40  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 506   | 1    | 1       | 1      | 42    | 40  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 507   | 1    | 1       | 1      | 42    | 40  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 508   | 1    | 1       | 1      | 42    | 40  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 509   | 1    | 1       | 1      | 43    | 40  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 510   | 1    | 1       | 1      | 43    | 40  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 511   | 1    | 1       | 1      | 43    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 512   | 1    | 1       | 1      | 43    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 513   | 1    | 1       | 1      | 43    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 514   | 1    | 1       | 1      | 43    | 11  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 515   | 1    | 1       | 1      | 43    | 12  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 516   | 1    | 1       | 1      | 43    | 13  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 517   | 1    | 1       | 1      | 0     | 0   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 518   | 1    | 1       | 1      | 0     | 0   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 519   | 1    | 1       | 1      | 44    | 4   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 520   | 1    | 1       | 1      | 44    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 521   | 1    | 1       | 1      | 44    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 522   | 1    | 1       | 1      | 44    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 523   | 1    | 1       | 1      | 44    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 524   | 1    | 1       | 1      | 44    | 11  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 525   | 1    | 1       | 1      | 44    | 12  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 526   | 1    | 1       | 1      | 44    | 13  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 527   | 1    | 1       | 1      | 0     | 0   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 528   | 1    | 1       | 1      | 0     | 0   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 529   | 1    | 1       | 1      | 45    | 4   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 530   | 1    | 1       | 1      | 45    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 531   | 1    | 1       | 1      | 45    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 532   | 1    | 1       | 1      | 45    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 533   | 1    | 1       | 1      | 45    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 534   | 1    | 1       | 1      | 45    | 11  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 535   | 1    | 1       | 1      | 45    | 12  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 536   | 1    | 1       | 1      | 45    | 13  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 537   | 1    | 1       | 1      | 0     | 0   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 538   | 1    | 1       | 1      | 0     | 0   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 539   | 1    | 1       | 1      | 46    | 4   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 540   | 1    | 1       | 1      | 46    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 541   | 1    | 1       | 1      | 46    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 542   | 1    | 1       | 1      | 46    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 543   | 1    | 1       | 1      | 46    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 544   | 1    | 1       | 1      | 46    | 11  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 545   | 1    | 1       | 1      | 46    | 12  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 546   | 1    | 1       | 1      | 46    | 13  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 547   | 1    | 1       | 1      | 0     | 0   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 548   | 1    | 1       | 1      | 0     | 0   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 549   | 1    | 1       | 1      | 47    | 4   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 550   | 1    | 1       | 1      | 47    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 551   | 1    | 1       | 1      | 47    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 552   | 1    | 1       | 1      | 47    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 553   | 1    | 1       | 1      | 47    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 554   | 1    | 1       | 1      | 47    | 11  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 555   | 1    | 1       | 1      | 47    | 12  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 556   | 1    | 1       | 1      | 47    | 13  | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 557   | 1    | 1       | 1      | 0     | 0   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 558   | 1    | 1       | 1      | 0     | 0   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 559   | 1    | 1       | 1      | 48    | 4   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 560   | 1    | 1       | 1      | 48    | 5   | 10000 | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | R     | LOAD | NEXT | FAIL | U121 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 561   | 1    | 1       | 1      | 48    | 5   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 562   | 1    | 1       | 1      | 48    | 5   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 563   | 1    | 1       | 1      | 48    | 5   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 564   | 1    | 1       | 1      | 48    | 11  | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 565   | 1    | 1       | 1      | 48    | 12  | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 566   | 1    | 1       | 1      | 48    | 13  | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 567   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 568   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 569   | 1    | 1       | 1      | 49    | 6   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 570   | 1    | 1       | 1      | 49    | 6   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 571   | 1    | 1       | 1      | 49    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 572   | 1    | 1       | 1      | 49    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 573   | 1    | 1       | 1      | 49    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 574   | 1    | 1       | 1      | 49    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 575   | 1    | 1       | 1      | 49    | 15  | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 576   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 577   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 578   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 579   | 1    | 1       | 1      | 50    | 6   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 580   | 1    | 1       | 1      | 50    | 6   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 581   | 1    | 1       | 1      | 50    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 582   | 1    | 1       | 1      | 50    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 583   | 1    | 1       | 1      | 50    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 584   | 1    | 1       | 1      | 50    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 585   | 1    | 1       | 1      | 50    | 15  | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 586   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 587   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 588   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 589   | 1    | 1       | 1      | 51    | 6   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 590   | 1    | 1       | 1      | 51    | 6   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 591   | 1    | 1       | 1      | 51    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 592   | 1    | 1       | 1      | 51    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 593   | 1    | 1       | 1      | 51    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 594   | 1    | 1       | 1      | 51    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 595   | 1    | 1       | 1      | 51    | 15  | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 596   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 597   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 598   | 1    | 1       | 1      | 0     | 0   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 599   | 1    | 1       | 1      | 52    | 6   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 600   | 1    | 1       | 1      | 52    | 6   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 601   | 1    | 1       | 1      | 52    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 602   | 1    | 1       | 1      | 52    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 603   | 1    | 1       | 1      | 52    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 604   | 1    | 1       | 1      | 52    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 605   | 1    | 1       | 1      | 52    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 606   | 1    | 1       | 1      | 52    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 607   | 1    | 1       | 1      | 52    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 608   | 1    | 1       | 1      | 52    | 15  | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 609   | 1    | 1       | 1      | 53    | 6   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 610   | 1    | 1       | 1      | 53    | 6   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 611   | 1    | 1       | 1      | 53    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 612   | 1    | 1       | 1      | 53    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 613   | 1    | 1       | 1      | 53    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 614   | 1    | 1       | 1      | 53    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 615   | 1    | 1       | 1      | 53    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 616   | 1    | 1       | 1      | 53    | 7   | 10000 | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

TRUCK TYPE MISSION STATUS OWNER MIN LOAD NEXT FAIL KNTR1 KNTR2 KNTR3 KNTR4 KNTR5 KNTR6 KNTR7 KNTR8

|     |   |   |   |    |    |       |   |   |   |   |   |   |   |   |   |   |
|-----|---|---|---|----|----|-------|---|---|---|---|---|---|---|---|---|---|
| 617 | 1 | 1 | 1 | 53 | 7  | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 618 | 1 | 1 | 1 | 53 | 15 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 619 | 1 | 1 | 1 | 54 | 6  | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 620 | 1 | 1 | 1 | 54 | 6  | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 621 | 1 | 1 | 1 | 54 | 7  | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 622 | 1 | 1 | 1 | 54 | 7  | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 623 | 1 | 1 | 1 | 54 | 7  | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 624 | 1 | 1 | 1 | 54 | 7  | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 625 | 1 | 1 | 1 | 54 | 7  | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 626 | 1 | 1 | 1 | 54 | 7  | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 627 | 1 | 1 | 1 | 54 | 7  | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 628 | 1 | 1 | 1 | 54 | 15 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 629 | 4 | 1 | 1 | 55 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 630 | 4 | 1 | 1 | 55 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 631 | 4 | 1 | 1 | 55 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 632 | 4 | 1 | 1 | 55 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 633 | 4 | 1 | 1 | 55 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 634 | 4 | 1 | 1 | 55 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 635 | 4 | 1 | 1 | 55 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 636 | 4 | 1 | 1 | 55 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 637 | 4 | 1 | 1 | 55 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 638 | 4 | 1 | 1 | 55 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 639 | 4 | 1 | 1 | 55 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 640 | 4 | 1 | 1 | 55 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 641 | 4 | 1 | 1 | 55 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 642 | 4 | 1 | 1 | 55 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 643 | 4 | 1 | 1 | 55 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 644 | 4 | 1 | 1 | 55 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 645 | 4 | 1 | 1 | 55 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 646 | 4 | 1 | 1 | 55 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 647 | 4 | 1 | 1 | 56 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 648 | 4 | 1 | 1 | 56 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 649 | 4 | 1 | 1 | 56 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 650 | 4 | 1 | 1 | 56 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 651 | 4 | 1 | 1 | 56 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 652 | 4 | 1 | 1 | 56 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 653 | 4 | 1 | 1 | 56 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 654 | 4 | 1 | 1 | 56 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 655 | 4 | 1 | 1 | 56 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 656 | 4 | 1 | 1 | 56 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 657 | 4 | 1 | 1 | 56 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 658 | 4 | 1 | 1 | 56 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 659 | 4 | 1 | 1 | 56 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 660 | 4 | 1 | 1 | 56 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 661 | 4 | 1 | 1 | 56 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 662 | 4 | 1 | 1 | 56 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 663 | 4 | 1 | 1 | 56 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 664 | 4 | 1 | 1 | 56 | 40 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 665 | 4 | 1 | 1 | 57 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 666 | 4 | 1 | 1 | 57 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 667 | 4 | 1 | 1 | 57 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 668 | 4 | 1 | 1 | 57 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 669 | 4 | 1 | 1 | 57 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 670 | 4 | 1 | 1 | 57 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 671 | 4 | 1 | 1 | 57 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 672 | 4 | 1 | 1 | 57 | 10 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Listing 9. ITRUCK Array (Cont'd)

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD  | NEXT | FAIL | KNTR1 | KNTR2 | KNTR3 | KNTR4 | KNTR5 | KNTR6 | KNTR7 | KNTR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 673   | 4    | 1       | 1      | 57    | 10  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 674   | 4    | 1       | 1      | 57    | 40  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 675   | 4    | 1       | 1      | 57    | 40  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 676   | 4    | 1       | 1      | 57    | 40  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 677   | 4    | 1       | 1      | 57    | 40  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 678   | 4    | 1       | 1      | 57    | 40  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 679   | 4    | 1       | 1      | 57    | 40  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 680   | 4    | 1       | 1      | 57    | 40  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 681   | 4    | 1       | 1      | 57    | 40  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 682   | 4    | 1       | 1      | 57    | 40  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 683   | 1    | 1       | 1      | 58    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 684   | 1    | 1       | 1      | 58    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 685   | 1    | 1       | 1      | 58    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 686   | 1    | 1       | 1      | 58    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 687   | 1    | 1       | 1      | 56    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 688   | 1    | 1       | 1      | 58    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 689   | 1    | 1       | 1      | 58    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 690   | 1    | 1       | 1      | 58    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 691   | 1    | 1       | 1      | 58    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 692   | 1    | 1       | 1      | 58    | 15  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 693   | 1    | 1       | 1      | 59    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 694   | 1    | 1       | 1      | 59    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 695   | 1    | 1       | 1      | 59    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 696   | 1    | 1       | 1      | 59    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 697   | 1    | 1       | 1      | 59    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 698   | 1    | 1       | 1      | 59    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 699   | 1    | 1       | 1      | 59    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 700   | 1    | 1       | 1      | 59    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 701   | 1    | 1       | 1      | 59    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 702   | 1    | 1       | 1      | 59    | 15  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 703   | 1    | 1       | 1      | 60    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 704   | 1    | 1       | 1      | 60    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 705   | 1    | 1       | 1      | 60    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 706   | 1    | 1       | 1      | 60    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 707   | 1    | 1       | 1      | 60    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 708   | 1    | 1       | 1      | 60    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 709   | 1    | 1       | 1      | 60    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 710   | 1    | 1       | 1      | 60    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 711   | 1    | 1       | 1      | 60    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 712   | 1    | 1       | 1      | 60    | 15  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 713   | 1    | 1       | 1      | 61    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 714   | 1    | 1       | 1      | 61    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 715   | 1    | 1       | 1      | 61    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 716   | 1    | 1       | 1      | 61    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 717   | 1    | 1       | 1      | 61    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 718   | 1    | 1       | 1      | 61    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 719   | 1    | 1       | 1      | 61    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 720   | 1    | 1       | 1      | 61    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 721   | 1    | 1       | 1      | 61    | 15  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 722   | 1    | 1       | 1      | 61    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 723   | 1    | 1       | 1      | 62    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 724   | 1    | 1       | 1      | 62    | 6   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 725   | 1    | 1       | 1      | 62    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 726   | 1    | 1       | 1      | 62    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 727   | 1    | 1       | 1      | 62    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 728   | 1    | 1       | 1      | 62    | 7   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Listing 9. ITRUCK Array (Cont'd)

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD  | NEXT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 729   | 1    | 1       | 1      | 62    | 7   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 730   | 1    | 1       | 1      | 62    | 7   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 731   | 1    | 1       | 1      | 62    | 7   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 732   | 1    | 1       | 1      | 62    | 15  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 733   | 1    | 1       | 1      | 63    | 6   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 734   | 1    | 1       | 1      | 63    | 6   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 735   | 1    | 1       | 1      | 63    | 7   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 736   | 1    | 1       | 1      | 63    | 7   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 737   | 1    | 1       | 1      | 63    | 7   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 738   | 1    | 1       | 1      | 63    | 7   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 739   | 1    | 1       | 1      | 63    | 7   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 740   | 1    | 1       | 1      | 63    | 7   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 741   | 1    | 1       | 1      | 63    | 7   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 742   | 1    | 1       | 1      | 63    | 15  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 743   | 1    | 1       | 1      | 64    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 744   | 1    | 1       | 1      | 64    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 745   | 1    | 1       | 1      | 64    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 746   | 1    | 1       | 1      | 64    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 747   | 1    | 1       | 1      | 64    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 748   | 1    | 1       | 1      | 64    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 749   | 1    | 1       | 1      | 64    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 750   | 1    | 1       | 1      | 64    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 751   | 1    | 1       | 1      | 64    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 752   | 1    | 1       | 1      | 64    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 753   | 1    | 1       | 1      | 64    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 754   | 1    | 1       | 1      | 64    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 755   | 1    | 1       | 1      | 64    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 756   | 1    | 1       | 1      | 64    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 757   | 1    | 1       | 1      | 64    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 758   | 1    | 1       | 1      | 64    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 759   | 1    | 1       | 1      | 64    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 760   | 1    | 1       | 1      | 64    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 761   | 1    | 1       | 1      | 65    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 762   | 1    | 1       | 1      | 65    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 763   | 1    | 1       | 1      | 65    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 764   | 1    | 1       | 1      | 65    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 765   | 1    | 1       | 1      | 65    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 766   | 1    | 1       | 1      | 65    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 767   | 1    | 1       | 1      | 65    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 768   | 1    | 1       | 1      | 65    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 769   | 1    | 1       | 1      | 65    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 770   | 1    | 1       | 1      | 65    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 771   | 1    | 1       | 1      | 65    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 772   | 1    | 1       | 1      | 65    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 773   | 1    | 1       | 1      | 65    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 774   | 1    | 1       | 1      | 65    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 775   | 1    | 1       | 1      | 65    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 776   | 1    | 1       | 1      | 65    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 777   | 1    | 1       | 1      | 65    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 778   | 1    | 1       | 1      | 65    | 40  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 779   | 1    | 1       | 1      | 66    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 780   | 1    | 1       | 1      | 66    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 781   | 1    | 1       | 1      | 66    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 782   | 1    | 1       | 1      | 66    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 783   | 1    | 1       | 1      | 66    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 784   | 1    | 1       | 1      | 66    | 10  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Listing 9. ITRUCK Array (Cont'd)

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | R     | LOAD | NEXT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 785   | 4    | 1       | 1      | 66    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 786   | 4    | 1       | 1      | 66    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 787   | 4    | 1       | 1      | 66    | 10  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 788   | 4    | 1       | 1      | 66    | 40  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 789   | 4    | 1       | 1      | 66    | 40  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 790   | 4    | 1       | 1      | 66    | 40  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 791   | 4    | 1       | 1      | 66    | 40  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 792   | 4    | 1       | 1      | 66    | 40  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 793   | 4    | 1       | 1      | 66    | 40  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 794   | 4    | 1       | 1      | 66    | 40  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 795   | 4    | 1       | 1      | 66    | 40  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 796   | 4    | 1       | 1      | 66    | 40  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 797   | 1    | 1       | 1      | 67    | 18  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 798   | 1    | 1       | 1      | 67    | 18  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 799   | 1    | 1       | 1      | 68    | 18  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 800   | 1    | 1       | 1      | 68    | 18  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 801   | 1    | 1       | 1      | 69    | 18  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 802   | 1    | 1       | 1      | 69    | 18  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 803   | 1    | 1       | 1      | 70    | 18  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 804   | 1    | 1       | 1      | 71    | 18  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 805   | 1    | 1       | 1      | 71    | 18  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 806   | 1    | 1       | 1      | 72    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 807   | 1    | 1       | 1      | 72    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 808   | 1    | 1       | 1      | 72    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 809   | 1    | 1       | 1      | 72    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 810   | 1    | 1       | 1      | 72    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 811   | 1    | 1       | 1      | 72    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 812   | 1    | 1       | 1      | 72    | 14  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 813   | 1    | 1       | 1      | 73    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 814   | 1    | 1       | 1      | 73    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 815   | 1    | 1       | 1      | 73    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 816   | 1    | 1       | 1      | 73    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 817   | 1    | 1       | 1      | 73    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 818   | 1    | 1       | 1      | 73    | 14  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 819   | 1    | 1       | 1      | 74    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 820   | 1    | 1       | 1      | 74    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 821   | 1    | 1       | 1      | 74    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 822   | 1    | 1       | 1      | 74    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 823   | 1    | 1       | 1      | 74    | 9   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 824   | 1    | 1       | 1      | 74    | 14  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 825   | 1    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 826   | 6    | 5       | 3      | 0     | 91  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 827   | 6    | 5       | 3      | 0     | 91  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 828   | 6    | 5       | 3      | 0     | 91  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 829   | 6    | 5       | 3      | 0     | 91  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 830   | 6    | 5       | 3      | 0     | 91  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 831   | 6    | 5       | 3      | 0     | 91  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 832   | 6    | 5       | 3      | 0     | 91  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 833   | 6    | 5       | 3      | 0     | 91  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 834   | 6    | 5       | 3      | 0     | 91  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 835   | 6    | 5       | 3      | 0     | 91  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 836   | 5    | 2       | 2      | 76    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 837   | 5    | 2       | 2      | 76    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 838   | 5    | 2       | 2      | 76    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 839   | 5    | 2       | 2      | 76    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 840   | 5    | 2       | 2      | 76    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | K     | LOAD | NEXT | FAIL | KNIR1 | KNIR2 | KNIR3 | 4NTR4 | 4NTR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 841   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 842   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 843   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 844   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 845   | 5    | 2       | 2      | 76    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 846   | 5    | 2       | 2      | 76    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 847   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 848   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 849   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 850   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 851   | 5    | 2       | 2      | 76    | 80  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 852   | 5    | 2       | 4      | 76    | 80  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 853   | 5    | 2       | 4      | 76    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 854   | 5    | 2       | 4      | 76    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 855   | 5    | 2       | 4      | 76    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 856   | 5    | 2       | 4      | 76    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 857   | 5    | 2       | 4      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 858   | 5    | 2       | 4      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 859   | 5    | 2       | 4      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 860   | 5    | 2       | 4      | 76    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 861   | 5    | 2       | 4      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 862   | 5    | 2       | 4      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 863   | 5    | 2       | 4      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 864   | 5    | 2       | 4      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 865   | 5    | 2       | 2      | 76    | U   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 866   | 5    | 2       | 2      | 77    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 867   | 5    | 2       | 2      | 77    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 868   | 5    | 2       | 2      | 77    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 869   | 5    | 2       | 2      | 77    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 870   | 5    | 2       | 2      | 77    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 871   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 872   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 873   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 874   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 875   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 876   | 5    | 2       | 2      | 77    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 877   | 5    | 2       | 2      | 77    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 878   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 879   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 880   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 881   | 5    | 2       | 2      | 77    | 80  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 882   | 5    | 2       | 4      | 77    | 80  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 883   | 5    | 2       | 4      | 77    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 884   | 5    | 2       | 4      | 77    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 885   | 5    | 2       | 4      | 77    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 886   | 5    | 2       | 4      | 77    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 887   | 5    | 2       | 4      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 888   | 5    | 2       | 4      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 889   | 5    | 2       | 4      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 890   | 5    | 2       | 4      | 77    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 891   | 5    | 2       | 4      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 892   | 5    | 2       | 4      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 893   | 5    | 2       | 4      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 894   | 5    | 2       | 4      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 895   | 5    | 2       | 2      | 77    | U   | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 896   | 5    | 2       | 2      | 78    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Listing 9. ITRUCK Array (Cont'd)

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | E     | LOAD | NEXT | FAIL | KN181 | KN182 | KN183 | KN184 | KN185 | KN186 | KN187 | KN188 |
|-------|------|---------|--------|-------|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 841   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 842   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 843   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 844   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 845   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 846   | 5    | 2       | 2      | 76    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 847   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 848   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 849   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 850   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 851   | 5    | 2       | 2      | 76    | 80  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 852   | 5    | 2       | 2      | 76    | 80  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 853   | 5    | 2       | 2      | 76    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 854   | 5    | 2       | 2      | 76    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 855   | 5    | 2       | 2      | 76    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 856   | 5    | 2       | 2      | 76    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 857   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 858   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 859   | 5    | 2       | 2      | 76    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 860   | 5    | 2       | 2      | 76    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 861   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 862   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 863   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 864   | 5    | 2       | 2      | 76    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 865   | 5    | 2       | 2      | 76    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 866   | 5    | 2       | 2      | 77    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 867   | 5    | 2       | 2      | 77    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 868   | 5    | 2       | 2      | 77    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 869   | 5    | 2       | 2      | 77    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 870   | 5    | 2       | 2      | 77    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 871   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 872   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 873   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 874   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 875   | 5    | 2       | 2      | 77    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 876   | 5    | 2       | 2      | 77    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 877   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 878   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 879   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 880   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 881   | 5    | 2       | 2      | 77    | 80  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 882   | 5    | 2       | 2      | 77    | 80  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 883   | 5    | 2       | 2      | 77    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 884   | 5    | 2       | 2      | 77    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 885   | 5    | 2       | 2      | 77    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 886   | 5    | 2       | 2      | 77    | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 887   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 888   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 889   | 5    | 2       | 2      | 77    | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 890   | 5    | 2       | 2      | 77    | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 891   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 892   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 893   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 894   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 895   | 5    | 2       | 2      | 77    | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 896   | 5    | 2       | 2      | 78    | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Listing 9. ITRUCK Array (Cont'd)

UNCLASSIFIED \* \* \* \* \*  
\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD  | WEIGHT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 897   | 5    | 2       | 2      | 78    | 61  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 898   | 5    | 2       | 2      | 78    | 61  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 899   | 5    | 2       | 2      | 78    | 62  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 900   | 5    | 2       | 2      | 78    | 62  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 901   | 5    | 2       | 2      | 78    | 63  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 902   | 5    | 2       | 2      | 78    | 63  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 903   | 5    | 2       | 2      | 78    | 63  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 904   | 5    | 2       | 2      | 78    | 63  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 905   | 5    | 2       | 2      | 78    | 64  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 906   | 5    | 2       | 2      | 78    | 64  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 907   | 5    | 2       | 2      | 78    | 65  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 908   | 5    | 2       | 2      | 78    | 65  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 909   | 5    | 2       | 2      | 78    | 65  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 910   | 5    | 2       | 2      | 78    | 65  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 911   | 5    | 2       | 2      | 78    | 80  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 912   | 5    | 2       | 4      | 78    | 80  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 913   | 5    | 2       | 4      | 78    | 61  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 914   | 5    | 2       | 4      | 78    | 61  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 915   | 5    | 2       | 4      | 78    | 62  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 916   | 5    | 2       | 4      | 78    | 62  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 917   | 5    | 2       | 4      | 78    | 63  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 918   | 5    | 2       | 4      | 78    | 63  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 919   | 5    | 2       | 4      | 78    | 63  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 920   | 5    | 2       | 4      | 78    | 63  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 921   | 5    | 2       | 4      | 78    | 65  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 922   | 5    | 2       | 4      | 78    | 65  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 923   | 5    | 2       | 4      | 78    | 65  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 924   | 5    | 2       | 4      | 78    | 65  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 925   | 5    | 2       | 4      | 78    | 65  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 926   | 5    | 2       | 2      | 79    | 66  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 927   | 5    | 2       | 2      | 79    | 66  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 928   | 5    | 2       | 2      | 79    | 67  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 929   | 5    | 2       | 2      | 79    | 67  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 930   | 5    | 2       | 2      | 79    | 67  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 931   | 5    | 2       | 2      | 79    | 68  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 932   | 5    | 2       | 2      | 79    | 68  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 933   | 5    | 2       | 2      | 79    | 68  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 934   | 5    | 2       | 2      | 79    | 80  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 935   | 5    | 2       | 2      | 79    | 69  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 936   | 5    | 2       | 2      | 79    | 69  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 937   | 5    | 2       | 2      | 79    | 69  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 938   | 5    | 2       | 2      | 79    | 69  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 939   | 5    | 2       | 2      | 79    | 70  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 940   | 5    | 2       | 2      | 79    | 70  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 941   | 5    | 2       | 2      | 79    | 70  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 942   | 5    | 2       | 2      | 79    | 70  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 943   | 5    | 2       | 2      | 79    | 70  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 944   | 5    | 2       | 4      | 79    | 66  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 945   | 5    | 2       | 4      | 79    | 66  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 946   | 5    | 2       | 4      | 79    | 67  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 947   | 5    | 2       | 4      | 79    | 67  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 948   | 5    | 2       | 4      | 79    | 67  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 949   | 5    | 2       | 4      | 79    | 68  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 950   | 5    | 2       | 4      | 79    | 68  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 951   | 5    | 2       | 4      | 79    | 80  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 952   | 5    | 2       | 4      | 79    | 69  | 10000 | 0      | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD  | NEXT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 953   | S    | 2       | 4      | 79    | 69  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 954   | S    | 2       | 4      | 79    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 955   | S    | 2       | 4      | 79    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 956   | S    | 2       | 4      | 79    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 957   | S    | 2       | 4      | 79    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 958   | S    | 2       | 4      | 79    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 959   | S    | 2       | 2      | 79    | 0   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 960   | S    | 2       | 2      | 79    | 0   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 961   | S    | 2       | 2      | 80    | 66  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 962   | S    | 2       | 2      | 80    | 66  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 963   | S    | 2       | 2      | 80    | 67  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 964   | S    | 2       | 2      | 80    | 67  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 965   | S    | 2       | 2      | 80    | 67  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 966   | S    | 2       | 2      | 80    | 68  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 967   | S    | 2       | 2      | 80    | 68  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 968   | S    | 2       | 2      | 80    | 68  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 969   | S    | 2       | 2      | 80    | 80  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 970   | S    | 2       | 2      | 80    | 66  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 971   | S    | 2       | 2      | 80    | 67  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 972   | S    | 2       | 2      | 80    | 68  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 973   | S    | 2       | 2      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 974   | S    | 2       | 2      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 975   | S    | 2       | 2      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 976   | S    | 2       | 2      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 977   | S    | 2       | 2      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 978   | S    | 2       | 2      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 979   | S    | 2       | 4      | 80    | 66  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 980   | S    | 2       | 4      | 80    | 66  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 981   | S    | 2       | 4      | 80    | 67  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 982   | S    | 2       | 4      | 80    | 67  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 983   | S    | 2       | 4      | 80    | 67  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 984   | S    | 2       | 4      | 80    | 68  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 985   | S    | 2       | 4      | 80    | 68  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 986   | S    | 2       | 4      | 80    | 68  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 987   | S    | 2       | 4      | 80    | 80  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 988   | S    | 2       | 4      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 989   | S    | 2       | 4      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 990   | S    | 2       | 4      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 991   | S    | 2       | 4      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 992   | S    | 2       | 4      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 993   | S    | 2       | 4      | 80    | 70  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 994   | S    | 2       | 2      | 80    | 0   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 995   | S    | 2       | 2      | 80    | 0   | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 996   | S    | 2       | 2      | 81    | 61  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 997   | S    | 2       | 2      | 81    | 61  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 998   | S    | 2       | 2      | 81    | 61  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 999   | S    | 2       | 2      | 81    | 63  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1000  | S    | 2       | 2      | 81    | 63  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1001  | S    | 2       | 2      | 81    | 64  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1002  | S    | 2       | 2      | 81    | 65  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1003  | S    | 2       | 2      | 81    | 65  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1004  | S    | 2       | 2      | 81    | 65  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1005  | S    | 2       | 2      | 81    | 80  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1006  | S    | 2       | 8      | 81    | 61  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1007  | S    | 2       | 8      | 81    | 62  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1008  | S    | 2       | 8      | 81    | 63  | 10000 |      |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

\*\*\*\*\* ITRUCK DATA \*\*\*\*\*

| ITRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD  | WENT | FAIL | KNTR1 | KNTR2 | KNTR3 | KNTR4 | KNTR5 | KNTR6 | KNTR7 | KNTR8 |
|--------|------|---------|--------|-------|-----|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1009   | S    | 2       | 8      | 81    | 63  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1010   | S    | 2       | 8      | 81    | 64  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1011   | S    | 2       | 8      | 81    | 64  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1012   | S    | 2       | 8      | 81    | 65  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1013   | S    | 2       | 8      | 81    | 65  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1014   | S    | 2       | 8      | 81    | 62  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1015   | S    | 2       | 8      | 81    | 65  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1016   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1017   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1018   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1019   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1020   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1021   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1022   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1023   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1024   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1025   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1026   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1027   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1028   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1029   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1030   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1031   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1032   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1033   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1034   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1035   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1036   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1037   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1038   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1039   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1040   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1041   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1042   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1043   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1044   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1045   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1046   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1047   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1048   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1049   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1050   | S    | 0       | 0      | 0     | 0   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1051   | S    | 3       | 8      | 130   | 61  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1052   | S    | 3       | 8      | 130   | 62  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1053   | S    | 3       | 8      | 130   | 63  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1054   | S    | 3       | 8      | 130   | 63  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1055   | S    | 3       | 8      | 130   | 63  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1056   | S    | 3       | 8      | 130   | 63  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1057   | S    | 3       | 8      | 130   | 64  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1058   | S    | 3       | 8      | 130   | 64  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1059   | S    | 3       | 8      | 130   | 65  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1060   | S    | 3       | 8      | 130   | 65  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1061   | S    | 3       | 8      | 130   | 65  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1062   | S    | 3       | 8      | 130   | 65  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1063   | S    | 3       | 8      | 130   | 65  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1064   | S    | 3       | 8      | 130   | 65  | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | I     | LOAD | WELL | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1065  | 5    | 3       | 8      | 130   | 66  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1066  | 5    | 3       | 8      | 130   | 67  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1067  | 5    | 3       | 8      | 130   | 67  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1068  | 5    | 3       | 8      | 130   | 67  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1069  | 5    | 3       | 8      | 130   | 67  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1070  | 5    | 3       | 8      | 130   | 67  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1071  | 5    | 3       | 8      | 130   | 67  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1072  | 5    | 3       | 8      | 130   | 68  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1073  | 5    | 3       | 8      | 130   | 68  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1074  | 5    | 3       | 8      | 130   | 68  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1075  | 5    | 3       | 8      | 130   | 69  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1076  | 5    | 3       | 8      | 130   | 69  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1077  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1078  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1079  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1080  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1081  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1082  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1083  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1084  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1085  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1086  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1087  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1088  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1089  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1090  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1091  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1092  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1093  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1094  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1095  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1096  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1097  | 5    | 3       | 8      | 130   | 70  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1098  | 5    | 3       | 8      | 130   | 71  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1099  | 5    | 3       | 8      | 130   | 71  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1100  | 5    | 3       | 8      | 130   | 72  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1101  | 5    | 3       | 8      | 130   | 73  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1102  | 5    | 3       | 8      | 130   | 74  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1103  | 5    | 3       | 8      | 130   | 75  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1104  | 5    | 3       | 8      | 130   | 76  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1105  | 5    | 3       | 8      | 130   | 77  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1106  | 5    | 3       | 8      | 130   | 78  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1107  | 5    | 3       | 8      | 130   | 80  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1108  | 5    | 3       | 8      | 130   | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1109  | 5    | 3       | 8      | 130   | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1110  | 5    | 3       | 8      | 130   | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1111  | 5    | 3       | 8      | 131   | 61  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1112  | 5    | 3       | 8      | 131   | 62  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1113  | 5    | 3       | 8      | 131   | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1114  | 5    | 3       | 8      | 131   | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1115  | 5    | 3       | 8      | 131   | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1116  | 5    | 3       | 8      | 131   | 63  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1117  | 5    | 3       | 8      | 131   | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1118  | 5    | 3       | 8      | 131   | 64  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1119  | 5    | 3       | 8      | 131   | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1120  | 5    | 3       | 8      | 131   | 65  | 10000 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

UNCLASSIFIED  
\*\*\*\*\* ITRUCK DATA \*\*\*\*\*

| ITRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD  | HEX | FAIL | KNTR1 | KNTR2 | KNTR3 | KNTR4 | KNTR5 | KNTR6 | KNTR7 | KNTR8 |
|--------|------|---------|--------|-------|-----|-------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1121   | 5    | 3       | 0      | 131   | 65  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1122   | 5    | 3       | 0      | 131   | 65  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1123   | 5    | 3       | 0      | 131   | 65  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1124   | 5    | 3       | 0      | 131   | 65  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1125   | 5    | 3       | 0      | 131   | 66  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1126   | 5    | 3       | 0      | 131   | 67  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1127   | 5    | 3       | 0      | 131   | 67  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1128   | 5    | 3       | 0      | 131   | 67  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1129   | 5    | 3       | 0      | 131   | 67  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1130   | 5    | 3       | 0      | 131   | 67  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1131   | 5    | 3       | 0      | 131   | 67  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1132   | 5    | 3       | 0      | 131   | 68  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1133   | 5    | 3       | 0      | 131   | 68  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1134   | 5    | 3       | 0      | 131   | 69  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1135   | 5    | 3       | 0      | 131   | 69  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1136   | 5    | 3       | 0      | 131   | 69  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1137   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1138   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1139   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1140   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1141   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1142   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1143   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1144   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1145   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1146   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1147   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1148   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1149   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1150   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1151   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1152   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1153   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1154   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1155   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1156   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1157   | 5    | 3       | 0      | 131   | 70  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1158   | 5    | 3       | 0      | 131   | 71  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1159   | 5    | 3       | 0      | 131   | 71  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1160   | 5    | 3       | 0      | 131   | 72  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1161   | 5    | 3       | 0      | 131   | 73  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1162   | 5    | 3       | 0      | 131   | 74  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1163   | 5    | 3       | 0      | 131   | 75  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1164   | 5    | 3       | 0      | 131   | 76  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1165   | 5    | 3       | 0      | 131   | 77  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1166   | 5    | 3       | 0      | 131   | 78  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1167   | 5    | 3       | 0      | 131   | 80  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1168   | 5    | 3       | 0      | 131   | 81  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1169   | 5    | 3       | 0      | 131   | 83  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1170   | 5    | 3       | 0      | 131   | 88  | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1171   | 5    | 0       | 0      | 0     | 0   | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1172   | 5    | 0       | 0      | 0     | 0   | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1173   | 5    | 0       | 0      | 0     | 0   | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1174   | 5    | 0       | 0      | 0     | 0   | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1175   | 5    | 0       | 0      | 0     | 0   | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1176   | 5    | 0       | 0      | 0     | 0   | 10000 |     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Listing 9. ITRUCK Array (Cont'd)

UNCLASSIFIED \*\*\*\*\* ITRUCK DATA \*\*\*\*\*

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD  | NEXT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1177  | S    | D       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1178  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1179  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1180  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1181  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1182  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1183  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1184  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1185  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1186  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1187  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1188  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1189  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1190  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1191  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1192  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1193  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1194  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1195  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1196  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1197  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1198  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1199  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1200  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1201  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1202  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1203  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1204  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1205  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1206  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1207  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1208  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1209  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1210  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1211  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1212  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1213  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1214  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1215  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1216  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1217  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1218  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1219  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1220  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1221  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1222  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1223  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1224  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1225  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1226  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1227  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1228  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1229  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1230  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1231  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1232  | S    | U       | U      | U     | U   | 10000 | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | 1 | LOAD | NEXT | FAIL | MNIR1 | MNIR2 | MNIR3 | MNIR4 | MNIR5 | MNIR6 | MNIR7 | MNIR8 |
|-------|------|---------|--------|-------|-----|---|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1233  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1234  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1235  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1236  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1237  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1238  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1239  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1240  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1241  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1242  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1243  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1244  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1245  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1246  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1247  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1248  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1249  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1250  | 5    | 0       | 0      | 0     | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1251  | 9    | 6       | 1      | 116   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1252  | 9    | 6       | 1      | 116   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1253  | 9    | 6       | 1      | 116   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1254  | 8    | 6       | 1      | 116   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1255  | 8    | 6       | 1      | 116   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1256  | 8    | 6       | 1      | 116   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1257  | 8    | 6       | 1      | 116   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1258  | 9    | 6       | 1      | 117   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1259  | 9    | 6       | 1      | 117   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1260  | 9    | 6       | 1      | 117   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1261  | 8    | 6       | 1      | 117   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1262  | 8    | 6       | 1      | 117   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1263  | 8    | 6       | 1      | 117   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1264  | 8    | 6       | 1      | 117   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1265  | 9    | 6       | 1      | 116   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1266  | 9    | 6       | 1      | 116   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1267  | 9    | 6       | 1      | 116   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1268  | 8    | 6       | 1      | 118   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1269  | 8    | 6       | 1      | 118   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1270  | 8    | 6       | 1      | 118   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1271  | 8    | 6       | 1      | 118   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1272  | 9    | 6       | 1      | 119   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1273  | 9    | 6       | 1      | 119   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1274  | 9    | 6       | 1      | 119   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1275  | 8    | 6       | 1      | 119   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1276  | 8    | 6       | 1      | 119   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1277  | 8    | 6       | 1      | 119   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1278  | 8    | 6       | 1      | 119   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1279  | 9    | 6       | 1      | 120   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1280  | 9    | 6       | 1      | 120   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1281  | 9    | 6       | 1      | 120   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1282  | 8    | 6       | 1      | 120   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1283  | 8    | 6       | 1      | 120   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1284  | 8    | 6       | 1      | 120   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1285  | 8    | 6       | 1      | 120   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1286  | 8    | 6       | 1      | 121   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1287  | 8    | 6       | 1      | 121   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1288  | 8    | 6       | 1      | 121   | 0   | 0 | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

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\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD | NEXT | FAIL | ANIR1 | KNIR2 | ANIR1 | ANIR2 | ANIR3 | ANIR4 | ANIR5 | ANIR6 | ANIR7 | ANIR8 |
|-------|------|---------|--------|-------|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1289  | 8    | 6       | 1      | 121   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1290  | 8    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1291  | 9    | 7       | 1      | 156   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1292  | 9    | 7       | 1      | 156   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1293  | 9    | 7       | 1      | 156   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1294  | 9    | 7       | 1      | 156   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1295  | 8    | 7       | 1      | 156   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1296  | 8    | 7       | 1      | 156   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1297  | 8    | 7       | 1      | 156   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1298  | 8    | 7       | 1      | 156   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1299  | 8    | 7       | 1      | 160   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1300  | 8    | 7       | 1      | 160   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1301  | 9    | 7       | 1      | 157   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1302  | 9    | 7       | 1      | 157   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1303  | 9    | 7       | 1      | 157   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1304  | 8    | 7       | 1      | 157   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1305  | 8    | 7       | 1      | 157   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1306  | 8    | 7       | 1      | 157   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1307  | 8    | 7       | 1      | 157   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1308  | 8    | 7       | 1      | 157   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1309  | 8    | 7       | 1      | 160   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1310  | 8    | 7       | 1      | 160   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1311  | 9    | 7       | 1      | 158   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1312  | 9    | 7       | 1      | 158   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1313  | 8    | 7       | 1      | 158   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1314  | 8    | 7       | 1      | 158   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1315  | 8    | 7       | 1      | 158   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1316  | 8    | 7       | 1      | 158   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1317  | 8    | 7       | 1      | 158   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1318  | 8    | 7       | 1      | 158   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1319  | 8    | 7       | 1      | 161   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1320  | 8    | 7       | 1      | 161   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1321  | 9    | 7       | 1      | 159   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1322  | 9    | 7       | 1      | 159   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1323  | 9    | 7       | 1      | 159   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1324  | 8    | 7       | 1      | 159   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1325  | 8    | 7       | 1      | 159   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1326  | 8    | 7       | 1      | 159   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1327  | 8    | 7       | 1      | 159   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1328  | 8    | 7       | 1      | 159   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1329  | 8    | 7       | 1      | 161   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1330  | 8    | 7       | 1      | 161   | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1331  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1332  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1333  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1334  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1335  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1336  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1337  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1338  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1339  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1340  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1341  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1342  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1343  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 1344  | 0    | 0       | 0      | 0     | 0   | 0    | 0    | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

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\*\*\*\*\* TRUCK DATA \*\*\*\*\*

| TRUCK | TYPE | MISSION | STATUS | OWNER | MIX | LOAD | NEAT | FAIL | KNIR1 | KNIR2 | KNIR3 | KNIR4 | KNIR5 | KNIR6 | KNIR7 | KNIR8 |
|-------|------|---------|--------|-------|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1345  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1346  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1347  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1348  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1349  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1350  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1351  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1352  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1353  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1354  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1355  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1356  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1357  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1358  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1359  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1360  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1361  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1362  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1363  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1364  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1365  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1366  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1367  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1368  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1369  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1370  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1371  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1372  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1373  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1374  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1375  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1376  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1377  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1378  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1379  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1380  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1381  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1382  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1383  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1384  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1385  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1386  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1387  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1388  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1389  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1390  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1391  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1392  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1393  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1394  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1395  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1396  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1397  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1398  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1399  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |
| 1400  | U    | U       | U      | U     | U   | U    | U    | U    | U     | U     | U     | U     | U     | U     | U     | U     |

(2) ITYPE(9,6). Listing 10 shows the ITYPE array. The nine truck types, corresponding to the truck type codes of Volume 1, Chapter 5, appear as a column down the left margin. Each truck type's six attributes are displayed in a row opposite the type. Truck type 1 will be examined. (Note - the first attributes for truck type 8 and 9 have been used to hold the standard deviation of MTTR for 5 and 10 ton trucks and for S & Ps, respectively.)

#### LISTING 10. ITYPE

\*\*\*\*\* TRUCK SPEEDS, MTBF, AND MTTR \*\*\*\*\*

| TRUCK | 2D NT | 2D DAY | HI NT | HI DAY | MTBF | MTTR |
|-------|-------|--------|-------|--------|------|------|
| 1     | 16    | 21     | 16    | 30     | 4983 | 556  |
| 2     | 10    | 19     | 10    | 26     | 3292 | 490  |
| 3     | 10    | 19     | 10    | 26     | 3292 | 490  |
| 4     | 13    | 19     | 18    | 28     | 4260 | 473  |
| 5     | 14    | 18     | 14    | 21     | 1545 | 462  |
| 6     | 100   | 100    | 100   | 100    | 480  | 245  |
| 7     | 0     | 0      | 0     | 0      | 0    | 0    |
| 8     | 120   | 0      | 0     | 0      | 960  | 252  |
| 9     | 60    | 0      | 0     | 0      | 960  | 252  |

| <u>Attribute</u>                                           | <u>Value</u> | <u>Source(s)</u> |
|------------------------------------------------------------|--------------|------------------|
| 1. Secondary road night speed<br>(unit to ASP, ATP) in KPH | 16           | h, e             |
| 2. Secondary road day speed                                | 21           | h, e             |
| 3. Highway night speed                                     | 16           | h, e             |
| 4. Highway day speed                                       | 30           | h, e             |
| 5. MTBF (mean time before failure) in MIN                  | 4983         | i                |
| 6. MTTR (mean time to repair) in MIN                       | 556          | i                |

(3) Truck Queues. Listing 11 shows the status of the truck queues at the beginning of the game. The trucks in each queue are entered as instructed in Chapter 5 of volume I. The queues are defined in chapter 10 of this volume. The listing consists of each queue number, in turn, followed by the numbers of all trucks in the queue or the word "none" if the queue is empty. The truck is assigned in accordance with the scenario and gamer decisions.

|                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| QUEUE 1 TRUCKS  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 |
| QUEUE 2 TRUCKS  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 |
| QUEUE 3 TRUCKS  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 |
| QUEUE 4 TRUCKS  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 |
| QUEUE 5 TRUCKS  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 |
| QUEUE 6 TRUCKS  | 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 |
| QUEUE 7 TRUCKS  | 61  | 62  | 63  | 64  | 65  | 66  | 67  | 68  | 69  | 70  | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 |
| QUEUE 8 TRUCKS  | 71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 |
| QUEUE 9 TRUCKS  | 81  | 82  | 83  | 84  | 85  | 86  | 87  | 88  | 89  | 90  | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 |
| QUEUE 10 TRUCKS | 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 |
| QUEUE 11 TRUCKS | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 |
| QUEUE 12 TRUCKS | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 |
| QUEUE 13 TRUCKS | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 |
| QUEUE 14 TRUCKS | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 |
| QUEUE 15 TRUCKS | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 |
| QUEUE 16 TRUCKS | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 |
| QUEUE 17 TRUCKS | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 |
| QUEUE 18 TRUCKS | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 |
| QUEUE 19 TRUCKS | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 |
| QUEUE 20 TRUCKS | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 |
| QUEUE 21 TRUCKS | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 |
| QUEUE 22 TRUCKS | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 |
| QUEUE 23 TRUCKS | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 |
| QUEUE 24 TRUCKS | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 |





|                          |                                                             |                          |
|--------------------------|-------------------------------------------------------------|--------------------------|
| QUEUE 131 TRUCKS<br>NONE | QUEUE 155 TRUCKS<br>NONE                                    | QUEUE 170 TRUCKS<br>NONE |
| QUEUE 136 TRUCKS<br>NONE | QUEUE 156 TRUCKS<br>1291 1292 1293 1294 1295 1296 1297 1298 |                          |
| QUEUE 137 TRUCKS<br>NONE | QUEUE 157 TRUCKS<br>13 1 1322 1301 1304 1305 1306 1307 1308 |                          |
| QUEUE 137 TRUCKS<br>NONE | QUEUE 158 TRUCKS<br>1311 1312 1313 1314 1315 1316 1317 1318 |                          |
| QUEUE 139 TRUCKS<br>NONE | QUEUE 159 TRUCKS<br>1-21 1312 1323 1324 1325 1326 1327 1328 |                          |
| QUEUE 140 TRUCKS<br>NONE | QUEUE 160 TRUCKS<br>1255 1302 1305 1310                     |                          |
| QUEUE 141 TRUCKS<br>NONE | QUEUE 161 TRUCKS<br>1315 1320 1325 1330                     |                          |
| QUEUE 142 TRUCKS<br>NONE | QUEUE 162 TRUCKS<br>NONE                                    |                          |
| QUEUE 143 TRUCKS<br>NONE | QUEUE 163 TRUCKS<br>NONE                                    |                          |
| QUEUE 144 TRUCKS<br>NONE | QUEUE 164 TRUCKS<br>NONE                                    |                          |
| QUEUE 145 TRUCKS<br>NONE | QUEUE 165 TRUCKS<br>NONE                                    |                          |
| QUEUE 146 TRUCKS<br>NONE | QUEUE 166 TRUCKS<br>NONE                                    |                          |
| QUEUE 147 TRUCKS<br>NONE | QUEUE 167 TRUCKS<br>NONE                                    |                          |
| QUEUE 148 TRUCKS<br>NONE | QUEUE 168 TRUCKS<br>NONE                                    |                          |
| QUEUE 149 TRUCKS<br>NONE | QUEUE 169 TRUCKS<br>NONE                                    |                          |
| QUEUE 150 TRUCKS<br>NONE | QUEUE 170 TRUCKS<br>NONE                                    |                          |
| QUEUE 151 TRUCKS<br>NONE | QUEUE 171 TRUCKS<br>NONE                                    |                          |
| QUEUE 152 TRUCKS<br>NONE | QUEUE 172 TRUCKS<br>NONE                                    |                          |
| QUEUE 153 TRUCKS<br>NONE | QUEUE 173 TRUCKS<br>NONE                                    |                          |
| QUEUE 154 TRUCKS<br>NONE | QUEUE 174 TRUCKS<br>NONE                                    |                          |

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## 7. Ammo Data.

a. Overview. Most of the ARM interactive ammo data is contained in the array IMIX. This array describes both ammunition loads on trucks and the time it requires to load a truck.

b. Printout and Explanation. On Listing 12 is the IMIX array. Its dimensions are (91, 32). The 91 ammo mixes appear in the farthest left-hand column and the 30 ammo types or codes are displayed in rows. What looks to be ammo code 31 and 32 is actually the load time in minutes at CSA/ATP and at the ASP. Mixes 1-30 are 10-ton mixes; 31-60, 5-ton mixes; 61-90, S&P mixes; and 91, helicopter mixes. Ammo mix 1 will be explained.

| <u>Attribute</u>                        | <u>Value</u> | <u>Source(s)</u> |
|-----------------------------------------|--------------|------------------|
| 1. Rounds of ammo type 1 on truck       | 240          | b, h, e          |
| 2-30. Rounds of ammo type 2-30 on truck | 0            | b, h, e          |
| 31. Load time at CSA/ATP                | 24           | j                |
| 32. Load time at ASP                    | 30           | j                |





## 8. Data Input by Operator.

a. Overview. To facilitate the running of ARM CIs it is quite valuable for the operator to have some type of an input sheet listing the variables to be entered/modified between CIs. An example of such a sheet that was applied to the first 15 CIs of this scenario appears on Listing 13.

b. Printouts and Explanations. Listing 13, Operator Input Sheet, consists of 8 columns, 2 each for CI, TCIST, IDAY, TCILING, 3 for INTER, and 2 for changes to be made prior to running a CI. Where a blank appears in a column, no action is to be taken relative to that variable. The three columns below INTER are for INTER(3), INTER(4), and INTER(7). Data sources for the variables have been given elsewhere in this documentation. Changes in the final column are necessitated by the scenario. A table, Listing 14, with the distances used for the Operator Input Sheet is also included. A blank distance indicates no change from the previous CI.

Listing 13. Operator Input Sheet

| <u>CI</u> | <u>TCIST</u> | <u>INTER</u> | <u>IDAY</u> | <u>TCILING</u> | <u>CHANGE PRIOR TO RUNNING CI</u>                                                                                                                                             |
|-----------|--------------|--------------|-------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |              | 3,4,7        |             |                |                                                                                                                                                                               |
| 1         | 0            | 8,5,22       | 1           | 240            | Change ASP 11-14 status to 1 (IASP(11,2); IASP(12,2), IASP(13,2), IASP(14,2) = 1).                                                                                            |
| 2         | 240          | 7            |             |                | FA tube units to 100% (units 17-36, EDIT option + 2).                                                                                                                         |
| 3         | 480          | 4            |             |                | Change ATP 6 distances to CSA, ASP (IATP(6,1) = 155, IATP(6,2) = 30).                                                                                                         |
| 4         | 720          | 2,3,80       | 0           | 360            |                                                                                                                                                                               |
| 5         | 1080         |              |             |                | Change ATP/ASP distances to CSA and servicing ASPs (IATP(1 thru 5,1) to 114, 113, 121, 121, 115. IATP(1 thru 5,2) to 10, 22, 25, 25, 15. Set ISERV(1) to 3, ISERV(7) to 150). |
| 6         | 1440         | 6,5,25       | 1           | 240            | Send ATP 6 S&Ps to ATPs 1 to 3 (EDIT option #3). Set ISERV(1) to 4, ISERV(7) to 150.                                                                                          |
| 7         | 1680         | 9            |             |                |                                                                                                                                                                               |
| 8         | 1920         | 7            |             |                |                                                                                                                                                                               |
| 9         | 2160         | 3,3,60       | 0           | 360            |                                                                                                                                                                               |

Listing 13. Operator Input Sheet (cont'd)

| CI  | TCIST | INTER  | IDAY | TCILING | CHANGE PRIOR TO RUNNING CI                                                                                                                                                                                                                                                    |
|-----|-------|--------|------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10  | 2520  |        |      |         | Change ATP/ASP distances to CSA and servicing ASPs. Also change servicing ATPs. (IATP(1 thru 5,1) to 97, 103, 101, 90, 88. IATP (1 thru 5, 2) to 30, 27, 35, 20, 20. (IATP(1 thru 5,6) to 15, 16, 16, 15, 16. Set ISERV(1) = 3, ISERV(2) = 3, ISERV(7) = 150, ISERV(8) = 240. |
| 11  | 2880  | 5,5,25 | 1    | 240     | Set ISERV(1) = 4, ISERV(2) to 5, ISERV(7) = 150, ISERV(8) = 240. Close forward ASPs: IASP (1 thru 4,2) to -1.                                                                                                                                                                 |
| 12  | 3120  | 8      |      |         |                                                                                                                                                                                                                                                                               |
| 13  | 3360  | /      |      |         |                                                                                                                                                                                                                                                                               |
| 14  | 3600  | 3,3,60 | 0    | 360     |                                                                                                                                                                                                                                                                               |
| 15. | 3960  | 4      |      |         |                                                                                                                                                                                                                                                                               |

Listing 14. Distance Table.\*

| ATP | CI        |           |           |   |            |
|-----|-----------|-----------|-----------|---|------------|
|     | 1         | 3         | 5         | 6 | 10         |
| 1   | 139/11-34 |           | 114/11-10 |   | 97/15-30   |
| 2   | 124/14-34 |           | 113/14-22 |   | 103/16-27  |
| 3   | 126/13-25 |           | 121/13-25 |   | 101/16-35  |
| 4   | 166/12-41 |           | 121/13-25 |   | 90/15-20   |
| 5   |           |           | 115/12-15 |   | 88/16-20   |
| 6   | 166/11-30 | 155/11-30 |           |   | Close down |

\* The values appearing as entries in the ATP section of the distance table are: (Distance to CSA/servicing ASP # - Distance to servicing ASP)

Listing 14. Distance Table. (Cont'd)

| ASP | KM to CSA |
|-----|-----------|
| 11  | 109       |
| 12  | 107       |
| 13  | 98        |
| 14  | 98        |

9. Miscellaneous.

a. Overview. Several different variables/arrays will be addressed now. They include: IRSTME, INTER, ICSA, LPPAR, IDAY, TCIST, TCILNG, TIME, and LUOUT. They are explained in this chapter because they do not fit easily into one of the earlier categories. This is usually because they are either arrays which overlap two or more categories, or they are simply system parameters.

b. Printouts and Explanations.

(1) IRSTME(23,3). Listing 15 shows the IRSTME array. Twenty-three ammo type codes are listed in the first column. The three attributes for each code are shown as rows opposite the codes. Ammo type 1 is explained.

LISTING 15. IRSTME

|    | SETUP | LOAD/100 | TRAVEL |
|----|-------|----------|--------|
| 1  | 6     | 75       | 20     |
| 2  | 6     | 125      | 20     |
| 3  | 0     | 0        | 0      |
| 4  | 2     | 50       | 8      |
| 5  | 2     | 50       | 8      |
| 6  | 3     | 100      | 8      |
| 7  | 3     | 100      | 8      |
| 8  | 0     | 0        | 0      |
| 9  | 3     | 100      | 5      |
| 10 | 5     | 15       | 10     |
| 11 | 2     | 50       | 8      |
| 12 | 2     | 50       | 8      |
| 13 | 2     | 50       | 8      |
| 14 | 3     | 5        | 5      |
| 15 | 3     | 100      | 8      |
| 16 | 6     | 25       | 16     |
| 17 | 6     | 1        | 16     |
| 18 | 3     | 15       | 20     |
| 19 | 0     | 0        | 0      |
| 20 | 0     | 0        | 0      |
| 21 | 0     | 0        | 0      |
| 22 | 0     | 0        | 0      |
| 23 | 0     | 0        | 0      |

| <u>Attribute</u>                    | <u>Value</u> | <u>Source(s)</u> |
|-------------------------------------|--------------|------------------|
| 1. Weapons set-up time in minutes   | 6            | j                |
| 2. Load time per round (min/1000)   | .075         | j                |
| 3. Travel time to weapon in minutes | 20           | j, a, e          |

(2) INTER(10). The INTER array is on Listing 16. It is essentially a single row; however, the tenth attribute appears below the first.

LISTING 16. INTER

\*\*\*\*\* INTERDICTION DATA \*\*\*\*\*

0        0        12        5        3600        720        22        10        0  
0

| <u>Attribute</u>                         | <u>Value</u> | <u>Source(s)</u> |
|------------------------------------------|--------------|------------------|
| 1. Counter for zone 1 trucks into INTRDK | 0            | c                |
| 2. Counter for zone 2 trucks into INTRDK | 0            | c                |
| 3. # trucks to be killed in zone 1       | 12           | g                |
| 4. # trucks to be killed in zone 2       | 5            | g                |
| 5. Time to replace truck in zone 1 (MIN) | 3600         | i, a, e          |
| 6. Time to replace truck in zone 2 (MIN) | 720          | i, a, e          |
| 7. Modulo of trucks killed in zone 1     | 22           | e                |
| 8. Modulo of trucks killed in zone 2     | 10           | e                |
| 9. # of zone 1 trucks entering INTRDK    | 0            | c                |
| 10. # of zone 2 trucks entering INTRDK   | 0            | c                |

(3) LPPAR(10). The LPPAR array is on Listing 17. The listing is comprised of a single row of ten values, explained as follows.

#### LISTING 17. LPPAR

\*\*\*\*\* LPPAR \*\*\*\*\*

20    10    3        1400        10        5        30        60        0        0

| <u>Attribute</u>                                      | <u>Value</u> | <u>Source(s)</u> |
|-------------------------------------------------------|--------------|------------------|
| 1. Total number of ammo codes                         | 20           | a, e             |
| 2. Number of ammo codes at ATP                        | 10           | j                |
| 3. Number of maneuver unit ammo codes at ATP (3)      | 3            | j                |
| 4. Number of transports (trucks)                      | 1400         | a, b             |
| 5. Number of helicopters available                    | 10           | a                |
| 6. Number of ammo types at units                      | 5            | a, e             |
| 7. Number to subtract from 5-ton mix to get ammo type | 20           | d, e             |
| 8. Number to subtract from S&P mix to get ammo type   | 60           | d, e             |
| 9-10. Not used                                        | 0            | c                |

(4). IDAY, TCIST, TCILNG, TIME, LUOUT. These variables are system parameters, shown on Listing 18 in a single row and defined below.

#### LISTING 18. Miscellaneous Data

\*\*\*\*\* MISC DATA \*\*\*\*\*

IDAY = 1    TCIST = .0005    TCILNG = 240.00    TIME = 0    LUOUT = 2

| <u>Attribute</u> | <u>Value</u> | <u>Source(s)</u> |
|------------------|--------------|------------------|
| 1. IDAY          | 1            | a                |
| 2. TCIST         | .0005        | e                |
| 3. TCILNG        | 240          | a                |
| 4. TIME          | 0            | c                |
| 5. LUOUT         | 2            | e                |

## 10. ARM Codes and Tables.

a. Overview. These codes/tables are numerical values established by the ARM user during the building of an initial data base. These values are used to set various parameters within several of the ARM arrays. They have previously been listed in Volume I and are repeated here because of the many references to them as the source for a data value. It should be remembered that each code or table is only one of many which could have been constructed for this particular data base and may or may not apply to another.

### b. Codes and Tables.

#### (1) Unit Type Codes.

| <u>Code</u> | <u>Unit Type</u>         |
|-------------|--------------------------|
| 1           | Tank Task Force          |
| 2           | Mechanized Tank Force    |
| 3           | Armored Cavalry Squadron |
| 4           | 155 Artillery Battery    |
| 5           | 8-inch Artillery Battery |
| 6           | MLRS Battery             |
| 7           | DIVAD Gun Platoon        |
| 8           | Combat Aviation Platoon  |

#### (2) Truck Type Codes.

| <u>Code</u> | <u>Truck Type</u>                   |
|-------------|-------------------------------------|
| 1           | 10 ton                              |
| 2           | 5 ton                               |
| 3           | 5 ton with a 1 1/2 ton trailer      |
| 4           | 10 ton with a 10 ton trailer (MLRS) |
| 5           | 20 ton S&P                          |
| 6           | Helicopter                          |
| 7           | Goer                                |
| 8           | Rough terrain forklift              |
| 9           | Crane                               |

(3) Truck Mission Type Codes.

| <u>Code</u> | <u>Mission Type</u>          |
|-------------|------------------------------|
| 1           | Unit truck                   |
| 2           | CSA-ATP link                 |
| 3           | CSA-ASP link                 |
| 4           | ASP-ATP link                 |
| 5           | ASP-unit (helicopters)       |
| 6           | ATP server                   |
| 7           | ASP server                   |
| 8           | Not used                     |
| 9           | Bumped to rear of system ASP |

(4) Truck Status Type Codes.

| <u>Code</u> | <u>Status Type</u>                                        |
|-------------|-----------------------------------------------------------|
| 1           | In unit queue - or available if truck is acting as server |
| 2           | In ATP queue                                              |
| 3           | In ASP queue                                              |
| 4           | In transit-or busy if truck is acting as server           |
| 5           | Unit truck going from ASP - server moving to new location |
| 6           | Truck awaiting repair                                     |
| 7           | Truck dead (interdicted)                                  |
| 8           | In CSA queue                                              |
| 9           | Bumped to 2d ASP - server of interdicted ASP/ATP          |

(5) Queue list.

| <u>Truck Queue</u> | <u>Queue Type</u> | <u>Description</u>                |
|--------------------|-------------------|-----------------------------------|
| 1-75               | 1                 | At each unit                      |
| 76-85              | 2                 | At ATPs for CSA-ATP S&Ps          |
| 86-95              | 3                 | At ATPs for ASP-ATP S&Ps          |
| 96-105             | 4                 | At ATPs for unit artillery server |
| 106-115            | 5                 | At ATPs for unit maneuver server  |
| 116-125            | 6                 | At ATPs for servers               |
| 126-135            | 7                 | At ASPs for CSA-ASP S&Ps          |
| 136-145            | 8                 | At ASPs for routine unit trucks   |
| 146-155            | 9                 | At ASPs for MLRS unit trucks      |
| 156-165            | 10                | At ASPs for servers               |
| 166-175            | 11                | At ASPs for ASP-ATP S&Ps          |
| 176                | 12                | At CSA for CSA S&Ps               |

(6) Ammo Type Codes

| <u>Code</u> | <u>Ammo Type</u>                |
|-------------|---------------------------------|
| 1           | 105mm (M-60 A3/XM1)             |
| 2           | TOW                             |
| 3           | Powder canisters (for 155mm FA) |
| 4           | 155mm HE                        |
| 5           | 155mm ICM DP                    |
| 6           | 2 inch HE                       |
| 7           | 8-inch ICM DP                   |
| 8           | 8-inch powder                   |
| 9           | Hellfire                        |

(6) Ammo Type Codes (cont'd)

| <u>Code</u> | <u>Ammo Type</u> |
|-------------|------------------|
| 10          | MLRS             |
| 11          | 155mm RAP        |
| 12          | 155mm CLGP       |
| 13          | 155mm smoke      |
| 14          | 30mm AAH         |
| 15          | 8-inch RAP       |
| 16          | Mortar           |
| 17          | Bushmaster       |
| 18          | DIVAD            |
| 19          | Small arms       |
| 20          | Fuzes            |

## 11. Sources of Data.

a. SCORES Europe III, 2A and 2A Extended Scenario. For forces, weapons, and ammo employed and their geographic positioning. (Note: logistics is not now played in the SCORES process.)

b. FM-101-10-1; Staff Officers' Field Manual; Organizational, Technical and Logistic Data. (Unclassified Data). Contains a great variety of useful data, including: TOEs, numbers of trucks and weapons in units, weights/round, rounds/weapon, vehicle speeds, and ammo supply levels.

c. Value initialized to zero. These are usually values that the program will update as the game continues.

d. Value set according to ARM code or table. These tables are set up by the gamer and have been defined in the preceding chapter of this documentation.

e. Gamer decision. Either the direct application of military judgement or a gamer calculation.

f. Value set according to doctrine. This value conforms to generally accepted doctrine as defined in the appropriate FM.

g. Value from war game output. This is produced by the wargame or scenario and then input to ARM.

h. US Army Transportation School. The most up-to-date source of truck types, numbers, capacities, and speeds.

i. US Army Logistics Center. The most recent source for load/unload times and repair/breakdown rates.

j. US Army Missile and Munitions Centers and Schools. Supplied data used to originally support the CSSMAA: distances from units to supply points; supply point locations, numbers, stockage and load times.

**END**

**FILMED**

**9-83**

**DTIC**