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MOS Baseline Skills Data Base

Instructional Technology Systems Technical Area
Training Research Laboratory

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Research Product 85-10

MOS Baseline Skills Data Base

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FOREWORD

The Instructional Systems Technical Area of the Army Research Institute for the Behavioral and Social Sciences (ARI) performs research and development in the areas of curriculum development, computer-based instructional systems, and learning strategies. A significant part of this effort is the development of a revised curriculum for the Army's Basic Skills Education Program (BSEP). The BSEP programs are designed to provide entering soldiers with the basic skills they need to perform Army jobs which are becoming technologically more sophisticated.

Recently, the critical tasks in 94 of the highest density Army jobs and the common soldier tasks (CST) were analyzed to provide information on the basic skills required for their completion. The data collected from this study comprise a large data base, and are stored at the National Institutes of Health's computer facility. This handbook is designed to provide researchers, educators, and Army training personnel with a comprehensive overview of the data base and directions on its use.



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MOS BASELINE SKILL DATA BASE HANDBOOK

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MOS Baseline Skills Data Base Handbook

INTRODUCTION TO THE MOS BASELINE SKILLS DATA BASE

Revision of the Basic Skills Education Program

Since its inception, the Basic Skills Education Program (BSEP) has played a fundamental role in the Army's effort to provide entering soldiers with the education necessary to pursue a career in the military. BSEP was designed to provide recruits deficient in basic reading, writing, listening, and computational skills with remedial training in these areas. The BSEP-trained skills are important across different functional areas and job dimensions, and are considered necessary for an individual to become proficient in the Soldier's Manual Tasks for each MOS. BSEP I provides training in the basic skills a soldier needs to enter and progress through IET. BSEP II is designed to do the same for skills associated with tasks trained in the unit and/or the 20-level Soldier's Manual Tasks.

As part of a general effort to increase the effectiveness of the educational programs offered by the Army Continuing Education System (ACES), the Army decided to revise BSEP in 1979. Prior to this time, BSEP was actually a collection of individual educational programs based on traditional subject matter content and educational grade levels. One goal of the revision was to standardize the basic skills programs to eliminate duplication of developmental efforts and improve training usefulness. Another goal of the revision was to change the orientation of basic skills training from a traditional education-level approach to a functional approach. In the functional approach, basic skills are defined as task-oriented skills and abilities that are required to learn and perform actual job tasks. Training is designed to increase proficiency in performing specific job-context basic skills, in contrast to the traditional approach which emphasizes general language and mathematical knowledge. Functional basic skills are sometimes referred to as prerequisite competencies, and can be distinguished from basic skills in two major ways: (a) they are more narrowly defined than traditional basic skills; and (b) they are stated in terms of specific, observable behaviors an individual must perform to complete a defined objective. Examples of prerequisite competencies include dividing a four-digit number by a two-digit number, and summarizing information from several sources.

A contract was awarded to the RCA Service Company to analyze the critical tasks in skill levels 10 and 20 and the common soldier tasks (CST), based on the most recent

Soldier's Manual or list of job tasks provided by the service schools. The goal of this analysis was to identify the prerequisite competencies required to perform the tasks for the 94 highest-density MOSs. Based on similarities in the competencies across jobs, basic skills training programs were to be organized into clusters of MOSs.

The Extended Task Analysis Procedure (ETAP)

The extended task analysis procedure conducted by the RCA Service Company had two goals: (a) Based on available documentation and interviews with training personnel, to provide the Army with a hierarchical list of job steps for the 94 highest-density MOSs; and (b) to identify and define the knowledge required to successfully complete the tasks. The extended tasks analysis procedure included five steps:

1. RCA analysts identified job tasks from Soldier's Manuals and task lists provided by the proponent schools. To avoid duplication of effort, tasks described in two or more MOSs were analyzed in the parent MOS and referenced to the original when the task appeared elsewhere. Similarly, subtasks, a complete group of job steps that appear in two or more tasks, were analyzed once and usually listed by number when they appeared in other tasks.

2. With the assistance of a subject matter expert (SME) designated by the proponent school, the analyst identified: (a) the specific job or performance steps required to successfully perform each task in the field; (b) the equipment and documentation needed to complete each task; (c) the knowledge and prerequisite skills necessary to perform each task; and (d) the standards to which the completed task should conform. Analysts noted whether or not the tasks were performed according to published standards and recorded all discrepancies between actual field performance and doctrinal procedure. The result is a hierarchical listing of job steps, available job aids, and the prerequisite skills required to successfully complete them.

3. The initial analysis was verified by a second SME from the proponent school where the MOS training took place. If discrepancies were found between the two reviews they were examined and resolved.

4. The service schools or training centers reviewed the results of the analysis to insure completeness. In addition, an instructor from each proponent school identified the skills not taught in advanced individual

training (AIT). If any of the steps required one of these skills or they were designated as technical prerequisites. Initially, all untaught skills were to be subject to remedial education. Technical prerequisites were later placed in a separate category because the skill was considered specific to the MOS in which it was identified. The remaining prerequisites were included in the taxonomy.

5. All of the primary ETAP data were reviewed, and a complete list of basic skills was finalized. This list of prerequisite competencies includes 220 specific competencies in 46 skill areas. Each competency has a three-character prerequisite competency (pc) code that is used in the system reports to index the job steps to the prerequisite skills. A complete taxonomy appears in the appendix (Table 1).

Organization of the Data Base

The RCA-MOS data base consists of over 3.2 million records of information in almost 1700 separate data files. In spite of its formidable size, nearly 90% of the data are of only two types: (a) data that are primarily concerned with task and subtask analysis, and (b) data that are concerned with the prerequisite competencies required to perform job steps. A large proportion of the data appears in more than one format. For example, prerequisite competency statements, the performance or job steps to which a prerequisite competency applies, are organized by MOS and by pc code. Similarly, tasks appear by MOS, by task number, and in one large reference file that includes every task analyzed in the project, as well as the MOSs in which they appear. The selection of a particular report will depend upon how the user wants the data to be organized. The supporting documentation describes the reports, relevant variables that they contain, and information on the location of other data files. Most of the relevant documentation appears in this manual, and is consistent with NIH's IBM operating system.

The RCA-MOS information system generates 20 separate reports that are described in detail in this handbook. Ten of these reports describe job tasks and provide other information from the hierarchical task analysis. Briefly, they are:

1. Task Performance Analysis Report - 1 (TPA-1): The TPA-1 report presents a summary of the extended task analysis results, and includes a brief description of each task, the major steps included in the task, and the equipment required for its execution. In addition, it indicates which motor skills were included in the task

analysis and locator information for additional ETAP findings. Entries from any section of the TPA-1 report have may exceed the space provided on the form. In this case, the entry is continued in the Comments Attached report (see below). The heading of the "comments" section will also indicate "ERRATA" or "NO ERRATA." If "ERRATA" is stated, entries will appear on the TPA-1 report and in a separate Errata report.

2. Comments Attached Report: These are observations about the tasks and the procedural steps by SMEs or analysts that were made and recorded during the interviews, and considered important to the ETAP procedure. They appear in the "comments" sections of the TPA-1 report and separately in this document.

3. Discrepancies Report: Comments that indicate a difference between task procedures as they appear in the doctrinal materials and as they are performed in the field were identified as "discrepancies" on the TPA-1 report. They are identified with an asterisk (*) in the "comments" section of the TPA-1 report.

4. Errata Report: These reports contain corrections, additions, or deletions that were made to the ETAP findings as a result of a separate review process.

5. Task Performance Analysis Report, New Format- 2 (TPA-2) : The TPA-2 reports present a hierarchical listing of the individual job steps for each analyzed task. New format TPA-2 reports also indicate the prerequisite competency that corresponds to the job step statement. Old format TPA-2s do not contain this information and require separate JCL and FORTRAN programs to be printed (see below).

6. Task Performance Analysis Report, Old Format - 2 (TPA-2): Twenty-four of the TPA-2 reports appear in an "old format." These reports do not index separate job steps with pc codes, and are generated with programs different from those of the "new format" TPA-2 reports. In all other respects, they are identical to the "new format" TPA-2 reports.

7., 8. Task Performance Analysis Report - 3 (TPA-3): These reports were used briefly during the beginning of the project. They contain specific job steps indexed by general skill areas rather than specific prerequisite skills.

9. Complete Task Report: This is a complete list of every critical task analyzed in the 94 MOSs and in the

CST. It indicates the MOS in which the task was analyzed and the other MOSs in which it appears.

10. Task Statement Report, by MOS: Is a listing of all tasks by the MOS in which they were originally analyzed.

11. Complete Subtask List: Lists all subtasks that appear in the critical tasks. They are referenced to the MOS and task in which it was originally analyzed and to the other tasks in which it appears.

12. Subtask List, by MOS: This report lists all the subtasks appearing in a particular MOS. It also indicates in which MOS it was analyzed, and other MOSs in which it is included.

The remaining 10 reports are concern with the prerequisite baseline skills and the specific job steps within tasks to which they apply. These reports list job steps from the original reports along with the prerequisite competency codes. Many of the prerequisite competency reports discriminate between BSEP I and BSEP II skills. This distinction was based on an assumption that the prerequisite competencies needed to complete the skill level 10 tasks would be different than the prerequisite competencies required for the skill level 20 tasks. Although later analysis demonstrated that the prerequisite skills did not differ and that the prerequisite competencies could be collapsed over all 10- and 20-level tasks, the prerequisite competency statement reports were reproduced in their original form. These reports include:

13. Complete Prerequisite Competency Indicator Statements, New Format: This is a report of the prerequisite competency statements extracted from the TPA-2 reports. The prerequisite competency statements are the job steps within a task that require a prerequisite skill to be successfully performed. The report is organized by prerequisite competency code, and is a comprehensive listing of the job steps across all MOSs to which a particular competency applies. It is referenced to the job step number and the original MOS in which it is located.

14. Prerequisite Competency Indicator Statements, by MOS: The P C Indicator Statement report lists prerequisite competency indicator statements with their pc codes, by MOS. It contains the same information as as the preceding report in different format.

15., 16. Complete Prerequisite Competency Indicator Statements, Old Format and Prerequisite Competency

Indicator Statements, by MOS: These are the same reports as the above, but for the 24 "old format" MOSs. In contrast to the new format MOSs, these statements were extracted from the KA reports and not the TPA-2s.

17. Knowledge Analysis Report: These reports were the product of home office analysis, and contain statements from the old format TPA-2s to which a prerequisite competency applies. They are in the same format as the TPA-2s.

18. Technical Prerequisites Report: Certain skills not taught as part of AIT were considered "technical prerequisites." The Technical Prerequisites report lists the job steps that require these skills.

19. Task Performance Analysis Report - X (TPA-X): These reports were generated in an effort to determine common or transferable skills between tasks, and are available for only three MOSs.

20. Knowledge Statement Report: The Knowledge Statement report is a compilation of performance statements from the KA reports indicating a necessary prerequisite skill.

In addition to these system generated-reports and the data files from which they are drawn, there are approximately 338 data files containing JCL and FORTRAN programs, as well as documentation for the original RCA-MOS data base. The programs were modified to make them compatible with the National Institutes of Health's IBM operating system, and the documentation has been changed accordingly. These data files are located on tape number 053712, and are listed on pages 97-105 in the tape index.

Printing an ETAP Report

The MOS Baseline Skills Data Base is currently installed at the NIH facility. Due to its size, the majority of the information is stored on magnetic tape. Programs that are required to access and print the reports are stored on disk in a general form. With minor changes to the programs, any user will be able to obtain any ETAP report.

The process to compile and print an ETAP report requires a JCL program, a FORTRAN program, and an input data file. The JCL program controls the processing steps in the report-generating procedure. It calls a FORTRAN program that prints report headings and page numbers, and the input data itself. All three files, the two program files and the input file, must be stored on disk volume

FILE47 before the job can be run. Since the programs are stored there permanently, however, only the input data file has to be transferred from tape.

Printing an ETAP report is a two-part procedure:

1. The data file has to be transferred from a tape to a disk file. The program needed to perform this task is called WTGFKJZ.SYS.DSGET, and is located on FILE47. Although the program is written in a general form, a few minor changes will enable it to retrieve any data file stored on the tapes. The procedure is to bring the WTGFKJZ.SYS.DSGET program into the user's workspace (these are called ACTIVE FILES in WYLBUR, the NIH's interactive language) to make the changes, and then to run the job. The alterations include changing the user's name, account and box number in the job card, inserting the appropriate tape number and data file name, and inserting the sequence number or position of the data file on the tape. The appendix contains an index of the data tapes(see Table 3). It provides the names of the data files, their sequence numbers, and the tape numbers on which they are located.

2. After this job is completed, the appropriate JCL program must be modified and the job can be run. A list of the JCL programs, their functions, and input parameters appears in Table 2. Like the DSGET program, they are stored on FILE47. The only changes to the JCL programs include inserting the correct data set name and changing the job card. These changes will be presented in detail in this section. After the job has run, reports can be printed at the NIH facility, one of the remote printers, or on a slave unit.

The procedure to print a TPA-1 report differs from the other report-generating procedures only in the name of the data files, tape and sequence numbers, and the JCL program used. Therefore, the steps in the process to print a TPA-1 report will be described here in detail. The relevant changes required to print the other reports will follow immediately. MOS 11B is used for purposes of illustration. Since all of the TPA-1 reports are located on the same tape, only the name of the data set and its sequence number will be different from other MOSs. The TPA-1 reports are stored in print format on tape number 029043. In the following example, a "?" is the WYLBUR system response indicating it is ready for a user command. "Data set" refers to the data or program file under discussion (see Table 1).

Printing a TPA-1 Report

STEP 1. Before modifying and using the

WTGFKJZ.SYS.DSGET program, it is useful to determine if the desired data set is already stored on FILE47. The "show" command is used for this purpose:

A. ? show dsnames like WTGFKJZ.11B.PG1 This command
on FILE47 asks WYLBUR if the
desired data set
is stored on FILE47.

FILE47 System response
WTGFKJZ.11B.PG1 indicating that the
data set exists.
Go to step 5.A.

FILE47 System response
NO DATA SETS FOUND indicates that data
set is not on tape.
Proceed as follows:

STEP 2. The WTGFKJZ.SYS.DSGET program has to be brought from FILE47 where it is stored into a user's active file. The program is written in a general form, and can be used with appropriate modifications to retrieve 10 data sets from the same tape. A "//LIST" and a "//SEQ" statement are required for each data set. Unused statements should be deleted before the job is run. It is only when the program is in the active file that the appropriate changes can be made. There are five changes that need to be made to the program: (a) the job card has to be modified; (b) the proper tape number has to be inserted in the program; (c) the correct name of the data set has to be inserted; (e) the data set's position on the tape or sequence number must be inserted; and (d) the unused statements should be deleted. The following commands continue the sequence started above:

A. ? use fr WTGFKJZ.SYS.DSGET on file47 Brings sys.dsget
program into active
file for modification.

B. ? list Command to list the
program on screen.

C. ? ch "ACCT" to "WTGR" in 1; ch
"USERNAME" to "SMITH" in 1 Inserts the fictional user's
name and account in
job card.

D. ? ch "nnnnnn" to "029043" in all Inserts tape volume
number into program.

//LIST1 EXEC DSGET,NAME='datasetname', WYLBUR will list the
TAPE=029043, altered line.

E. ? ch "datasetname" to "WTGFKJZ.11B.PG1" Inserts the correct

in "LIST"

data set name into
the program.

//LIST1 EXEC DSGET,NAME='WTGFKJZ.MOS.PG1', WYLBUR response
TAPE=029043, showing altered line.

F. ? ch "nn" to "10" in "SEQ"

The parameter nn must
be changed to
correspond to the
sequence
number of the data
set on the tape.
The number used is
for the single MOS 11B
data set.

// SEQ=10,DEN=4,DISK=FILE47

WYLBUR response
showing altered
line.

G. ? d 10/L

Command to delete
unused program
steps.

STEP 3. The job of retrieving the required data
sets from tape is now ready to be run. Because this it
is a class B job requiring two tape drives to execute,
it may take an hour or two to complete. When it does
finish, be sure to confirm the presence of the desired
data set on FILE47.

A. ? run hold notify

Command to run
job transferring
data set. WYLBUR will
hold report in
an output file.

B. ? fetch (job number) act 1

Brings output into
user's active file 1.
Determine if DSGET
program has executed
properly. Condition code
should be 0000.

C. ? show dsnames like WTGFKJZ.11B.PG1

Command to verify that
data set is on FILE47.

STEP 5. At this point, the JCL program can be
brought into the user's active file and the report can be
generated. The only changes to be done are (a) change
the job card, and (b) insert the correct MOS into the
program.

A. ? use fr WTGFKJZ.PRTPG1X on FILE47

Brings JCL program

	into active file for modification.
B. ? ch "XXX" to "11B" in all	Inserts desired MOS into program.
C. ? run hold notify	Command to run job creating the report. WYLBUR will hold report in output file. Use "fetch" command.
D. ? fetch (job number) act 1	Brings output into user's active file 1. Determine if report program has executed properly.
E. ? print (job number)	Prints report off central NIH printer if job has run properly. If job did not execute, find error and rerun.

The preceding example illustrates the procedure to access any data set and generate any report in the data base. Differences in other procedures include the details of the SYS.DSGET program, and the JCL program to be used. Table 2 in the appendix lists the appropriate programs and input files needed for each report.

Comments Attached Report

The differences between the procedure to print a TPA-1 report and a Comments Attached Report for MOS 11B appear in steps 1.A., 2.E., 2.F., 4.C., and 5.A. These changes are as follows:

- 1.A. ? show dsnames like WTGFKJZ.11B.COMMENTS on FILE47
- 2.E. ? ch "datasetname" to "WTGFKJZ.11B.COMMENTS" in "LIST"
- 2.F. ? ch "nn" to "100" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.11B.COMMENTS on FILE47
- 5.A. ? use fr WTGFKJZ.PRTCOMM on FILE47

Discrepancies Report

Steps 1.A., 2.D., 2.E., 2.F., 4.C., and 5.A. in the TPA-1 procedure for MOS 11B should be changed as follows:

- 1.A. ? show dsnames like WTGFKJZ.11B.DISCREP on FILE47
- 2.D. ? ch "nnnnnn" to "059398" in all
- 2.E. ? ch "datasetname" to "WTGFKJZ.11B.DISCREP" in "LIST"
- 2.F ? ch "nn" to "154" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.11B.DISCREP on FILE47
- 5.A. ? use fr WTGFKJZ.PRTDISCX on FILE47

TPA-2 Report

Steps 1.A., 2.D., 2.E., 2.F., 4.C., and 5.A. in the TPA-1 procedure for MOS 11B should be changed as follows:

- 1.A. ? show dsnames like WTGFKJZ.11B.PG2 on FILE47
 - 2.D. ? ch "nnnnnn" to "029435" in all
 - 2.E. ? ch "datasetname" to "WTGFKJZ.11B.PG2" in "LIST"
 - 2.F. ? ch "nn" to "5" in "SEQ"
 - 4.C. ? show dsnames like WTGFKJZ.11B.PG2 on FILE47
 - 5.A. ? use fr WTGFKJZ.PRTPRT2NEWX on FILE47
- ? use fr WTGFKJZ.PG2OLDX on FILE47 Command to be
used when an old
format report is
printed

K A Report

The differences between the procedures to print a K A report and a TPA-1 report for MOS 43M appear in steps 1.A., 2.D., 2.E., 2.F., 4.C., 5.A. and 5.B. These changes are as follows:

- 1.A. ? show dsnames like WTGFKJZ.43M.KA on FILE47
- 2.D. ? ch "nnnnnn" to "029746" in all
- 2.E. ? ch "datasetname" to "WTGFKJZ.43M.KA" in "LIST"
- 2.F. ? ch "nn" to "38" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.43M.KA on FILE47
- 5.A. ? use fr WTGFKJZ.PRTKAX on FILE47

5.B. ? ch "XXX" to "43M" in all

P C Indicator Statement Report

In the TPA-1 report, steps 1.A., 2.D., 2.E., 2.F., 4.C., and 5.A. in the procedure should be changed as follows:

1.A. ? show dsnames like WTGFKJZ.11B.NEW1S on FILE47

2.D. ? ch "nnnnnn" to "048628" in all

2.E. ? ch "datasetname" to "WTGFKJZ.11B.NEW1S" in "LIST"

2.F. ? ch "nn" to "55" in "SEQ"

4.C. ? show dsnames like WTGFKJZ.11B.NEW1S on FILE47

5.A. ? use fr WTGFKJZ.PRTPCNX on FILE47

P C Indicator Statement Report, by MOS

The procedure to print a P C Indicator Statement report is very similar to that of the TPA-1 report. The differences between these two procedures appear in steps 1.A., 2.D., 2.E., 2.F., 4.C., and 5.A. These changes are as follows:

1.A. ? show dsnames like WTGFKJZ.11B.PCINDN1 on FILE47

2.E. ? ch "datasetname" to "WTGFKJZ.11B.PCINDN1" in "LIST"

2.F. ? ch "nn" to "3" in "SEQ"

4.C. ? show dsnames like WTGFKJZ.11B.PCINDN1 on FILE47

5.A. ? use fr WTGFKJZ.PRTPCINX on FILE47

P C Indicator Statement Report, Old Format

In the TPA-1 report steps 1.A., 2.D., 2.E., 2.F., 4.C., 5.A., and 5.B. should be changed as follows:

1.A. ? show dsnames like WTGFKJZ.PCC.OLD1S on FILE47

2.D. ? ch "nnnnnn" to "051133" in all

2.E. ? ch "datasetname" to "WTGFKJZ.PCC.OLD1S" in "LIST"

2.F. ? ch "nn" to "215" in "SEQ"

4.C. ? show dsnames like WTGFKJZ.PCC.OLD1S on FILE47

5.A. ? use fr WTGFKJZ.PRTPCOX on FILE47

5.B. ? ch "XXX" to "11B" in all

The "old format" MOSs include: 05B 05C 13F 15D 16D
16E 26L 26Q 31M 43M 44B 44E 57E 61B 63H 63W 67U 68G 71D
71L 71Q 75B 76X 96B.

P C Indicator Statement Report, Old Format, by MOS

The commands in steps 1.A., 2.D., 2.E., 2.F., 4.C.,
5.A., and 5.B. should be as follows:

- 1.A. ? show dsnames like WTGFKJZ.43M.PCIND on FILE47
- 2.D. ? ch "nnnnnn" to "051133" in all
- 2.E. ? ch "datasetname" to "WTGFKJZ.43M.PCIND" in "LIST"
- 2.F. ? ch "nn" to "186" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.43M.PCIND on FILE47
- 5.A. ? use fr WTGFKJZ.PRTPCIOX on FILE47
- 5.B. ? ch "XXX" to "43M" in all

Technical Prerequisites Report

The commands in steps 1.A., 2.D., 2.E., 2.F., 4.C.,
5.A., and 5.B. should be as follows:

- 1.A. ? show dsnames like WTGFKJZ.11B.TECHPRE on FILE47
- 2.D. ? ch "nnnnnn" to "059398" in all
- 2.E. ? ch "datasetname" to "WTGFKJZ.11B.TECHPRE" in "LIST"
- 2.F. ? ch "nn" to "14" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.11B.TECHPRE on FILE47
- 5.A. ? use fr WTGFKJZ.PRTTPX on FILE47
- 5.B. ? ch "XXX" to "11B" in all

TPA-3 Report

The commands in steps 1.A., 2.D., 2.E., 2.F., 4.C.,
5.A., and 5.B. should be as follows:

- 1.A. ? show dsnames like WTGFKJZ.43M.PG3 on FILE47
- 2.D. ? ch "nnnnnn" to "029746" in all

- 2.E. ? ch "datasetname" to "WTGFKJZ.43M.PG3" in "LIST"
- 2.F. ? ch "nn" to "12" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.43M.PG3 on FILE47
- 5.A. ? use fr WTGFKJZ.PRT3OLDX on FILE47
- 5.B. ? ch "XXX" to "43M" in all

Knowledge Statement Report

The commands in steps 1.A., 2.D., 2.E., 2.F., 4.C., 5.A., and 5.B. should be as follows:

- 1.A. ? show dsnames like &KJZ.43M.B_KNOW on FILE47
(Where the appropriate BSEP number is inserted at "_")
- 2.D. ? ch "nnnnnn" to "059398" in all
- 2.E. ? ch "datasetname" to "&KJZ.43M.B_KNOW" in "LIST"
- 2.F. ? ch "nn" to "236" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.43M.B_KNOW on FILE47
- 5.A. ? use fr WTGFKJZ.PRTKNX on FILE47
- 5.B. ? ch "XXX" to "43M" in all

Errata Report

The commands in steps 1.A., 2.D., 2.E., 2.F., 4.C., 5.A., and 5.B. should be as follows:

- 1.A. ? show dsnames like WTGFKJZ.11B.ERRATA on FILE47
- 2.D. ? ch "nnnnnn" to "029043" in all
- 2.E. ? ch "datasetname" to "WTGFKJZ.11B.ERRATA" in "LIST"
- 2.F. ? ch "nn" to "176" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.11B.ERRATA on FILE47
- 5.A. ? use fr WTGFKJZ.PRTERRX on FILE47
- 5.B. ? ch "XXX" to "11B" in all

IPA-X Report

The commands in steps 1.A., 2.D., 2.E., 2.F., 4.C., 5.A., and 5.B. should be as follows:

- 1.A. ? show dsnames like WTGFKJZ.71Q.TPAX on FILE47
- 2.D. ? ch "nnnnnn" to "020746" in all
- 2.E. ? ch "datasetname" to "WTGFKJZ.71Q.TPAX" in "LIST"
- 2.F. ? ch "nn" to "55" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.71Q.TPAX on FILE47
- 5.A. ? use fr WTGFKJZ.PRTTPAXX on FILE47
- 5.B. ? ch "XXX" to "71Q" in all

Complete Task Statement Report

The commands in steps 1.A., 2.D., 2.E., 2.F., 4.C., 5.A., and 5.B. should be as follows:

- 1.A. ? show dsnames like WTGFKJZ.TASK.COMPLETE on FILE47
- 2.D. ? ch "nnnnnn" to "059398" in all
- 2.E. ? ch "datasetname" to "WTGFKJZ.TASK.COMPLETE" in "LIST"
- 2.F. ? ch "nn" to "154" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.TASK.COMPLETE on FILE47
- 5.A. ? use fr WTGFKJZ.TASKCOMP on FILE47
- 5.B. ? ch "XXX" to "11B" in all

MOS Task Statement Report

The commands in steps 1.A., 2.D., 2.E., 2.F., 4.C., 5.A., and 5.B. should be as follows:

- 1.A. ? show dsnames like WTGFKJZ.11B.TASKPRT on FILE47
- 2.D. ? ch "nnnnnn" to "059398" in all
- 2.E. ? ch "datasetname" to "WTGFKJZ.11B.TASKPRT" in "LIST"
- 2.F. ? ch "nn" to "61" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.11B.TASKPRT on FILE47
- 5.A. ? use fr WTGFKJZ.TASKMOS on FILE47
- 5.B. ? ch "XXX" to "11B" in all

Subtask Report

The commands in steps 1.A., 2.D., 2.E., 2.F., 4.C., 5.A., and 5.B. should be as follows:

- 1.A. ? show dsnames like WTGFKJZ.F001.SUBTASK on FILE47
- 2.D. ? ch "nnnnnn" to "051133" in all
- 2.E. ? ch "datasetname" to "WTGFKJZ.F001.SUBTASK" in "LIST"
- 2.F. ? ch "nn" to "76" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.F001.SUBTASK on FILE47
- 5.A. ? use fr WTGFKJZ.PRTSUBT on FILE47
- 5.B. ? ch "XXX" to "F001" in all

Subtask List Report

The commands in steps 1.A., 2.D., 2.E., 2.F., 4.C., 5.A., and 5.B. should be as follows:

- 1.A. ? show dsnames like WTGFKJZ.11B.SUBLIST on FILE47
- 2.D. ? ch "nnnnnn" to "051133" in all
- 2.E. ? ch "datasetname" to "WTGFKJZ.11B.SUBLIST" in "LIST"
- 2.F. ? ch "nn" to "8" in "SEQ"
- 4.C. ? show dsnames like WTGFKJZ.17K.SUBLIST on FILE47
- 5.A. ? use fr WTGFKJZ.PRTDISCX on FILE47
- 5.B. ? ch "XXX" to "11B" in all

THE ETAP REPORTS

Description of a TPA-1 Report

The TPA-1 report, entitled "Complete Extended Task Analysis Procedures Results," provides a summary of the major findings from the task analysis, and serves as a reference to other information which may be of interest to the user. The following example of a TPA-1 report is for a task that appears in several MOSs. By contract agreement, however, it was analyzed only in the parent MOS. In this case, the TPA-1 report contains a message in the "comments" section, indicating the parent MOS. The task used in this example also appears in MOSs 11C, 11M, 19D, and 19E. The original analysis in MOS 12B is included for comparison.

TASK NUMBER: 051-192-1002 BSEP I ANALYSIS SITE: BENN
INSTALL THE M16A1 BOUNDING ANTIPERSONNEL MINE(WITH/WITHOUT TRIPWIRE)

MANUAL: FM 7-11B 1/2 (JULY 1978)

DATE STARTED: DATE COMPLETED: HOURS:
ORIGINAL ANALYSIS: VERIFICATION: INSTRUCTIONAL REVIEW:

- - - - - TASK SYNOPSIS - - - - -

- - - - - EQUIPMENT - - - - -
NONE

- - - - - COMMENTS NO ERRATA - - - - -
ANALYSIS REQUIRED IAW CONTRACT MOD P00005. ORIGINAL ANALYSIS
FOUND IN MOS 12B

- - - - - MAJOR STEPS - - - - -

- - - - - MOTOR SKILLS NOT ANALYZED - - - - -
45A MULTI-LIMB COORDINATION 46A OPERATE EQUIPMENT - MANUALLY LIFT
45B MANUAL DEXTERITY 46B USE HAND TOOLS - DETERMINE SIZE
45C CONTROL PRECISION 46C INSTALL, RELOCATE AND REMOVE
45D RESPONSE ORIENTATION 46D MAINTAIN SUBSYSTEMS W/HAND TOOLS
45E REACTION TIME 46E USE TEST EQUIPMENT
45F RATE CONTROL 46F FORCE, SHAPE, FABRICATE MATERIALS
45G FINGER DEXTERITY 46G CHECKS AND SERVICES
45H ARM-HAND STEADINESS 46H PERFORM COMBAT OR POLICE ACTIONS
45I WRIST-FINGER SPEED 46I PERFORM CLERICAL DUTIES
45 46J CARE FOR THE INJURED OR INFIRM
 46

CONTRACT NO. DABT60-81-C-0017 DATE PRINTED:
COMPLETE EXTENDED TASK ANALYSIS PROCEDURES RESULTS 12/16/82
 TPA-1

MOS: 12B COMBAT ENGINEER
TASK NUMBER: 051-192-1002 BSEP I ANALYSIS SITE: BELV
INSTALL/REMOVE THE M16A1 BOUNDING FRAGMENTATION ANTIPERSONNEL
MINE

MANUAL: FM 5-12B W/C 1/2 (DRAFT 1982)

DATE STARTED: 200482 DATE COMPLETED: 150982 HOURS: 6
ORIGINAL ANALYSIS: 200482 VERIFICATION: 260582 INSTRUCTIONAL
REVIEW: 150982

- - - - - TASK SYNOPSIS - - - - -

INSTALL AND ARM MINE SO THAT DETONATION WILL OCCUR WHEN 8-45 LBS
PRESSURE ON
PRESSURE PRONGS OR A PULL OF 3-15 LBS ON TRIP WIRE AND DISARM AND
WITHOUT CAUSING DETONATION. TASK PERFORMED UNDER SUPERVISION

----- EQUIPMENT -----
M16A1 MINE, M605 FUZE, M25 WRENCH, TRIPWIRE, ENTRENCHING TOOL,
SANDBAG, STAKES, SIDECUTTER PLIERS, NAILS

----- COMMENTS ERRATA -----
NONE

----- MAJOR STEPS -----
1. INSTALL AND ARM THE MINE WITHOUT TRIPWIRES
2. INSTALL AND ARM THE MINE WITH TRIPWIRES
3. DISARM AND REMOVE THE MINE

----- MOTOR SKILLS ANALYZED -----
45A MULTI-LIMB COORDINATION 46A OPERATE EQUIPMENT - MANUALLY LIFT
X45B MANUAL DEXTERITY X 46B USE HAND TOOLS - DETERMINE SIZE
45C CONTROL PRECISION X 46C INSTALL, RELOCATE AND REMOVE
45D RESPONSE ORIENTATION 46D MAINTAIN SUBSYSTEMS W/HAND TOOLS
45E REACTION TIME 46E USE TEST EQUIPMENT
45F RATE CONTROL 46F FORCE, SHAPE, FABRICATE MATERIALS
X45G FINGER DEXTERITY 46G CHECKS AND SERVICES
X45H ARM-HAND STEADINESS X 46H PERFORM COMBAT OR POLICE ACTIONS
45I WRIST-FINGER SPEED 46I PERFORM CLERICAL DUTIES
45 46J CARE FOR THE INJURED OR INFIRM
 46

The MOS number and name in the heading were taken from Enlisted Career Management Fields and Military Occupational Specialities, manual number AR-611-201. The task number and name as well as the manual or task list from which it was derived, is indicated, along with the manual number and other information concerning the dates and times of the analysis and verification interviews. These data include: (a) the date the analysis started; (b) the date when the primary data collection process was completed, and when the results were sent to the home office for further analysis; (c) the date the results were reviewed with a second SME; and (d) the date the results were reviewed by a school instructor and approved by the respective support or training center. As of 22 March 1982, an instructional review was not completed for BSEP II tasks unless the task was resident trained. The heading also includes a four-character code indicating the location of the original analysis and the number of hours spent on the initial interview and task write-up.

There are five major sections in the body of the report. The TASK SYNOPSIS is usually an expanded task statement clarifying the dimensions of the task.

EQUIPMENT will list major material items such as tools, other supplies, and test equipment required to successfully complete the task. The COMMENTS section contains pertinent observations made by the analyst and clarifying statements of the SME. Certain comments describing a difference between task completion in the field and in training requirements were identified as "discrepancies" by the SME. These discrepancies are indicated with an asterisk (*) in the first column and will appear as the last entries in the COMMENTS section. A separate discrepancies report lists all such comments for each MOS. The heading of the comments section will indicate either ERRATA or NO ERRATA. If ERRATA is indicated, there will be a separate attachment to the comments section (see ERRATA REPORT). These reports list specific additions to or deletions from the ETAP report as well as non-specific comments about the task which were recommended through the review process report (TRADOC Form 314-4). Results of the review process, conducted at the support and training schools (TRADOC Form 314-R), which were considered judgemental in nature or that would have added or deleted procedural steps are also included.

As identified by the analyst and the SME, the section headed MAJOR STEPS lists the steps that must be performed to successfully complete the task. As of July 1982, certain motor skills were considered necessary for the successful completion of certain tasks. The heading of the MOTOR SKILLS section will show whether they have been analyzed. If analyzed, the applicable motor skills are preceded by an "X". The alpha-numeric code is the prerequisite competency code corresponding to that motor skill. When entries under the five major headings exceed the space provided, the entry in the section will read "see comments attached." This indicates that the entry is listed in the COMMENTS ATTACHED REPORT under the appropriate heading.

TPA-1 reports exist in print format for every MOS analyzed under the RCA contract. The following is a list of MOSs included: 000 05B 05C 05G 11B 11C 11H 11M 12B 13B 13E 13F 15D 15E 16D 16E 16H 16P 17B 17C 17K 19D 19E 24C 24H 26L 26Q 27E 31J 31M 31N 31V 32D 32H 33S 35K 36C 36K 43E 43M 44B 44E 45B 45K 52C 52D 54E 55B 55D 57E 57H 61B 61C 62B 62E 63G 63H 63N 63W 64C 67G 67N 67T 67U 67V 67Y 68B 68D 68F 68G 68H 68J 68M 71D 71L 71M 71P 71Q 72E 74D 74F 75B 76C 76P 76V 76W 76X 76Y 82C 91B 93J 94B 95B 95C 96B. MOS "000" refers to the common soldier tasks.

Description of a Comments Attached Report

The Comments Attached Report consists of statements from any section of the TPA-1 report that exceed the

space provided on the form. The information in this report is accompanied by the heading from the TPA-1 sections to which it applies (Task Synopsis, Equipment, Comments, or Major Steps). In the example below, entries are from the COMMENTS section.

CONTRACT NO. DABT60-81-C-0017

ATTACHMENT TO TPA-1 OF

MOS: 11B TASK NUMBER: 071-312-3006

COMMENTS

1. IF A TARGET AT 500 METERS IS PRESENT, CHOOSE IT AS YOUR TARGET BECAUSE IT IS MUCH EASIER TO FIGURE YOUR METERS OF CHANGE. MATH OR FRACTIONS WOULD BE HARDER TO FIGURE AT OTHER RANGES

1 MIL AT 1000 METERS EQUALS 1 METER OF CHANGE
1 MIL AT 500 METERS EQUALS 1/2 METER OF CHANGE
1 MIL AT 300 METERS EQUALS 3/10 METER OF CHANGE
1 MIL AT 400 METERS EQUALS 4/10=2/5 METER OF CHANGE
1 MIL AT 600 METERS EQUALS 6/10=3/5 METER OF CHANGE
1 MIL AT 700 METERS EQUALS 7/10 METER OF CHANGE

2. THE STEPS WHICH STATE "FIRE A SHORT BURST OF 6 TO 9 ROUNDS AT TARGET..." ARE ONLY USED AS APPROXIMATION. YOU WOULD NOT COUNT THE NUMBER OF ROUNDS FIRED IN A SHORT BURST. THE INDIVIDUAL SITUATION AND TYPE OF TARGET WOULD DICTATE LENGTH OF BURST AND NUMBER OF ROUNDS FIRED

The following is a list of the MOSs that have a Comments Attached report accompanying a TPA-1 report:
000 05B 05C 05G 11B 11C 11H 11M 12B 13B 13E 13F 15E 16D
16E 16H 16P 17B 17C 17K 19D 19E 24C 24H 26L 26Q 27E 31J
31M 31V 32H 33S 35K 36C 36K 43E 43M 45B 45K 52C 52D 54E
55B 57H 61B 61C 62B 63G 63H 63N 63W 64C 67N 67T 67U 67V
67Y 68B 68G 68J 68M 71D 71L 71M 71P 72E 74D 74F 75B 76C
76V 82C 91B 94B 95B 95C 96B.

Description of a Discrepancies Report

Statements from the TPA-1 report or Comments report that describe a field training procedure which differs from established doctrinal procedures appears in this report. An example of a Discrepancies report follows:

MOS BASELINE SKILLS PROJECT
DATE PRINTED:

PAGE 1

CONTRACT NO. DABT60-81-C-0017

MOS	TASK NO.	BSEP	DISCREPANCIES STATEMENT
-----	----------	------	----------------------------

11B 071-312-3005 I

STEP AND FIGURE 7 IN FM 23-67 PAGE 9 ARE, TOGETHER, INCORRECT OR CONFUSING. GRASP THE OPERATING ROD WITH THE FACE OF BOLT AWAY FROM THE BODY, BOLT ON TOP. HOLD OPERATING ROD AND BODY FIRMLY, PULL BACK ON THE BOLT AND LIFT UP THE FACE OF THE BOLT. REASON: WHEN REMOVING THE OPERATING ROD AND BOLT FROM THE RECEIVER, BOLT IS ON TOP. MORE SOLDIER S WILL SEPARATE THE OPERATING ROD AND BOLT IN THIS MANNER. SECURE BOTH BOLT AND OPERATING ROD FIRMLY.

11B 071-325-4405 I

7. REVERSE PICTURES ON UPDATED DRAFT OF TASK 071-325-4405, PAGE 3, OF GRENADES AN/M14 TH3, AND M67.

8. WRONG MODEL NUMBER ON UPDATED DRAFT OF TASK 071-325-4405, PAGE 3, UNDER 2C. M23 SHOULD BE M34.

The entries in these reports are listed by tasks with a corresponding MOS. The MOSs included in this report are: 000 05G 11B 11C 11H 11M 12B 13B 13E 13F 15D 15E 16D 16E 16P 17B 17C 17K 19D 19E 24H 26Q 27E 31J 31M 31N 31V 32D 32H 33S 35K 36C 36K 43M 44B 44E 45B 45K 52C 52D 54E 55B 55D 61B 62B 63G 63H 63N 63W 67G 67N 67T 67U 67Y 68B 68D 68F 68G 68H 71L 71M 71Q 72E 74D 74F 76C 76W 82C 91B 95B 96B.

TPA-2 Report

Description of a TPA-2 Report

The TPA-2 report is the major report in the extended task analysis procedure. It contains a hierarchical listing of every major task and subtask step for the critical tasks analyzed under this contract. An example of the report appears below:

MOS: 11B	TASK: 071-311-2006	DATE PRINTED:	TPA-2
TASK PERFORMANCE ANALYSIS - 2 (TPA-2)			PAGE
STEP NUMBER	PC CODE	J I D STEP STATEMENT	
1.		PREPARE FIELD EXPEDIENT AIMING STAKE	
1.A.	41A	USE AVAILABLE MATERIALS FOR AIMING STAKES SUCH AS STICKS, ROCKS, BOARDS, OR A LOG.	
1.A.1.	12H 40A	INSURE MATERIAL SELECTED WILL SUPPORT THE WEIGHT OF THE RIFLE (WEIGHT OF RIFLE PLUS A 30 ROUND MAGAZINE IS 7.2	

1.B.			POUNDS).
1.B.1.	11A	<	POSITION AIMING STAKES. IF USING A LOG OR SMALL BOARD, POSITION IT HORIZONTALLY ON THE GROUND.
1.B.2.	40A		INSURE AIMING STAKES ARE SECUREL POSITIONED IN GROUND.
1.B.2.A.			TEST AIMING STAKE FOR MOVEMENT BY APPLYING PRESSURE TO THE SIDE OF THE AIMING STAKE WHICH WILL BE LIMITING THE RIFLE.
1.B.3.			ADJUST AIMING STAKES.
1.B.3.A.			PLACE RIFLE ON AIMING STAKES.
1.B.3.A.1.	11B		AIM RIFLE TOWARD DESIRED TARGETS OR SECTOR OF FIRE.
1.B.3.B.			ADJUST AIMING STAKES TO HOLD RIFLE IN POSITION RIFLE IS AIMED.
2.			MAINTAIN A LOW POSITION TO OBSERVE AND FIRE.
2.A.	11A		USE PRONE OR SIMILAR LOW MODIFIED POSITION TO PRESENT THE SMALLEST POSSIBLE TARGET TO ENEMY OBSERVATION AND FIRE.
2.B.			POSITION RIFLE FIRMLY AGAINST FIRING SHOULDER.
2.B.1.			INSURE BUTT OF RIFLE FITS COMFORTABLY INTO THE POCKET OF T THE SHOULDER.
2.C.		<	IF A HORIZONTAL LOG OR BOARD IS USED, RECOGNIZE RIFLE CAN LAY GRAZING FIRE ALONG MORE THAN ONE LINE OF COVER.
2.C.1.	02B 02G		IDENTIFY GRAZING FIRE WHEN THE CONE OF FIRE DOES NOT RISE MORE THAN 1 METER ABOVE THE GROU GROUND.
2.C.2.	41A		RECOGNIZE AN ENTIRE SECTOR OF FIRE CAN BE COVERED WITH GRAZING FIRE IF TERRAIN PERMITS SUCH AS LOW LEVEL LAND.
2.D.	40A		EXPOSE ONLY THOSE PARTS OF THE BODY NEEDED TO OBSERVE AND FIRE (END OF TASK).

The original Task Performance Analysis reports (TPA-2s) were written using a generally accepted outline format - Roman numeral, upper-case character, Arabic numeral, etc. This was converted to a computer-compatible format of numeric and alpha sequence, with periods indicating the level of specificity in the hierarchy. For example, under major step number one are

two substeps, 1.A and 1.B. The indentation of the textual material is consistent with this organization, and emphasizes the hierarchical nature of the task analysis.

The listings under the step statement columns are, to the fullest extent possible, accurate reproductions of the analyst's entries based upon interviews with the subject matter experts. The word "resource" in the step number columns indicates that a manual, chart or some other printed document is available to the soldier for reference in performing the step. The resource is identified in the step statement. When a subtask appears in the report its title and steps are listed, beginning with step number S1. Subtasks are segments of work that have been previously analyzed and which may appear in other tasks. During the interviews by the analyst may have marked the subtask by number rather than by writing the common job steps. Nevertheless, they appear in full somewhere in the report.

The "J I D" column refers to single character codes which indicate the presence in a job step, job aid, or a technical prerequisite. It also states whether or not the soldier is required to make a decision. An intrinsic job aid, defined as a training manual, a field manual, a manufacturer's manual, a conversion chart or some other documentation required to complete the job step, is indicated with a plus sign (+) in the "J" column. The presence of a technical prerequisite in the job step is indicated when a dollar sign (\$) appears in the "I" column. If an instructor told the analyst that certain job steps were not taught as part of resident training, then those steps were identified as technical prerequisites. Step statements beginning with the words "if", "select(s)", "determine(s)", "choose(s)", "consider(s)", "decide(s)", "judges(s)", and "observe(s)", are highlighted with a less-than sign (<) in the "D" column.

As part of the ETAP, analysts determined from the SME what a soldier must know to successfully perform the task. The results of this procedure are listed under the p c column of the TPA-2 report. The three digit alpha-numeric codes correspond to the prerequisite competency taxonomy appearing in the appendix. The SME indicated that the underlying competency was necessary to complete the particular step by which it appeared. Before April 1982, pc codes were being applied to the TPA-3 and KA reports. After this time, they appeared on the TPA-2 reports. The MOSs for which TPA-3 and KA reports exist were designated as "old format" MOSs. In terms of information content, TPA-2 (new) = TPA-2 (old) + TPA-3 + KA. The old format TPA-2s require different programming and do not have a heading containing the line

pc codes. The old format TPA-2s are: 05B 16D 31M 57E 67U 71Q 05C 16E 43M 61B 68G 75B 13F 26L 44B 63H 71D 76X 15D 26Q 44E 63W 71L 96B. In six MOSs, more than one analysis was made of the same task number. To distinguish between the analyses, the following clarifications have been made:

16E	C	Casualty mode	
	N	ADP normal mode	
24C	A	Branch and flow troubleshooting	
	B	Fault isolate troubleshooting	
52D	A	Repair AC motors	
	B	Repair DC motors	
54E	A	Nuclear attack	) tasks
	B	Chemical/biological attack	) 031-503-3005,7
	A	Implement MOPP	) task
	B	Utilize MOPP	) 031-503-3008
61C	(blank)	Analyzed prior to Nov 82	) the tasks have
	A	Analyzed in Nov 82	) different task statements
74D	H	Analyzed at Ft. Benjamin Harrison	
	L	Analyzed at Ft. Lee	

Description of a K A Report

The Knowledge Analysis report lists the prerequisite competency statements and the associated pc code which appears on the original KA report form. The following is an example of a Knowledge Analysis report:

CONTRACT NO. DABT60-81-C-0017

DATE PRINTED:

MOS: 43M

TASK NUMBER: 101-513-1101

KNOWLEDGE
ANALYSIS
PAGE 1

STATEMENT CATEGORY STEP NUMBER

06A 1.A.
ADJUST SUPPORT LEG: CLOCKWISE TO LOWER COUNTERCLOCKWISE TO RAISE

41G 1.A.
ASSOCIATE PUSHING IN VALVE HANDLES WITH CLOSING OFF AIR SUPPLY

06A 1.A.
LOWER CASTER UNTIL IT CONNECTS WITH HORIZONTAL HOLES

02G 3.E.
PLACE GENERATOR SET AT LEAST 25 FEET FROM WORK AREA

41E 7.F.
 PLACE CORDS IN THEIR RESPECTIVE TERMINALS: WHITE CORD-TOP BLACK CORD
 MIDDLE GREEN CORD - BOTTOM

As a result of home-office analysis of the old format TPA-2s, prerequisite competencies were identified within job steps. The KA report shows a pc taxonomy code, a reference to the old format TPA-2, as well as a prerequisite competency indicator statement. It is organized by task number within MOSs. The entries are by step number. MOSs for which K A reports exist include: 05B 16E 44B 63W 71Q 05C 26L 44E 67U 75B 13F 26Q 57E 68G 76X 15D 31M 61B 71D 96B 16D 43M 63H 71L.

Description of a P C Indicator Statement Report

This is a report of the performance or job step statements from the TPA-2 reports for which baseline prerequisite skills were identified. Baseline prerequisite skills are identified by the prerequisite competency codes (pcc) in the column headed "CODE." These reports are organized by pc code (see Table 1 in the appendix for a list of the prerequisite competencies associated with these codes). An example appears below:

MOS BASELINE SKILLS PROJECT

11B PAGE 1

DATE PRINTED:

CONTRACT NO. DABT60-81-C-0017

COMPLETE PREREQUISITE COMPETENCIES INDICATOR STATEMENTS NEW FORMAT - BSEP I

MOS CODE	STATEMENT	TASK NO.	STEP NO.
000 11B	PLACE BETWEEN LEGS JUST ABOVE KNEES.	031-503-1002	1.A.2.B.
000 11B	IF ARMED, HOLD RIFLE BETWEEN LEGS AND PLACE HEADGEAR ON MUZZLE.	031-503-1002	1.A.2.C.
000 11B	ROTATE MASK SO HEAD HARNESS IS FACING IN.	031-503-1002	2.A.1.
000 11B	POSITION THUMBS INSIDE AND UNDERNEATH CHEEK STRAPS, PALMS ON CHEEK POUCHES.	031-503-1002	2.A.2.
000 11B	TURN HOOD INSIDE OUT OVER FACEBLANK.	031-503-1003	1.B.
000 11B	GRASP MASK IN ONE HAND AT	031-503-1003	1.B.1.

BACK OF CHEEK POUCHES, HEAD
HARNESS FACING OUT.

000 11B	SWING HOOD OUTWARD AWAY FROM THE BODY.	031-503-1003	1.D.1.
000 11B	ALLOW BOTTOM OF HOOD AND STRAPS TO FALL FREELY DOWN FRONT OF BODY.	031-503-1003	1.D.4.
000 11B	DRAW IMAGINARY HORIZONTAL LINE ACROSS HOOD FROM OPPOSITE SIDE OF BODY TO SAME SIDE AS FREE HAND.	031-503-1003	1.E.3.B.
000 11B	FOLD UP BOTTOM EDGE OF HOOD ALONG CREASE UNTIL IT CAN BE GRASPED IN THE SAME HAND HOLDING THE MASK WITH BOTTOM EDGE FLUSH WITH TOP OF MASK.	031-503-1003	1.E.5.
000 11B	TUCK LOOSE ENDS OF HOOD IN BETWEEN THE FOLDS WITH FREE HAND.	031-503-1003	1.E.6.
000 11B	PULL FLAP OUT AND TOWARD BODY UNTIL SNAP FASTENERS DISENGAGE.	031-503-1003	2.B.2.
000 11B	NOTE THE SIGN IS MARKED ON THE LEFT FRONT WITH A SMALLER RECTANGLE CONTAINING ONE OF THE FOLLOWING SYMBOLS.	031-503-1004	1.G.6.D.2.
000 11B	TURN HOOD RIGHT SIDE OUT.	031-503-1010	2.A.1.
000 11B	ROTATE MASK SO OUTSIDE CHEEK POUCH IS VISIBLE.	031-503-1010	3.D.1.

These reports were created from TPA-2 reports of the "new format" MOSs. Changes and/or additions to the TPA-2 reports would not necessarily appear on the P C Indicator Statement Reports. Performance statements are organized by MOS within pc code.

P C Indicator Statement reports include all pc codes except for 35G: 01A 01B 01C 01D 01E 01F 01G 01H 01I 02A 02B 02C 02D 02E 02F 02G 03A 03B 03C 04A 04B 04C 04D 04E 04F 05A 05B 05C 05D 05E 05F 05G 05H 05I 06A 06B 06C 06D 07A 07B 07C 07D 08A 08B 08C 08D 08E 09A 09B 09C 09D 09E 10A 11A 11B 12A 12B 12C 12D 12E 12F 12G 12H 13A 13B 13C 13D 13E 14A 14B 14C 14D 14E 14F 14G 15A 15B 15C 15D 15E 15F 15G 15H 15I 15J 16A 16B 16C 16D 16E 16F 16G 16H 17A 17B 17C 18A 18B 18C 19A 19B 19C 19D 25A 25B 25C 25D 25E 25F 26A 26B 26C 26D 26E 27A 27B 27C 27D 27E 27F 27G 28A

28B 28C 28D 29A 29B 29C 29D 29E 29F 30A 30B 30C 31A 31B
 31C 31D 31E 32A 32B 32C 32D 32E 33A 33B 33C 33D 34A 34B
 34C 34D 35A 35B 35C 35D 35E 35F 35H 35I 36A 36B 36C 36D
 36E 36F 36G 36H 37A 37B 37C 37D 37E 37F 37G 37H 38A 38B
 38C 38D 38E 38F 38G 38H 38I 38J 39A 39B 39C 40A 40B 40C
 41A 41B 41C 41D 41E 41F 41G 41H.

The pc codes for which BSEP II P C Indicator Statement reports exist include all pc codes except for 16A, 18B, 18C, 35G, and 36G: 01A 01B 01C 01D 01E 01F 01G 01H 01I 02A 02B 02C 02D 02E 02F 02G 03A 03B 03C 04A 04B 04C 04D 04E 04F 05A 05B 05C 05D 05E 05F 05G 05H 05I 06A 06B 06C 06D 07A 07B 07C 07D 08A 08B 08C 08D 08E 09A 09B 09C 09D 10A 11A 11B 12A 12B 12C 12D 12E 12F 12G 12H 13A 13B 13C 13D 13E 14A 14B 14C 14D 14E 14F 14G 15A 15B 15C 15D 15E 15F 15G 15H 15I 15J 16B 16C 16D 16E 16F 16G 16H 17A 17B 17C 18A 19A 19B 19C 19D 25A 25B 25C 25D 25E 25F 26A 26B 26C 26D 26E 27A 27B 27C 27D 27E 27F 27G 28A 28B 28C 28D 29A 29B 29C 29D 29E 29F 30A 30B 30C 31A 31B 31C 31D 31E 32A 32B 32C 32D 32E 33A 33B 33C 33D 34A 34B 34C 34D 35A 35B 35C 35D 35E 35F 35H 35I 36A 36B 36C 36D 36E 36F 36H 37A 37B 37C 37D 37E 37F 37G 37H 38A 38B 38C 38D 38E 38F 38G 38H 38I 38J 39A 39B 39C 40A 40B 40C 41A 41B 41C 41D 41E 41F 41G 41H.

Description of a P C Indicator Statement Report, by MOS

The Prerequisite Competency Indicator Statement reports listed by MOS contain the same information as Complete Prerequisite Competency Indicator Statement reports. However, these reports are organized by MOS, whereas the Complete Prerequisite Competency Indicator Statement reports are organized by pc code. The following example is for MOS 11B:

MOS BASELINE SKILLS PROJECT

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DATE PRINTED:

CONTRACT NO. DABT60-81-C-0017

PREREQUISITE COMPETENCIES INDICATOR STATEMENTS

MOS CODE	STATEMENT	TASK NO.	BSEP STEP NO.
11B 01A	RECOGNIZE THE NUMBERS 1 AND 2 ON LEAF SIGHT REPRESENT THE RANGES OF 100 AND 200 METERS.	071-311-2105	I 2.E.2.
11B 01A	RECOGNIZE SENSINGS ARE MADE IN BOTH RANGE AND DEVIATION TO THE NEAREST 5 METERS.	071-311-2105	I 5.B.1.A.
11B 01A	SET SIGHT AT 500 METERS AND ZERO WINDAGE.	071-312-3009	I 1.B.

11B 01A	SET REAR LEAF SIGHT AT 500 METERS.	071-312-3009	I	1.B.2.
11B 01A	SET SIGHT AT 500 METERS AND ZERO WINDAGE.	071-312-3009	I	2.F.
11B 01A	SET REAR LEAF SIGHT AT 500 METERS.	071-312-3009	I	2.F.2.
11B 01A	IDENTIFY RANGE GIVEN BY SQUAD LEADER AS TANGE TO TARGET IN METERS.	071-313-3454	I	3.A.1.
11B 01A	IF CLICKS ARE NOT HEARD, FEEL FOR BARREL MOVING PAST BARREL NOTCHES TWO TIMES.	071-313-3455	I	1.F.1.A.
11B 01A	USE A DIME OR ONE DOG TAG IN PLACE OF FIRE GAGE, WHEN FIRE GAGE IS NOT AVAILABLE.	071-313-3455	I	4.B.1.
11B 01A	IDENTIFY FOUR LATCHES ON CARRYING CASE.	071-315-0003	I	2.B.
11B 01A	DISREGARD THE NUMBERS 2, 3, 4, AND THE DOT OVER EACH AS APPLYING ONLY TO THE M-203 GRENADE LAUNCHER.	071-315-2308	I	3.C.2.
11B 01A	RECOGNIZE EACH ASSAULT TEAM WILL HAVE AT LEAST 2 MEN INCREASING IN NUMBER DEPENDING ON THE SIZE OF THE BUILDING.	071-326-0556	I	1.A.2.
11B 01A	IDENTIFY HOW MUCH AMMUNITION EACH FIRE TEAM MEMBER HAS LEFT.	071-326-5501	I	4.A.5.A.1.
11B 01A	IDENTIFY ANY CASUALTIES OR INJURIES.	071-326-5501	I	4.A.5.A.2.
11B 01A	ESTIMATE SIZE OF ENEMY.	071-326-5606	I	2.A.1.A.
11B 01A	IDENTIFY ANY CASUALITIES OR INJURIES.	071-326-5606	I	4.A.5.A.2.
11B 01A	IDENTIFY ANY MALFUNCTIONING, LOST, OR DAMAGES. EQUIPMENT.	071-326-5606	I	4.A.5.A.3.

For BSEP I, the following MOSs are included in these reports: 000 05G 11B 11C 11H 11M 12B 13B 13E 15E 16H 16P 17B 17C 17K 19D 19E 24C 24H 27E 31J 31N 31V 32D 32H 33S 35K 36C 36K 43E 45B 45K 52C 52D 54E 55B 55D 57H 61C 62B

62E 63G 63N 64C 67G 67N 67T 67V 67Y 68B 68D 68F 68H 68J
 68M 71M 71P 72E 74D 74F 76C 76P 76V 76W 76Y 82C 91B 93J
 94B 95B 95C.

The MOSs in the BSEP II reports include: 000 05G
 11B 11C 11H 11M 12B 13B 13E 15E 16H 16P 17B 17C 17K 19D
 19E 24C 24H 27E 31J 31N 31V 32D 32H 33S 35K 36C 36K 43E
 45B 45K 52C 52D 54E 55B 55D 57H 61C 62B 62E 63G 63N 64C
 67G 67N 67T 67V 67Y 68B 68D 68F 68H 68J 68M 71M 71P 72E
 74D 74F 76P 76V 76W 76Y 82C 91B 93J 94B 95B 95C.

Description of a Complete P C Indicator Statement Report,
Old Format

These reports contain the performance statements from the Knowledge Analysis Reports for the 24 "old format" MOSs. The "old format" Complete P C Indicator Statement reports contain references to the TPA-2 reports.

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 DATE PRINTED:

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COMPLETE PREREQUISITE COMPETENCIES INDICATOR STATEMENTS
 OLD FORMAT - BSEP I

MOS CODE	STATEMENT	TASK NO.	STEP NO.
15D 01A	ZERO THE HORIZONTAL AND MICROMETER SCALES	061-285-2020	3.C
15D 01A	ZERO SCALE WITH MICROMETER KNOB TO EXACTLY 000 ON TOP SCALE AND 3200 ON BOTTOM. SCALE	061-285-2030	2.D
15D 01A	PERFORM THEODOLITE PLATE LEVEL ADJUSTMENT (REFER TO TM 9-142-5-485-10-2) 2-134, SECTION (C)	061-285-2050	2.A
15D 01A	SET 00.0 MILS ON HORIZONTAL SCALE WITH HORIZONTAL SLOW MOTION SCREW	061-285-2050	3.B
15D 01A	PERFORM STEP IN TM 9-1425-485-10-2, PARAGRAPH 2-98, PGS 2-137 TO 2-138	061-285-2050	6.A
15D 01A	PLACE STOP PIN IN 960.0 POSITION CONSOLE SLOWLY THROUGH 6400 MILS OF	061-285-2050	7.C
16E 01A	RECORD SETTING OF BORESIGHT SHIFT	441-052-1050	1.I

COMPENSATOR ADJUST KNOB & THEN SET
IT TO ZERO

16E 01A	TURN CWAR AZIMUTH MIL RING TO THAT SAME SETTING	441-052-1050	2.B
16E 01A	SET CWAR AZIMUTH MIL RING INDICATION TO SAME SETTING AS AZIMUTH MIL RING ON BASE PIECE	441-052-1050	2.B
16E 01A	TURN HIPIR AZIMUTH MIL RING TO SAME INDICATION	441-052-1051	2.B
16E 01A	MANUALLY ROTATE ANTENNA CLOCKWISE UNTIL AZIMUTH MIL RING INDICATES ZERO.	441-052-1054	3.A
16E 01A	ROTATE AZIMUTH HANDWHEEL UNTIL IT INDICATES ZERO MILS	441-052-1054	3.B
16E 01A	ROTATE AZIMUTH HANDWHEEL ON FIRING CURSOR MOVEMENT	441-052-1055	2.F
16E 01A	REPORT TARGET SPEED & ALTITUDE TO THE TCO (TACTICAL CONSOLE OPERATOR)	441-052-1055	3.C
16E 01A	SET INT ANT SYNC SWITCH TO 0 RPM	441-052-1059	1.D
16E 01A	INSERT IFF CODE AS DIRECTED BY TO (CODE IS CLASSIFIED INFORMATION SET BY TURNING DIALS)	441-052-1060	3.B

Description of a P C Indicator Statement Report, Old Format

These reports contain the same information as the
preceding reports except that the old format MOS P C
Indicator Statement reports are organized by MOS.

MOS BASELINE SKILLS PROJECT
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PAGE 1
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PREREQUISITE COMPETENCIES INDICATOR STATEMENTS

MOS	CODE	STATEMENT	TASK NO.	BSEP	STEP	NO.
43M	01A	CONTINUE SEWING UNTIL STITCH LINE OVERLAPS STARTING POINT BY APPROX 1"	101-513-1161	I	2.E.	
43M	01A	MARK OFF 1" INDICATOR FROM WAISTBAND	101-513-1162	I	2.B.	

43M	01A	MARK OFF INDICATORS OF VARIOUS LENGTHS: 1/2" 1" 2&1/2" 5 SQUARE 2&1/2" X 2&1/2" SQUARE (PATCH)	101-513-1163 I	1.B.
43M	01A	MEASURE 72" OF THREAD	101-513-1205 I	2.A.
43M	01A	MATCH NUMBER ON GROMMET WITH NUMBER ON PUNCH AND DIE SET	101-513-1206 I	1.B.
43M	01A	MEASURE VARIOUS DISTANCES WITH A RULER: 1/8" 1/2" 3/4" 1" 2	101-513-1208 I	1.A.
43M	01A	MEASURE 2&3/4" FROM MOST EXTREME POINTS ON ALL SIDES OF DAM	101-513-1209 I	1.A.
43M	01A	SEW A SECOND STITCH ROW - 3/8" - 1/2" INSIDE FIRST ROW	101-513-1209 I	3.E.
43M	01A	MEASURE 2&3/4" FROM SIDES OF DAMAGES AREA	101-513-1210 I	1.B.
43M	01A	MEASURE CHALKLINE 1/8" FROM FOLDED EDGES	101-513-1210 I	3.B.
43M	01A	CUT AND PREPARE THE PATCH MATERIALS: CUT OUT 2 PIECES OF PATCH MATERIAL IS 4" WIDER AND 2" LONGER THAN DAMAGED AREA CUT OUT	101-513-1211 I	2.A.
43M	01A	MEASURE 1/2" IDICATORS FROM RAW EDGE OF ALL SIDES OF PATCH	101-513-1211 I	2.A.
43M	01A	MEASURE WIDTH OF HEM WITH RULER (TO 1/8")	101-513-1212 I	1.A.
43M	01A	MEASURE AND MARK 2&1/2" FROM FROM EDGES OF BOTH SIDES OF DAMAGED	101-513-1212 I	1.B.
43M	01A	MEASURE 1/2" INWARD LENGTHWISE FROM RAW EDGES OF BOTH SIDES OF PATCH	101-513-1212 I	2.A.
43M	01A	FIND CENTER OF PATCH BY MEASURING LENGTH OF PATCH AND DIVIDING BY 2 MARK OFF WITH CHALK	101-513-1212 I	2.B.

This report is available for all MOSs besides 57E
for BSEP II and all MOSs for BSEP I.

Description of the Technical Prerequisites Report

The Technical Prerequisites Report is a listing by
MOS of the performance statements from the TPA-2 reports
that indicate a skill or competency not taught as part of
resident training. An example appears below:

TECHNICAL PREREQUISITES

MOS	TASK NO.	BSEP	STEP NO.	STATEMENT
11B	071-325-4405	I	2.H.	IDENTIFY APPEARANCE OF MK3A2.

There are 47 MOSs that have technical prerequisites reports. They are: 000 05B 05C 05G 11B 11C 11H 12B 13B 13E 13F 15E 16D 16E 16H 16P 17B 17K 19D 24C 24H 27E 31J 31N 32D 33S 35K 36C 36K 43E 43M 44B 45K 52C 52D 54E 55B 57E 57H 61B 61C 62B 63G 63H 63N 63W 96B.

Description of a TPA-3 Report

The TPA-3 reports are listings of the task performance statements taken from: (a) the p c codes of the applicable competency, and (b) a reference to the step number on the task performance analysis. This report is the result of the interview process in which the SME specified the skills the soldier must know to perform the step. If the knowledge required to perform the step is not taught as a part of the resident training, then a "\$" will appear in the column headed by "IR". The information in these reports was later coded directly on the TPA-2 reports.

CONTRACT NO. DABT60-81-C-0017

DATE PRINTED:

MOS: 43M

TASK NUMBER: 101-513-1101

TPA-3
PAGE 1

47 1.A.4.
ASSOCIATE PUSHING IN VALVE HANDLES WITH CLOSING OFF AIR SUPPLY

47 1.A.5.
ASSOCIATE "COUNTERCLOCKWISE" WITH CONCEPT OF DISCONNECTING AIR HOSE

26 1.A.9.
KNOW WHAT A COTTER KEY IS

26 1.A.9.
KNOW WHAT A PINTLE IS

47 1.A.13.A
ASSOCIATE "COUNTERCLOCKWISE" AND "CLOCKWISE" WITH CONCEPT OF LOWERING AND

RAISING SUPPORT LEG RESPECTIVELY

41 3.A.

RECOGNIZE THE FRONT AND REAR OF A HOLDDOWN ASSEMBLY

47 3.A.C.

ASSOCIATE COUNTERCLOCKWISE MOTION WITH LOOSENING A WINGNUT

15 I 3.E.

ESTIMATE DISTANCE OF 25' OR GREATER WITHOUT USE OF MEASURING DEVICE

47 4.B.2.

ASSOCIATE COUNTERCLOCKWISE MOTION WITH LOOSENING A WINGNUT

47 7.A.1.

ASSOCIATE COUNTERCLOCKWISE MOTION WITH LOOSENING A WINGNUT

47 7.A.4.

ASSOCIATE CLOCKWISE MOTION WITH TIGHTENING A WINGNUT

41 7.A.5.

KNOW WHAT A PITMAN ROD CONNECTOR IS

47 7.A.6.C.

ASSOCIATE CLOCKWISE MOTION WITH TIGHTENING A WINGNUT

47 7.A.7.B.

ASSOCIATE POSITION OF CLAMP WITH TIGHTENING CAPABILITY OF WINGNUT

47 7.B.2.

ASSOCIATE CLOCKWISE MOTION WITH TIGHTENING A WINGNUT

26 7.B.6.

KNOW WHAT SEWING MACHINE "HEAD" IS

There are 25 MOSs for which TPA-3 reports exist. They include: 05B 05C 13F 15D 16D 16E 26L 26Q 31M 43M 44B 44E 57E 61B 63H 63W 67U 68G 71D 71L 71Q 75B 76X 91B 96B. The "new format" TPA-3 reports differ from the "old format" reports in that they list general statements applicable to specific MOSs. They are available for only the three MOSs -- 24H, 64C, and 91B. TPA-3 reports exist in both the new and old formats for MOS 91B. The content of the new format reports is as follows: 24H - topical outlines of electrical fundamentals; 64C - skills needed by drivers of military vehicles; and 91B - knowledge statements peculiar to this MOS.

Description of Knowledge Statement Report

This report is a formatted listing of the performance statements from the TPA-3 old format reports.

They are organized by tasks within MOSs, and contain step numbers and pc codes.

MOS BASELINE SKILLS PROJECT

PAGE 1
DATE PRINTED:

CONTRACT NO. DABT60-81-C-0017

KNOWLEDGE STATEMENTS FOR MOS XXX

MOS CODE	STATEMENT	TASK NO.	BSEP	STEP NO.
43M	KNOW WHAT A RETAINER PIN IS	101-513-1101	I	7.B.9.P.
43M	KNOW WHAT SASH BRUSH IS	101-513-1107	I	1.E.2.A.
43M	KNOW WHAT PRESSER FOOT IS	101-513-1107	I	1.Q.3.A.
43M 01	DETERMINE TEMPERATURE FROM THERMOMETER	101-513-1106	I	2.C.1.A.
43M 01	DETERMINE 110 VOLTS FROM GAUGE	101-513-1106	I	2.C.2.
43M 01	DETERMINE CYCLES/SECOND FROM GAUGE	101-513-1106	I	3.B.2.
43M 01	DETERMINE 1" DISTANCE ON A 12" RULER OR 18" ROD	101-513-1151	I	1.B.3.A.
43M 01	DETERMINE 1/2" DISTANCE ON A 12" RULER OR 18" ROD	101-513-1151	I	1.B.4.A.
43M 01	READ 1/2" FROM RULER	101-513-1153	I	1.C.
43M 01	READS 1/4" FROM RULER	101-513-1153	I	2.E.2.A.
43M 01	READ 1/2" FROM RULER	101-513-1153	I	2.E.2.C.
43M 01	READ 1/2" FROM RULER	101-513-1155	I	1.B.
43M 01	MEASURE FROM A RULER 1" 1/4" AND 1/16" AND AS INDICATED TO DISTANCES	101-513-1156	I	1.D.
43M 01	READ 1" 1/2" 1/4" AND 1/16" GRADATIONS FROM A RULER OR JUDGE SUCH DISTANCES	101-513-1157	I	1.B.
43M 01	READ FROM A RULER OR JUDGE DISTANCES OF 1/16" 1/8" 1/4" 1/2" OR 1"	101-513-1158	I	
43M 01	READ FROM A RULER OR JUDGE DISTANCES OF 1/16" 1/8" 1/4" 1/2" OR 2 & 1/2"	101-513-1159	I	1.H.
43M 01	JUDGE OR READ 1" 1/16" OR	101-513-1160	I	1.D.

1/4" DISTANCES FROM RULER

43M	01	MEASURE 1/2" DISTANCE FROM RULER	101-513-1161	I	1.A.
43M	01	READ 1" FROM RULER	101-513-1162	I	2.B.1.
43M	01	JUDGE 1" DISTANCE FROM GIVEN POINT	101-513-1162	I	2.B.5.
43M	01	READ 2 & 1/2" 5" 1/2" MARKS OFF RULER	101-513-1163	I	1.B.
43M	01	ESTIMATE 4 INCHES OF THREAD	101-513-1204	I	1.C.1.D.
43M	01	ESTIMATE DISTANCE OF 1/16" WHILE ADJUSTING NEEDLE BAR	101-513-1204	I	1.D.2.B.

Knowledge statements from parent tasks that are replicated in the reported MOS are included in the Knowledge Statement report lists. Therefore, MOS numbers shown on the report in the column headed "MOS" may differ from the MOS number shown in the report title. Because the TPA-3 forms were being written while the taxonomy was being developed, some knowledge statements do not have pc codes. PC codes taken from earlier versions of the taxonomy and entered on TPA-3 forms were converted to the new (Apr 82) taxonomy codes. The conversion allowed for the following pc codes: 45 - motor skills; 47 - equipment use; 48 - other. TPA-3 reports are available for the following MOSs: 05B 05C 13F 15D 16D 16E 26L 26Q 31M 43M 44B 44E 57E 61B 63H 63W 67U 68G 71D 71L 71Q 75B 76X 91B 96B 05B 05C 13F 15D 16D 16E 26L 26Q 31M 43M 44B 44E 61B 63H 63W 67U 68G 71D 71L 71Q 75B 76X 91B 96B.

Description of Errata Report

The Errata report lists all corrections to the ETAP reports that were made after a home-office review of the data collected at the training and proponent schools. An Errata report for MOS 11B appears below:

CONTRACT NO. DABT60-81-C-0017

DATE PRINTED:

ERRATA

MOS: 11B TASK NUMBER: 071-312-3005

TPA-1

EQUIPMENT

CLEANER, LUBRICANT, PRESERVATIVE (CLP) MIL-L-63460. THIS EQUIPMENT IS USED FOR ALL WEAPONS (WPNS) SYSTEMS AND HAS REPLACED ALL OTHER CLEANERS, LUBRICANTS AND PRESERVATIONS.

TPA-2

PAGE NO.	STEP NO.	LINE	RECOMMENDED CHANGES AND REASONS
3	2.A.2.G-H	--	BETWEEN STEPS 2.A.2.G AND 2.A.2.H ADD: PLACE UNSOAKED CLEAN PATCH THROUGH EYELET AND REPEAT STEP 2.A.2.E UNTIL NO MORE RESIDUE CAN BE REMOVED.

CONTRACT NO. DABT60-81-C-0017

DATE PRINTED:

MOS:	11B	ERRATA	TASK NUMBER:	071-312-3009
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TPA-2

PAGE NO.	STEP NO.	LINE	RECOMMENDED CHANGES AND REASONS
	1.B.1.B.1	--	DELETE. YOU DO NOT TURN WINDAGE KNOB OR ANYTHING UNTIL YOU HAVE FIRED 3 ROUNDS TO DETERMINE WHICH DIRECTION OR IF THERE IS A NEED FOR A CHANGE. ADD: FIRE 3 ROUNDS (ONE AT A TIME) THEN MAKE ADJUSTMENTS IF THEY ARE NEEDED.
5	2.I.2.A	--	CHANGE TO READ: IF SHOT GROUP WILL NOT FIT WITHIN A 4 CM CIRCLE ON THE TARGET, MAKE SIGHT ADJUSTMENTS.

Description of a TPA-X Report

When a task was analyzed using the principle transfer technique, a TPA-X report was generated. This technique was designed to identify the underlying principles in task steps. The following is an example of the TPA-X report:

CONTRACT NO. DABT60-81-C-0017

DATE PRINTED:

MOS:	71Q	TASK NUMBER:	214-176-1408
TPA-X			

STEP NUMBER	PRINCIPLE STATEMENT	PAGE	1
-------------	---------------------	------	---

- | | |
|------|---|
| 1.A. | PURPOSE OF REVIEW |
| 1. | DERIVE FROM REVIEW/EXAMINATION OF MATERIAL A SENSE OF THE
FOCUS OF THE NEWSWORTHY EVENT, THE CENTRAL PERSONS/GROUPS
INVOLVED, THE ROLE(S)/ACTIVITIES OF CENTRAL PERSONS/GROUPS, ETC |
| 1.A. | PURPOSE OF REVIEW |
| 2. | DERIVE FROM REVIEW SOME LEADS FOR RESEARCHING THE ASSIGNMENT
(E.G., WHO TO TALK, WHAT MATERIALS TO EXAMINE, PLACES TO VISIT,
ETC) |
| 1.A. | MAKE NOTES |

1. DO NOT RELY ON MEMORY FOR RETAINING ESSENTIAL INFORMATION

1.A. MAKE NOTES

2. USE WHATEVER NOTE TAKING STYLE BEST FITS OWN WORK PATTERNS AND NEEDS

1.C. KNOWLEDGEABLE SOURCE

RECOGNIZE THAT THE MOST KNOWLEDGEABLE SOURCE WILL ORDINARILY BE A PERSON CLOSELY INVOLVED WITH MAKING ARRANGEMENTS FOR THE EVENT (OR) THE HIGHEST AUTHORITY LEVEL THAT HAS A PERSONAL STAKE/VESTED INTEREST IN THE EVENT

3.A. EVENTS WARRANTS COVERAGE

ASSESS IMPORTANCE OF THE EVENT BY CONSIDERING SUCH FACTORS AS: PROMINENCE OF PARTICIPANTS, TIMELINESS AND EMOTIONS INTENSITY OF THE EVENT, DESIRES OF HIGHER AUTHORITY WITH RESPECT TO COVERAGE, PAY-OFF BALANCE BETWEEN ENHANCED QUALITY

3.A. EVENTS WARRENTS COVERAGE

(CONTINUE) OF COVERAGE VS DIFFICULTY/EASE OF OBTAINING ADDITIONAL PHOTOGRAPHERS, ETC

3.A. EVENT/COVERAGE REQUIREMENTS

1. IF SIMULTANEOUS BUT SEPARATE ASPECTS OF EVENT MUST BE COVERED, REQUEST ASSISTANCE

3.A. EVENT/COVERAGE REQUIREMENTS

2. IF DIFFERING PERSPECTIVES OF SAME ASPECT ARE DESIRED, REQUEST ASSISTANCE

3.A. EVENT/COVERAGE REQUIREMENTS

3. IF SIGNIFICANT FEATURES OF EVENT ARE WIDELY SEPARATED (AND) TIMING AND/OR PHYSICAL CONSTRAINTS (E.G., UNWIELDY EQUIPMENT, NON-AVAILABILITY OF TRANSPORTATION, ETC) PRECLUDE ONE PERSON COVERAGE, REQUEST ASSISTANCE

TPA-X reports are available for only three MOSs:
19D, 19E, and 71Q.

Description of the Complete Task Statement Report

The Complete Task Statement report is a listing of all two-line task statements for all the tasks among all MOSs. The information is taken from the task statements as they appear on the TPA-1 reports. An example of this report follows:

MOS BASELINE SKILLS PROJECT
COMPLETE TASK STATEMENT LIST

PAGE 4
DATE PRINTED:

COMPLETE TASK STATEMENT LIST

MOS	TASK NO.	STATEMENT
93J	011-143-1445	PERFORM EQUIPMENT CHECKS
93J	011-143-1600	DEPLOY THE FLIGHT COORDINATION CENTRAL, AN/TSC-61B
93J	011-143-2005	PERFORM THE INITIAL ORIENTATION OF RADAR SET, AN/TPN-18
93J	011-144-1016	DECODE TELETYPE SEQUENCE REPORTS
93J	011-144-1017	DECODE METEOROLOGICAL TERMINAL AVIATION REPORTS (METAR)
71P	011-144-1021	USE INTERPHONE PROCEDURES MOS: 93J
71P	011-144-1022	DECODE MILITARY AIRCRAFT DESIGNATION, SERVICE, AND MISSION SYMBOLS MOS:93J
71P	011-144-1042	LOCATE AERONAUTICAL DATA IN DOD FLIGHT PUBLICATIONS MOS:93J
93J	011-144-1500	OPERATE AND MAINTAIN A 1.5-KW GENERATOR
93J	011-145-1017	REQUEST, RECORD, AND DISSEMINATE PILOT REPORTS (PIREP)
93J	011-145-1022	USE RADIO COMMUNICATIONS PROCEDURES
93J	011-145-1023	INTERPRET AND RELAY ITEMS REQUIRING NOTICE TO AIRMEN (NOTAM)
93J	011-145-1024	ISSUE AIRPORT CONDITION INFORMATION
93J	011-145-1026	ISSUE AIR TRAFFIC CONTROL (ATC) ADVISORIES
93J	011-145-1030	POST FLIGHT PROGRESS SLIPS
93J	011-145-1041	CONTROL INSTRUMENT FLIGHT RULES (IFR) ARRIVALS (NON-RADAR)

Description of the MOS Task Statement Report

This report provides the information found in the preceding Complete Task Statement report, except that tasks are organized by the MOSs in which they were analyzed. Data in these reports are taken from the two-line task statement that appears on the TPA-1 report. An example appears below:

CONTRACT NO. DABT60-81-C-0017

DATE PRINTED:
04/21/83

TASK STATEMENTS FOR MOS 11B INFANTRYMAN

MOS	TASK NO.	BSEP	STATEMENT
11B	051-192-1002	I	INSTALL THE M16A1 BOUNDING ANTIPERSONNEL MINE (WITH/WITHOUT TRIPWIRE) MOS: 11C 11H 11M 12B 19D 19E
11B	051-192-1008	I	INSTALL THE M21 METALLIC ANTITANK (AT) MINE MOS: 11C 11H 11M 12B 19D 19E
11B	051-192-1012	I	DISARM THE M16A1 BOUNDING ANTIPERSONNEL MINE EQUIPPED WITH/WITHOUT TRIPWIRES MOS: 11C 11H 11M 19D 19E
11B	051-192-1018	I	DISARM THE M21 METALLIC ANTITANK (AT) MINE MOS: 11C 11H 11M 19D 19E
11B	051-192-1021	I	LOCATE MINES BY VISUAL MEANS MOS: 11C 11H 11M 19D 19E 54E 95B
11B	051-192-1022	I	LOCATE MINES BY PROBING MOS: 11C 11H 11M 12B 19D 19E 54E 95B
11B	051-193-1004	I	CONSTRUCT AN ELECTRIC (INITIATION) DETONATING ASSEMBLY MOS: 11H 11M 12B 19D
11B	061-283-6003	I	CALL FOR/ADJUST INDIRECT FIRE MOS: 11C 11H 11M 17K 19D 19E 54E 95B
11B	071-311-2006	I	USE LIMITED VISIBILITY FIRING TECHNIQUE WITH THE M16A1 RIFLE MOS: 11C 11M 54E 95B
11B	071-311-2101	I	PERFORM OPERATOR MAINTENANCE ON M203 GRENADE LAUNCHER AND AMMUNITION MOS: 11C 11M 13F 15D 19D 54E 95B
11B	071-311-2103	I	ZERO AN M203 GRENADE LAUNCHER MOS: 11C 11M 19D 54E 95B
11B	071-311-2105	I	USE LIMITED VISIBILITY FIRING TECHNIQUE WITH THE M203 GRENADE LAUNCHER MOS: 11C 11M 54E
11B	071-312-3003	I	LAY M60 MACHINEGUN USING FIELD EXPEDIENTS MOS: 11M 54E 95B
11B	071-312-3004	I	CONSTRUCT AN M60 MACHINEGUN POSITION

MOS: 11M 15D 15E 54E 95B

11B 071-312-3005 I PERFORM OPERATOR MAINTENANCE ON AN M60
MACHINEGUN AND AMMUNITION
MOS: 11M 13B 15D 15E 19D 54E 95B

11B 071-312-3006 I FIELD ZERO AN M60 MACHINEGUN
MOS: 11M 19D 54E

All MOSs are included.

Description of the Complete Subtask Report

These reports are listings of the subtasks of all the tasks analyzed. They are headed by the subtask number and title, and include performance statements and p c codes, a listing of the MOSs and tasks, and BSEP designations that reference the subtask.

SUBTASK: F001 MOS BASELINE SKILLS PROJECT
CONTRACT NO. DABT60-81-C-0017 DATE PRINTED:

COMPLETE SUBTASK PAGE 1

STEP NUMBER PREREQUISITE COMPETENCIES STEP STATEMENT

SUBTASK F001 - NATIONAL STOCK NUMBER,
ALL INFORMATION IN USE

S1. DETERMINE LEVEL OF MAINTENANCE
AUTHORIZED TO COMPLETE
REPAIRS.

S1.A. LOCATE DATA ON PART TO
BE REPLACED.

S1.A.1. IF NATIONAL STOCK NUMBER (NSN)
OR PART NUMBER IS NOT KNOWN.

S1.A.1.A. 27B LOCATE NAME OF PART IN PARTS
MANUAL.

S1.A.1.B. USE THE ILLUSTRATION FIGURE
NUMBER TO LOCATE THE FIGURE.

S1.A.1.C. 29A IDENTIFY THE ITEM NUMBER BY
AN ARROW POINTING TO THE
PART.

S1.A.1.C.1. 29C IDENTIFY PARTS
(ILLUSTRATIONS) FROM
EXPLODED VIEWS OF
ASSEMBLIES&SUB-ASSEMBLIES.

S1.A.1.C.2. 29A IDENTIFY ALL PARTS WITH
CALLOUT NUMBERS.

S1.A.1.C.2.A. 29A ARRANGE NUMBERS IN A
CLOCKWISE SEQUENCE.

S1.A.1.D. 28B USE THE FIGURE NUMBER &
ITEM NUMBER TO IDENTIFY THE
NATIONAL STOCK NUMBER &

S1.A.1.D.1.	28B	PART NUMBER INDEX (SEC V). CROSS-REFERENCE EACH ILLUSTRATION FIGURE, ITEM NUMBER TO THE NATIONAL STOCK.
S1.A.1.E.	28B	OBTAIN STOCK (PART) FIGURE, & ITEM NUMBER, LOCATE THE SOURCE, MAINTENANCE, & RECOVERABILITY (SMR) CODE FORMAT (5 POSITIONS, SEC 2).
S1.A.1.E.1.	28B 01E 41H	DETERMINE SOURCE CODE 1ST & 2ND POSITIONS.
S1.A.1.E.1.A.		INDICATE MANNER OF ACQUIRING SUPPORT ITEMS FOR MAINTENANCE, REPAIR OR OVERHAUL.
S1.A.1.E.2.	28B 01E 41H	DETERMINE MAINTENANCE CODE 3RD & 4TH POSITIONS.
S1.A.1.E.2.A.		INDICATE IN 3RD POSITION AS LOWEST MAINTENANCE LEVEL AUTHORIZED TO REMOVE, REPLACE & USE.
S1.A.1.E.2.B.		INDICATE IN 4TH POSITION WHETHER ITEM IS TO BE REPAIRED & THE LEVEL AT WHICH THE REPAIR WILL BE MADE.
S1.A.1.E.3.	28B 01E 41H	DETERMINE RECOVERABILITY.
S1.A.1.E.3.A.		INDICATE DISPOSITION ACTION ON UNSERVICE ITEMS.
S1.A.2.		WHEN NATIONAL STOCK NUMBER OR PART NUMBER IS KNOWN.
S1.A.2.A.	27C	USE THE INDEX OF NATIONAL STOCK NO. & PART NUMBER. TO FIND THE SPECIFIC NSN OF PART NUMBER.

Description of the Subtasks List Report

The Subtask List report is a record of the subtasks analyzed in the specified MOSs. These reports include the subtask number, title, first line of the subtask, step numbers, where it was originally analyzed, and the task numbers that reference the subtask. The following is an example of the report:

MOS BASELINE SKILLS PROJECT
CONTRACT NO. DABT60-81-C-0017

DATE PRINTED:
05/10/83

MOS 95B

SUBTASK STATEMENT LIST

BSEP II

FO06 FORM COMPLETION DA FORM 2404
551-721-2300

1-2

17K 3013411309

The MOSs included in these reports include: 05G 13B
13F 15E 16H 17B 17C 17K 19D 19E 24C 24H 27E 31J 31N 31V
32H 33S 36C 36K 45B 45K 52C 52D 54E 55B 55D 57H 62B 62E
63G 63N 64C 67G 67N 67T 67V 68D 68F 68H 68J 72E 76P 93J
95B.

TABLE 1: Prerequisite Baseline Skills

1 NUMBERING AND COUNTING

- 1A MATCH NUMERALS WITH WORD NAMES AND MODELS
- 1B WRITE NUMERALS ONE THROUGH N IN SEQUENTIAL ORDER FROM ANY STARTING POINT
- 1C STATE WHAT NUMERAL COMES AFTER, BEFORE, OR BETWEEN ANY TWO GIVEN NUMERALS
- 1D SELECT THE NUMERAL WHICH IS GREATER/LESSER FROM A SET OF NUMERALS
- 1E IDENTIFY AN OBJECT WITH A SPECIFIED ORDINAL POSITION
- 1F WRITE OR STATE THE PLACE VALUE OF A PARTICULAR DIGIT, WHOLE OR DECIMAL NO.
- 1G ROUND OFF A NUMBER TO A SPECIFIED PLACE, WHOLE OR DECIMAL
- 1H COUNT BY ONES, TWOS, FIVES, TENS, ETC., BACKWARD OR FORWARD (SKIP COUNTING)
- 1I MATCH NUMBERS WITH POINTS OR INTERVALS ON A NUMBER LINE (POS OR NEG VALUES)

2 LINEAR, WEIGHT, AND VOLUME MEASURES

- 2A NAME THE MARKINGS ON A LINEAR SCALE
- 2B DIFFERENTIATE UNITS OF MEASURE & EQUIVALENTS IN THE ENGLISH & METRIC SYSTEM
- 2C USE A RULER, YARDSTICK, METER STICK OR SCALE TO MEASURE LENGTH OR DISTANCE
- 2D IDENTIFY MEASURES OF OUNCE, POUND, GRAM
- 2E IDENTIFY MEASURES OF PINTS, QUARTS, GALLONS, LITERS
- 2F USE A SCALE WHICH IS NOT NUMERICALLY CALIBRATED
- 2G ESTIMATE MEASURES OF VARYING LENGTHS, DIMENSIONS OR WEIGHTS

3 DEGREE MEASURES

- 3A IDENTIFY DEGREE OR MIL AS A UNIT IN DETERMINING DIRECTION, DISTANCE OR TEMP
- 3B ESTIMATE THE MEASURE OF A GIVEN ANGLE NOT GREATER THAN 180 DEGREES

3C INTERPRET BEARINGS, AZIMUTH ETC., IN WHICH ANGLES RANGE 0-360
DEG/0-6400 MILS

4 TIME-TELLING MEASURES

4A USE A 24-HOUR OR DIGITAL CLOCK TO TELL TIME

4B NAME INTERVALS AND TELL TIME IN HOURS, MINUTES, AND SECONDS

4C ESTIMATE TIME IN SECONDS, MINUTES, AND PARTS OF AN HOUR

4D IDENTIFY CALENDAR UNITS AND ARRANGE THEM IN JULIAN STYLE

4E CONVERT TIME INTO HOURS AND TENTHS OF HOURS

4F COMPUTE TIME - USE GREENWICH MEAN TIME (GMT) TO ESTABLISH
ZONES & DISTANCES

5 GAUGE MEASURES

5A IDENTIFY THE UNIT OF MEASUREMENT FOUND ON AN INSTRUMENT

5B INTERPRET THE NUMBER, WORD, SYMBOL FROM A DISPLAY READ-OUT

5C RECOGNIZE A "READING" FROM A GAUGE WITH COLOR DIVISIONS

5D RECOGNIZE POSITIVE (+) AND NEGATIVE (-) DEMARCATION ON A
SCALE

5E SELECT BAND(S) FROM A MULTI-SCALE GAUGE

5F MATCH A GAUGE READING TO A SPECIFICATION USING NUMBERED,
LABELED INTERVALS

5G INTERPRET GAUGE READINGS FROM AN UNNUMBERED/UNMARKED
INTERVAL

5H INTERPRET A GAUGE READING WHICH IS FLUCTUATING OR
MOMENTARILY SUSTAINED

5I MATCH SPECS OF REQUIRED MEASURES BY MANIPULATION, ALIGNMENT
OR MAINTENANCE

6 SPATIAL

6A IDENTIFY DIRECTIONS THAT TOOLS, HARDWARE, OR COMPONENTS MAY
BE MOVED

6B MANIPULATE OBJECTS TO ALIGN, MATCH, MATE, BE PARALLEL,
PERPENDICULAR, ANGLED

6C INTERPRET SPATIAL RELATIONSHIPS OF FIGURES AND OBJECTS FROM
2-D REP

6D RELATE GEOMETRIC SYMBOLS AND GRAPHIC REPRESENTATIONS TO ACTUAL SYSTEMS, ETC

7 LINES

7A IDENTIFY AND NAME POINTS, LINES, RAYS, AND SEGMENTS

7B IDENTIFY INTERSECTING LINES, PARALLEL LINES, AND LINE SEGMENTS

7C DEFINE AND IDENTIFY PERPENDICULAR LINES

7D IDENTIFY CONGRUENT SEGMENTS

8 PLANES

8A IDENTIFY AND NAME PLANE GEOMETRIC FIGURES

8B LIST THE CHARACTERISTICS OF GEOMETRIC FIGURES

8C CLASSIFY FIGURES ACCORDING TO THE NUMBER OR MEASURE OF THEIR SIDES OR ANGLES

8D IDENTIFY FIGURES WHICH POSSESS SIMILARITIES

8E IDENTIFY FIGURES WHICH MAY BE PARALLEL, PERPENDICULAR OR CONGRUENT

9 ANGLES AND TRIANGLES

9A IDENTIFY, NAME AND SYMBOLIZE THE DIFFERENT KINDS OF ANGLES AND TRIANGLES

9B IDENTIFY VERTICAL, ADJACENT, COMPLEMENTARY OR SUPPLEMENTARY ANGLES

9C CLASSIFY TRIANGLES ACCORDING TO THEIR SIDES OR ANGLE-SIZE

9D IDENTIFY ALTITUDES AND MEDIANS OF TRIANGLES OR THE BISECTOR OF AN ANGLE

9E NAME AN ANGLE BY USING LETTERS, A NUMBER, OR A SINGLE LETTER

10 SOLIDS

10A RECOGNIZE AND MATCH THE NAMES OF SOLIDS WITH THEIR CORRESPONDING FIGURES

11 TERMINOLOGY

11A IDENTIFY TECHNICAL WORDS ASSOCIATED WITH GEOMETRIC FIGURES

11B INTERPRET MEANING OF TERMS DERIVED FROM SPATIAL ORIENTATION

12 ADDITION AND SUBTRACTION

12A ADD OR SUBTRACT WHOLE NUMBERS, WITHOUT CARRYING OR BORROWING

12B ADD OR SUBTRACT WHOLE NUMBERS, CARRYING AND BORROWING

12C ADD & SUBTRACT, BORROWING & CARRYING WITH MIXED NUMBERS
(WHOLE AND DECIMAL)

12D ADD OR SUBTRACT POSITIVE & NEGATIVE NUMBERS USING A NUMBER
LINE FOR SOLUTION

12E ADD OR SUBTRACT TO FIND CORRECT TIME (24 HR. CLOCK) USING
HOURS OR MINUTES

12F ADD OR SUBTRACT VARIOUS INCREMENTS ON GAUGES, DIALS, OTHER
MEAS. INSTRUMENTS

12G ADD OR SUBTRACT TIME, LINEAR, DRY, LIQUID OR DEGREE MEASURES
REQ. REGROUPING

12H ESTIMATE A SUM OR DIFFERENCE

13 MULTIPLICATION AND DIVISION

13A MULTIPLY AND DIVIDE WHOLE NUMBERS

13B MULTIPLY AND DIVIDE MIXED NUMBERS (WHOLE AND DECIMALS)

13C DIVIDE A NUMBER WITH DECIMALS IN BOTH DIVISOR AND DIVIDEND

13D MULT & DIV INTEGERS, BOTH POSITIVE & NEGATIVE & ASSIGN
PROPER SIGN TO RESULT

13E ESTIMATE A PRODUCT OR QUOTIENT

14 FRACTIONS/DECIMALS

14A SUBDIVIDE WHOLE OBJECTS OR A SET OF OBJECTS INTO $1/2$ 'S,
 $1/3$ 'S, $1/4$ 'S, $1/8$ 'S

14B REDUCE FRACTIONS TO LOWEST TERMS

14C CONVERT FRACT. (PROPER & IMPROPER) TO DEC. EQUIV & VICE
VERSA USING TABLE

14D COMPUTE EQUIVALENT VALUE OF FRACT., DEC., PERCENTS, & MIXED
NOS. TO LOWEST TERMS

14E ADD AND SUBTRACT FRACTIONS, WITH SAME OR DIFFERENT
DENOMINATIONS

14F MULTIPLY AND DIVIDE FRACTIONS WITH AND WITHOUT WHOLE NUMBERS

14G ESTIMATE A FRACTIONAL SUM, PRODUCT, OR QUOTIENT

15 GEOMETRY

15A DRAW GEOMETRIC FIGURES, PLANE AND SOLID

15B MATCH GEOMETRIC FIGURES WITH WORD NAMES, EQUIVALENT MEASURES

15C LABEL GEOMETRIC FIGURES USING MATHEMATICAL AND CHARACTERISTIC DESIGNATORS

15D USE A PROTRACTOR TO MEASURE ANGLES, MAKE GEOMETRICAL CONSTRUCTIONS

15E CONSTRUCT PERPENDICULAR ON A LINE SEGMENT, BISECTOR OF AN ANGLE

15F COMPUTE THE PERIMETER AND AREA OF ANY FIGURE

15G COMPUTE THE CIRCUMFERENCE AND AREA OF A CIRCLE

15H COMPUTE THE AREA AND VOLUME OF ANY SOLID FIGURE

15I USE FORMULAS IN SOLVING PROBLEMS INVOLVING GEOMETRIC FIGURES

15J SOLVE PROBLEMS & INTERPRET SPATIAL RELATIONS OF FIGURES, ETC FROM 2-D REP

16 COMBINATION OF PROCESSES

16A IDENTIFY MEDIAN AND MODE

16B COMPUTE AVERAGES

16C SOLVE PROBLEMS COMBINING ALL PROCESSES USING WHOLE, MIXED NOS. AND FRACTIONS

16D SOLVE PROBLEMS, COMBINING ALL PROCESSES, INVOLVING UNITS OF MEASUREMENT

16E INTERPRET INFO FROM CHARTS, NUMBER LINES, SCALES & GRAPHS TO SOLVE ARITH PROB

16F SOLVE CONVERSION PROBLEMS OF LINEAR, LIQUID, WEIGHT AND TEMPERATURE MEASURES

16G SOLVE PROBLEMS INVOLVING RATIO AND PROPORTION

16H SOLVE WORD PROBLEMS WHERE ANY MATHEMATICAL PROCESS MAY OCCUR

17 GRAPHING IN THE COORDINATE PLANE

17A IDENTIFY COORDINATES OF A POINT IN ANY GRID SYSTEM

17B IDENTIFY POINTS ON A LINE GRAPH

17C MATCH A GRAPH WITH ITS EQUATION

18 ALGEBRA

18A SOLVE SIMPLE ALGEBRAIC EQUATIONS WITH ONE UNKNOWN

18B RECOGNIZE AND DERIVE EQUIVALENT ALGEBRAIC EXPRESSIONS

18C EVALUATE POWERS AND ESTIMATE ROOTS

19 TRIGONOMETRY

19A USE TABLES OF TRIGONOMETRIC FUNCTIONS

19B USE TABLES OF LOGARITHMS TO SOLVE PROBLEMS

19C SOLVE GEOMETRIC PROBLEMS USING TRIGONOMETRIC FUNCTIONS

19D USE TRIGONOMETRIC RATIOS TO SOLVE PROBLEMS

25 PROCEDURAL DIRECTIONS

25A IDENTIFY FACTUAL DETAILS OR SPECIFICATIONS FOUND WITHIN A STATEMENT

25B SELECT PARTS OF TEXT AND VISUAL MATERIALS TO COMPLETE A TASK ACTIVITY

25C FOLLOW HIGHLY-DETAILED DIRECTIONS TO ACCOMPLISH SEQUENCE OF TASK ACTIVITIES

25D DETERMINE THE ESSENTIAL MESSAGE OF A PARAGRAPH OR SECTION OF WRITTEN MAT'L

25E INFER FROM A WRITTEN SOURCE, WHERE INFO IS NOT EXPLICIT, TO MAKE A DECISION

25F SYNTHESIZE INFO FROM WRITTEN SOURCES CONTRIBUTING TO COMPLETION OF TASK

26 VOCABULARY

26A RECOGNIZE COMMON WORDS AND THEIR MEANINGS

26B RECOGNIZE TASK-RELATED WORDS WITH TECHNICAL MEANINGS

26C IDENTIFY THE CORRECT MEANING OF A WORD FROM THE CONTEXT OF A SENTENCE

26D RECOGNIZE THE MEANING OF COMMON CONTRACTIONS, ABBREVIATIONS

AND ACRONYMS

26E DETERMINE MEANING OF FIG, IDIOM, TECH TERMS USING CONTEXT CLUES, REFERENCES

27 REFERENCE SKILLS

27A LOCATE TM, FM, OR ANY RELATED SOURCE DOCUMENT BY CODE NUMBER AND TITLE

27B ALPHABETIZE WORDS OR TOPICS TO LOCATE INFORMATION

27C USE TABLE OF CONTENTS, INDEX, HEADINGS, APPENDIX & GLOSSARY TO LOCATE INFO

27D LOCATE PAGE, TITLE, PARA, FIG, OR CHARTS TO ANSWER QUESTION/ SOLVE PROBLEM

27E DETERMINE, AFTER SCANNING OR SKIM-READING, WHETHER THE INFO IS RELEVANT

27F XREF W/IN & ACROSS SOURCE DOCUMENTS, SELECT INFO NEEDED TO PERFORM ROUTINE

27G ORGANIZE INFO FROM MULTIPLE SOURCES INTO A SEQUENCED SERIES OF EVENTS

28 TABLES/CHARTS

28A OBTAIN A FACT OR SPECIFICATION FROM A 2-COLUMN TABLE OR CHART TO FIND INFO

28B OBTAIN A FACT OR SPEC FROM AN INTERSECTION OF A ROW BY COLUMN TABLE OR CHART

28C USE COMPLEX TABLE/CHART REQUIRING XREF W/IN CHART OR IN COMBW/OUTSIDE TEXT

28D APPLY INFO FROM TABLES & CHARTS TO LOCATE MALFUNCTIONS/ SELECT ACTION COURSE

29 ILLUSTRATIONS

29A IDENTIFY DETAILS, LABELS, NUMBERS, AND PARTS FROM AN ILLUSTRATION OR PICTURE

29B IDENTIFY PARTS OR DETAILS ACCORDING TO A KEY OR LEGEND

29C INTERPRET A CROSS-SECTIONAL DRAWING OF AN OBJECT FOR ASSEMBLY OR DISASSEMBLY

29D INTERPRET 3-D PROJ OR EXPLODED VIEW FOR ASSEMBLY OR POSITION IN SYS/SUBSYS

29E FOLLOW ILLUSTRATIONS OR PHOTOGRAPHS, ARRANGED IN A SEQUENTIAL ORDER, AS GUIDE

29F INTEGRATE INFORMATION FROM VARIOUS SOURCES TO SELECT A COURSE OF ACTION

30 FLOW CHARTS

30A USE A SIMPLE LINEAR PATH OR ORGANIZATIONAL CHART TO LIST EVENTS IN SEQUENCE

30B USE A LINEAR PATH OF A FLOW CHART TO PROVIDE VISUAL AND TEXTUAL DIRECTIONS

30C TRANSLATE THE SIGNIFICANCE OF THE SYMBOLS INTO PHYSICAL ACTIVITIES

31 SCHEMATICS

31A ISOLATE EACH MAJOR SECTION OR ENTITY PRESENTED IN A SCHEMATIC DIAGRAM

31B IDENTIFY THE COMPONENTS WITHIN EACH ENTITY

31C TRACE CONNECTIONS IN AN INTEGRATED CIRCUIT FROM ORIGIN TO ANOTHER POINT

31D ISOLATE A PROBLEM COMPONENT IN A SCHEMATIC & TRACE IT TO CAUSING COMPONENTS

31E INTERPRET SYMBOLS TO INDICATE DIRECTION OF FLOW, TEST POINTS, COMPONENTS, ETC

32 FORMS

32A LOCATE THE BLOCK ON A FORM TO ENTER THE APPROPRIATE INFORMATION

32B TRANSFER A NO., DATE, ETC. FROM EQUIP. OR WRITTEN SOURCE TO SECTION OF FORM

32C WRITE NAME OF ORG., PERSONNEL, DISPOSITION, NOMENCLATURE ETC IN FORM SECTION

32D WRITE A DESCRIPTIVE ACCOUNT OF AN ACTIVITY OR TRANSACTION PERFORMED

32E USE A COMPLETED FORM TO LOCATE OR COMPARE INFORMATION

33 NOTE-TAKING

33A DISTINGUISH BETWEEN ESSENTIAL AND NON-ESSENTIAL DETAILS WHILE NOTE-TAKING

33B RECORD DETAILS W/O MISINTERPRETING INTENT OF WRITTEN MATERIAL OR INTERVIEW

33C REWRITE ALL RECORDED DETAILS IN SENTENCE FORM

33D ORGANIZE ALL SENTENCES INTO PARAGRAPHS

34 OUTLINING (TOPIC OR SENTENCE)

34A DISTINGUISH BETWEEN MAJOR AND SUBORDINATE TOPICS

34B GENERATE TITLES FOR EACH MAJOR TOPIC SELECTED

34C USE PHRASES/SENTENCES TO PROVIDE SUBORDINATE DETAILS FOR EACH MAJOR TOPIC

34D ALTERNATE, INDENT NUMBERS AND LETTERS TO ESTABLISH A HIERARCHY

35 REPORT WRITING

35A STATE THE INTENT OR OBJECTIVE(S) OF THE REPORT

35B DESCRIBE THE PARAMETERS OF THE EVENT OR SITUATION

35C DISTINGUISH BETWEEN RELEVANT AND IRRELEVANT DETAILS

35D SEQUENCE EVENTS IN THE ORDER THEY HAVE OCCURRED

35E STATE GENERAL IMPRESSIONS OF EVENTS DESCRIBED

35F SELECT EXAMPLES THAT WILL CLARIFY MAJOR ISSUES PRESENTED IN THE REPORT

35G EXAMINE OPPOSING POINTS OF VIEW IN THE REPORT

35H SUMMARIZE THE MAJOR POINTS DEVELOPED IN THE REPORT

35I JUSTIFY AN ACTION TAKEN AND GIVE REASONS FOR REJECTING ALTERNATIVES

36 EDITING

36A SPELL FREQUENTLY USED WORDS CORRECTLY

36B SPELL TASK-RELATED WORDS CORRECTLY

36C IDENTIFY WORDS THAT NEED TO BE CAPITALIZED

36D CORRECT ALL MISSPELLED WORDS WITH OR WITHOUT THE USE OF A REFERENCE SOURCE

36E APPLY ALL RULES FOR END MARKS, COMMAS, AND APOSTROPHES

36F APPLY COMMON RULES OF GRAMMAR

36G REWRITE PARAS: STATE MAIN IDEA IN FIRST SENTENCE,
RESTRUCTURE FOR COHERENCE

36H APPRAISE AN ENTIRE WRITTEN COMMUNICATION & MAKE ADJ. TO
IMPROVE CLARITY

37 TYPE

37A INDIVIDUAL - A PERSON WORKING ON A TASK AND COMMUNICATING
WITH ANOTHER

37B INSTRUCTION- COMMUNICATION BETWEEN INSTR. & INDIVID. OR
GROUP TO PASS FACTS

37C TUTOR-INTERACTION BETWEEN TWO PERSONS - ONE INSTRUCTING, ONE
DOING THE TASK

37D PEER GROUP(LESS THAN 10)- ACTIVITY WHERE ONE PERSON ASSUMES
LEADERSHIP ROLE

37E INTERVIEW - COMMUNICATING W/ANOTHER TO USE THE INFORMATION
IN A TASK

37F BRIEFING - COMMUNICATING FINAL INSTRUCTIONS OR GIVING AN
ACCOUNT IN SUMMARY

37G COUNSEL - COMMUNICATING TO EXCHANGE IDEAS OR OPINIONS TO
RECOMMEND, ADVISE

37H COMMAND - COMMUNICATE AN ORDER OR ACTION TO BE TAKEN

38 CHARACTERISTICS

38A ENUNCIATE CLEARLY, USING THE PROPER RATE OF SPEECH

38B USE TECHNICAL VOCABULARY SUITABLE TO THE TASK AND LEVEL OF
THE PERSON

38C DETERMINE THE APPROPRIATE AMOUNT OF INFORMATION TO
COMMUNICATE

38D INTERPRET FIGURATIVE OR IDIOMATIC LANGUAGE BY REFERENCE TO
USE IN CONTEXT

38E FOLLOW HIGHLY DETAILED, STEP-BY-STEP DIRECTIONS

38F SOLICIT FEEDBACK TO CONFIRM THE ACCURATE RECEPTION OF THE
COMMUNICATION

38G RECOGNIZE WHEN A LOW-KEY, INFORMAL DIALOGUE IS SUITABLE

38H RECOGNIZE WHEN DIRECT VERBAL COMMANDS ARE NECESSARY

38I RECOGNIZE WHEN A SERIES OF VERBAL INTERACTIONS IS REQUIRED TO COORDINATE

38J RECOGNIZE WHEN SITUATION WILL REQUIRE A STRUCTURED METHOD OF PRESENTATION

39 BARRIERS

39A RECOGNIZE NEED FOR CLEAR CONCISE DIRECTIONS: AVOID WORD-MEANING DIFFERENCES

39B RECOGNIZE PERSONALITY FACTORS & INTER-PERSONAL RELATIONSHIPS THAT MAY EXIST

39C RECOGNIZE FEEDBACK AIDS EFFECTIVE COMMUNICATION & INCREASES TASK COMPETENCE

40 PRECAUTIONS

40A USE COMMON KNOWLEDGE TO AVOID HAZARDS TO PREVENT INJURY TO SELF OR EQUIP.

40B APPLY PREVENTIVE MEASURES PRIOR TO TASK: MINIMIZE SAFETY OR SECURITY PROBLEMS

40C SELECT AN APPROPRIATE COURSE OF ACTION IN THE EVENT OF AN EMERGENCY

41 RECOGNITION

41A IDENTIFY SIMILARITIES AND DIFFERENCES BETWEEN AND AMONG OBJECTS

41B USE BODY LANGUAGE (MOTIONS, GESTURES, POSTURES) TO COMMUNICATE OR SIGNAL

41C DETERMINE THE PRESENCE OF A DEFECT OR EXTENT OF DAMAGE

41D MATCH OBJECTS BY SIZE, SHAPE, COLOR, AND SIGNIFICANT MARKING

41E CLASSIFY OBJECTS BY SIZE, SHAPE, COLOR AND SIGNIFICANT MARKINGS

41F DETERMINE DIRECTION, DURATION, AND INTENSITY OF SOUNDS, SIGHT SIGHTINGS, AND SMELLS

41G INFER FROM SIGHTS, SOUNDS, TOUCH, SMELLS, OR TASTES TO DETERMINE COURSE OF ACTION

41H INTERPRET CODES AND SYMBOLS

45 MOTOR SKILL

- 45A MULTI-LIMB COORDINATION: COORDINATE GROSS MOVEMENTS REQUIRING USE OF LARGE SKELETAL MUSCLES FOR STRENGTH
- 45B MANUAL DEXTERITY: MAKE SKILLFUL, CONTROLLED ARM/HAND MOVEMENTS IN MANIPULATING LARGE OBJECTS UNDER SPEED CONDITIONS
- 45C CONTROL PRECISION: HIGHLY CONTROLLED, PRECISE MUSCULAR ADJUSTMENTS, OPERATING CONTROLS BY HAND, ARM OR FOOT MOVEMENTS
- 45D RESPONSE ORIENTATION: SELECT APPROPRIATE RESPONSE, EACH PATTERN OF SIGNALS REQUIRES A DIFFERENT CHOICE OF CONTROLS AND DIRECTION AND MOVEMENT-SPEED AND ACCURACY
- 45E REACTION TIME: SPEED WITH WHICH AN INDIVIDUAL IS ABLE TO RESPOND TO AN AUDITORY OR VISUAL STIMULUS
- 45F RATE CONTROL: MAKE CONTINUOUS ANITICPATORY MOTOR ADJUSTMENTS RELATIVE TO CHANGES IN SPEED KOF A MOVING TARGET
- 45G FINGER DEXTERITY: SKILLFUL, CONTROLLED MANIPULATIONS OF SMALL OBJECTS, PRIMARILY FINGER MOVEMENTS OF SMALL
- 45H ARM-HAND STEADNESS: MAKE PRECISE ARM-HAND POSITIONING MOVEMENTS WHERE STRENGTH AND SPEED ARE MINIMIZED
- 45I WRIST-FINGER SPEED: MAKE RAID, PRECISE TURNING, TAPPING, TRIPPING, ALIGNING MOTIONS IN RESPONSE TO AUDITORY OR VISUAL STILULI

46 OPERATIONS

- 46A OPERATE EQUIPMENT OR BE A CREW MEMBER ENGGED IN MANUALLY LIFTING OR MOVING OBJECTS
- 46B USE HAND TOOLS CONSIDERED TO BE COMMON; DETERMINE SIZES AND AND SELECTION; PLIERS, SCREWDRIVERS, HAND DRILLS---SIMPLE MECHANICAL OPERATIONS, MAINLY REMOVE AND REPLACE
- 46C INSTALL, RELOCATE AND REMOVE
- 46D ADJUST, REPAIR, MAINTAIN MECHANICAL, ELECTRICAL, HYDRAULIC SYSTEMS OR SUBSYSTEMS; DISSEMBLE AND ASSEMBLE USING HAND TOOLS
- 46E TESTING EQUIPMENT USED IN THE PRODUCTION, TRANSMISSION DISTRIBUTION, AND UTILIZATION OF ENERGY SOURCES
- 46F CURRING, BENDING, TRIMMING, WELDING, RIVETING ETC. TO FORCE, SHAP OR FABRICATE METALS

46G OPERATOR CHECKS AND SERVICES IN RESPONSE TO A VARIETY
OF EXTERNAL SIGHTS AND SOUNDS

46H POSSESS THE PHYSICAL ABILITY TO PERFORM IN COMBAT
OR POLICE ACTIONS

46I CLERICAL DUTIES, MAINTAINING RECORDS, OPERATING
OFFICE MACHINES, PROCESSING DATA USING ELECTRONIC
MACHINES

46J PERFORM ACTS REQUIRING SKILL AND CARE OF INJURED OR
INFIRMED PERSONS

47 EQUIPMENT USE

48 OTHER

TABLE 2: Directory of Program and Input Files

JCL PROG	JOB NAME	PURPOSE	FORTRAN	FILES IN	FILES OUT
PRTPG1X	KJZPRT1	PRINT TPA-1 REPORTS	DSL1ST	MOS.PG1	PRINT
PRTCOMM	KJZPRTCM	PRINT COMMENTS FROM COMMENTS FILE	PRTCOMM	MOS.COMMENTS	PRINT
PRTDISCX	KJZPRTDS	PRINT DISCREPANCIES	PRTDISC	MOS.DISCREP	PRINT
PRT2NEWX	KJZPRT2N	PRINT TPA-2 REPORTS, NEW	PG2NEW SCAN	DECISION.DATA MOS.PG2	PRINT MOS.CODES MOS.PCINDN
PRT2OLDX	KJZPRT2O	PRINT TPA-2 REPORTS, OLD	PG2OLD SCAN	DECISION.DATA MOS.PG2	PRINT MOS.TECHPRE
PRTKAX	KJZPRTKA	PRINT K A REPORT	PRTKA CREAPC CREAIS	MOS.KA	PRINT MOS.PCCODE MOS.PCIND
PRTPCNX	KJZPRPCN	PRINT COMPLETE P C IND STMTS	PCALLN	PCC.NEW_S	PRINT
PRTPCINX	KJZPRTIN	PRINT P C IND STMTS, NEW	PCINDN	MOS.PCINDN	PRINT
PRTPCOX	KJZPRPCO	PRINT COMPLETE P C IND STMTS	PCALLO	PCC.OLD_S	PRINT
PRTPCIOX	KJZPRTIO	PRINT P C IND STMTS, OLD	PCINDO	MOS.PCIND	PRINT
PRTTPX	KJZPRTTP	PRINT TECH PREREQUISITES REPORT	TECHPRT	MOS.TECHPRE	PRINT
PRT3OLDX	KJZPRT3O	PRINT TPA-3 REPORT, OLD	PG3OLD KNOWEX	MOS.PG3	PRINT MOS.B_KNOW
PRT3NEWX	KJZPRT3N	PRT TPA-3 NEW REPORT	PG3NEW KNOWEX	MOS.PG3	PRINT MOS.B_KNOW
PRTKNX	KJZPRTKN	PRT KNOWLEDGE STATEMENTS	KNOWPRT	MOS.B_KNOW	PRINT
PRTERRX	KJZPRTER	PRT ERRATA	ERRATA	MOS.ERRATA	PRINT
PRTTPAXX	KJZPRTTX	PRINT TPAX REPORT	PRTTPAX	MOS.TPAX	PRINT
TASKCOMP	KJZPRTTC	PRINT COMPLETE TASK STATEMENT	TASKPRT	TASK.COMPLETE	PRINT
TASKMOS	KJZPRTTM	PRINT TASK STATEMENT-MOS	DSL1ST	MOS.TASKPRT	PRINT
PRTSUBT	KJZPRTST	PRINT COMPLETE SUBTASK LIST	SUBTASK SCANX	DECISION.DATA SUB.SUBTASK	PRINT
PRTSUBLS	KJZPRTSL	PRINT SUBTASK LIST	DSL1ST	MOS.SUBLIST	PRINT

TABLE 3: MOS Baseline Skills Data Base Tapes

TAPE VOLUMES V07104,V07105, *

V07191 *

LAST UPDATE: 04/23/83 *

RECORDSIZE 80 BLOCKSIZE 800 *

CONTENTS: TPA-2 *

TOTAL TAPE MARKS: 72 *

TOTAL RECORDS: 551,799 *

DATA SET	FORMAT	TP NUMBER	TP MK
WTGFKJZ.000.PG2	NEW	029435	1
WTGFKJZ.05B.PG2	OLD	029435	2
WTGFKJZ.05C.PG2	OLD	029435	3
WTGFKJZ.05G.PG2	NEW	029435	4
WTGFKJZ.11B.PG2	NEW	029435	5
WTGFKJZ.11C.PG2	NEW	029435	6
WTGFKJZ.11H.PG2	NEW	029435	7
WTGFKJZ.11M.PG2	NEW	029435	8
WTGFKJZ.12B.PG2	NEW	029435	9
WTGFKJZ.13B.PG2	NEW	029435	10
WTGFKJZ.13E.PG2	NEW	029435	11
WTGFKJZ.13F.PG2	OLD	029435	12
WTGFKJZ.15D.PG2	OLD	029435	13
WTGFKJZ.15E.PG2	NEW	029435	14
WTGFKJZ.16D.PG2	OLD	029435	15
WTGFKJZ.16E.PG2	OLD	029435	16
WTGFKJZ.16H.PG2	NEW	029435	17
WTGFKJZ.16P.PG2	NEW	029435	18
WTGFKJZ.17B.PG2	NEW	029435	19
WTGFKJZ.17C.PG2	NEW	029435	20
WTGFKJZ.17K.PG2	NEW	029435	21
WTGFKJZ.19D.PG2	NEW	029435	22
WTGFKJZ.19E.PG2	NEW	029435	23
WTGFKJZ.24C.PG2	NEW	029435	24
WTGFKJZ.24H.PG2	NEW	029435	25
WTGFKJZ.26L.PG2	OLD	029435	26
WTGFKJZ.26Q.PG2	OLD	029435	27
WTGFKJZ.27E.PG2	NEW	029435	28
WTGFKJZ.31J.PG2	NEW	029435	29
WTGFKJZ.31M.PG2	OLD	029435	30
WTGFKJZ.31N.PG2	NEW	029435	31
WTGFKJZ.31V.PG2	NEW	029435	32
WTGFKJZ.32D.PG2	NEW	029435	33
WTGFKJZ.32H.PG2	NEW	029435	34
WTGFKJZ.33S.PG2	NEW	029435	35
WTGFKJZ.35K.PG2	NEW	029435	36
WTGFKJZ.36C.PG2	NEW	029435	37
WTGFKJZ.36K.PG2	NEW	029435	38
WTGFKJZ.43E.PG2	NEW	029435	39
WTGFKJZ.43M.PG2	OLD	029435	40
WTGFKJZ.44B.PG2	OLD	029435	41
WTGFKJZ.44E.PG2	OLD	029435	42

WTGFKJZ.45B.PG2	NEW	029435	43
WTGFKJZ.45K.PG2	NEW	029435	44
WTGFKJZ.52C.PG2	NEW	029435	45
WTGFKJZ.52D.PG2	NEW	029435	46
WTGFKJZ.54E.PG2	NEW	029435	47
WTGFKJZ.55B.PG2	NEW	029435	48
WTGFKJZ.55D.PG2	NEW	029435	49
WTGFKJZ.57E.PG2	OLD	029435	50
WTGFKJZ.57H.PG2	NEW	029435	51
WTGFKJZ.61B.PG2	OLD	029435	52
WTGFKJZ.61C.PG2	NEW	029435	53
WTGFKJZ.62B.PG2	NEW	029435	54
WTGFKJZ.62E.PG2	NEW	029435	55
WTGFKJZ.63G.PG2	NEW	029435	56
WTGFKJZ.63H.PG2	OLD	029435	57
WTGFKJZ.63N.PG2	NEW	029435	58
WTGFKJZ.63W.PG2	OLD	029435	59
WTGFKJZ.64C.PG2	NEW	029435	60
WTGFKJZ.67G.PG2	NEW	029435	61
WTGFKJZ.67N.PG2	NEW	029435	62
WTGFKJZ.67T.PG2	NEW	029435	63
WTGFKJZ.67U.PG2	OLD	029435	64
WTGFKJZ.67V.PG2	NEW	029435	65
WTGFKJZ.67Y.PG2	NEW	029435	66
WTGFKJZ.68B.PG2	NEW	029435	67
WTGFKJZ.68D.PG2	NEW	029435	68
WTGFKJZ.68F.PG2	NEW	029435	69
WTGFKJZ.68G.PG2	OLD	029435	70
WTGFKJZ.68H.PG2	NEW	029435	71
WTGFKJZ.68J.PG2	NEW	029435	72
WTGFKJZ.68M.PG2	NEW	029435	73

TAPE VOLUMES V07106, V07107,*

V07192 *

LAST UPDATE: 04/23/83 *

RECORDSIZE 80 BLOCKSIZE 800 *

CONTENTS: TPA-2 *

TOTAL TAPE MARKS: 21 *

TOTAL RECORDS: 113,315 *

DATA SET	FORMAT	TP NUMBER	TP MK
WTGFKJZ.71D.PG2	OLD	029604	1
WTGFKJZ.71L.PG2	OLD	029604	2
WTGFKJZ.71M.PG2	NEW	029604	3
WTGFKJZ.71P.PG2	NEW	029604	4
WTGFKJZ.71Q.PG2	OLD	029604	5
WTGFKJZ.72E.PG2	NEW	029604	6
WTGFKJZ.74D.PG2	NEW	029604	7
WTGFKJZ.74F.PG2	NEW	029604	8
WTGFKJZ.75B.PG2	OLD	029604	9
WTGFKJZ.76C.PG2	NEW	029604	10
WTGFKJZ.76P.PG2	NEW	029604	11
WTGFKJZ.76V.PG2	NEW	029604	12
WTGFKJZ.76W.PG2	NEW	029604	13

WTGFKJZ.76X.PG2	OLD	029604	14
WTGFKJZ.76Y.PG2	NEW	029604	15
WTGFKJZ.82C.PG2	NEW	029604	16
WTGFKJZ.91B.PG2	NEW	029604	17
WTGFKJZ.93J.PG2	NEW	029604	18
WTGFKJZ.94B.PG2	NEW	029604	19
WTGFKJZ.95B.PG2	NEW	029604	20
WTGFKJZ.95C.PG2	NEW	029604	21
WTGFKJZ.96B.PG2	OLD	029604	22

TAPE VOLUMES V07108 - V07110*

LAST UPDATE: 05/10/83 *

RECORDSIZE 92 BLOCKSIZE 920 *

CONTENTS: TPA-1 *

TAPE MARKS: 1 - 94 *

TOTAL RECORDS: 464,940 *

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RECORDSIZE 80 BLOCKSIZE 800 *

CONTENTS: COMMENTS *

TAPE MARKS: 95 - 171 *

TOTAL RECORDS: 10,106 *

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RECORDSIZE 80 BLOCKSIZE 800 *

CONTENTS: ERRATA *

TAPE MARKS: 172 - 243 *

TOTAL RECORDS: 12,429 *

DATA SET	TP NUMBER	TP	MK
WTGFKJZ.000.PG1	029043	1	
WTGFKJZ.05B.PG1	029043	2	
WTGFKJZ.05C.PG1	029043	3	
WTGFKJZ.05G.PG1	029043	4	
WTGFKJZ.11B.PG1	029043	5	
WTGFKJZ.11C.PG1	029043	6	
WTGFKJZ.11H.PG1	029043	7	
WTGFKJZ.11M.PG1	029043	8	
WTGFKJZ.12B.PG1	029043	9	
WTGFKJZ.13B.PG1	029043	10	
WTGFKJZ.13E.PG1	029043	11	
WTGFKJZ.13F.PG1	029043	12	
WTGFKJZ.15D.PG1	029043	13	
WTGFKJZ.15E.PG1	029043	14	
WTGFKJZ.16D.PG1	029043	15	
WTGFKJZ.16E.PG1	029043	16	
WTGFKJZ.16H.PG1	029043	17	
WTGFKJZ.16P.PG1	029043	18	
WTGFKJZ.17B.PG1	029043	19	
WTGFKJZ.17C.PG1	029043	20	
WTGFKJZ.17K.PG1	029043	21	
WTGFKJZ.19D.PG1	029043	22	
WTGFKJZ.19E.PG1	029043	23	
WTGFKJZ.24C.PG1	029043	24	
WTGFKJZ.24H.PG1	029043	25	
WTGFKJZ.26L.PG1	029043	26	

WTGFKJZ.26Q.PG1	029043	27
WTGFKJZ.27E.PG1	029043	28
WTGFKJZ.31J.PG1	029043	29
WTGFKJZ.31M.PG1	029043	30
WTGFKJZ.31N.PG1	029043	31
WTGFKJZ.31V.PG1	029043	32
WTGFKJZ.32D.PG1	029043	33
WTGFKJZ.32H.PG1	029043	34
WTGFKJZ.33S.PG1	029043	35
WTGFKJZ.35K.PG1	029043	36
WTGFKJZ.36C.PG1	029043	37
WTGFKJZ.36K.PG1	029043	38
WTGFKJZ.43E.PG1	029043	39
WTGFKJZ.43M.PG1	029043	40
WTGFKJZ.44B.PG1	029043	41
WTGFKJZ.44E.PG1	029043	42
WTGFKJZ.45B.PG1	029043	43
WTGFKJZ.45K.PG1	029043	44
WTGFKJZ.52C.PG1	029043	45
WTGFKJZ.52D.PG1	029043	46
WTGFKJZ.54E.PG1	029043	47
WTGFKJZ.55B.PG1	029043	48
WTGFKJZ.55D.PG1	029043	49
WTGFKJZ.57E.PG1	029043	50
WTGFKJZ.57H.PG1	029043	51
WTGFKJZ.61B.PG1	029043	52
WTGFKJZ.61C.PG1	029043	53
WTGFKJZ.62B.PG1	029043	54
WTGFKJZ.62E.PG1	029043	55
WTGFKJZ.63G.PG1	029043	56
WTGFKJZ.63H.PG1	029043	57
WTGFKJZ.63N.PG1	029043	58
WTGFKJZ.63W.PG1	029043	59
WTGFKJZ.64C.PG1	029043	60
WTGFKJZ.67G.PG1	029043	61
WTGFKJZ.67N.PG1	029043	62
WTGFKJZ.67T.PG1	029043	63
WTGFKJZ.67U.PG1	029043	64
WTGFKJZ.67V.PG1	029043	65
WTGFKJZ.67Y.PG1	029043	66
WTGFKJZ.68B.PG1	029043	67
WTGFKJZ.68D.PG1	029043	68
WTGFKJZ.68F.PG1	029043	69
WTGFKJZ.68G.PG1	029043	70
WTGFKJZ.68H.PG1	029043	71
WTGFKJZ.68J.PG1	029043	72
WTGFKJZ.68M.PG1	029043	73
WTGFKJZ.71D.PG1	029043	74
WTGFKJZ.71L.PG1	029043	75
WTGFKJZ.71M.PG1	029043	76
WTGFKJZ.71P.PG1	029043	77
WTGFKJZ.71Q.PG1	029043	78
WTGFKJZ.72E.PG1	029043	79
WTGFKJZ.74D.PG1	029043	80

WTGFKJZ.74F.PG1	029043	81
WTGFKJZ.75B.PG1	029043	82
WTGFKJZ.76C.PG1	029043	83
WTGFKJZ.76P.PG1	029043	84
WTGFKJZ.76V.PG1	029043	85
WTGFKJZ.76W.PG1	029043	86
WTGFKJZ.76X.PG1	029043	87
WTGFKJZ.76Y.PG1	029043	88
WTGFKJZ.82C.PG1	029043	89
WTGFKJZ.91B.PG1	029043	90
WTGFKJZ.93J.PG1	029043	91
WTGFKJZ.94B.PG1	029043	92
WTGFKJZ.95B.PG1	029043	93
WTGFKJZ.95C.PG1	029043	94
WTGFKJZ.96B.PG1	029043	95
WTGFKJZ.000.COMMENTS	029043	96
WTGFKJZ.05B.COMMENTS	029043	97
WTGFKJZ.05C.COMMENTS	029043	98
WTGFKJZ.05G.COMMENTS	029043	99
WTGFKJZ.11B.COMMENTS	029043	100
WTGFKJZ.11C.COMMENTS	029043	101
WTGFKJZ.11H.COMMENTS	029043	102
WTGFKJZ.11M.COMMENTS	029043	103
WTGFKJZ.12B.COMMENTS	029043	104
WTGFKJZ.13B.COMMENTS	029043	105
WTGFKJZ.13E.COMMENTS	029043	106
WTGFKJZ.13F.COMMENTS	029043	107
WTGFKJZ.15E.COMMENTS	029043	108
WTGFKJZ.16D.COMMENTS	029043	109
WTGFKJZ.16E.COMMENTS	029043	110
WTGFKJZ.16H.COMMENTS	029043	111
WTGFKJZ.16P.COMMENTS	029043	112
WTGFKJZ.17B.COMMENTS	029043	113
WTGFKJZ.17C.COMMENTS	029043	114
WTGFKJZ.17K.COMMENTS	029043	115
WTGFKJZ.19D.COMMENTS	029043	116
WTGFKJZ.19E.COMMENTS	029043	117
WTGFKJZ.24C.COMMENTS	029043	118
WTGFKJZ.24H.COMMENTS	029043	119
WTGFKJZ.26L.COMMENTS	029043	120
WTGFKJZ.26Q.COMMENTS	029043	121
WTGFKJZ.27E.COMMENTS	029043	122
WTGFKJZ.31J.COMMENTS	029043	123
WTGFKJZ.31M.COMMENTS	029043	124
WTGFKJZ.31V.COMMENTS	029043	125
WTGFKJZ.32H.COMMENTS	029043	126
WTGFKJZ.33S.COMMENTS	029043	127
WTGFKJZ.35K.COMMENTS	029043	128
WTGFKJZ.36C.COMMENTS	029043	129
WTGFKJZ.36K.COMMENTS	029043	130
WTGFKJZ.43E.COMMENTS	029043	131
WTGFKJZ.43M.COMMENTS	029043	132
WTGFKJZ.45B.COMMENTS	029043	133
WTGFKJZ.45K.COMMENTS	029043	134

WTGFKJZ.52C.COMMENTS	029043	135
WTGFKJZ.52D.COMMENTS	029043	136
WTGFKJZ.54E.COMMENTS	029043	137
WTGFKJZ.55B.COMMENTS	029043	138
WTGFKJZ.57H.COMMENTS	029043	139
WTGFKJZ.61B.COMMENTS	029043	140
WTGFKJZ.61C.COMMENTS	029043	141
WTGFKJZ.62B.COMMENTS	029043	142
WTGFKJZ.63G.COMMENTS	029043	143
WTGFKJZ.63H.COMMENTS	029043	144
WTGFKJZ.63N.COMMENTS	029043	145
WTGFKJZ.63W.COMMENTS	029043	146
WTGFKJZ.64C.COMMENTS	029043	147
WTGFKJZ.67N.COMMENTS	029043	148
WTGFKJZ.67T.COMMENTS	029043	149
WTGFKJZ.67U.COMMENTS	029043	150
WTGFKJZ.67V.COMMENTS	029043	151
WTGFKJZ.67Y.COMMENTS	029043	152
WTGFKJZ.68B.COMMENTS	029043	153
WTGFKJZ.68G.COMMENTS	029043	154
WTGFKJZ.68J.COMMENTS	029043	155
WTGFKJZ.68M.COMMENTS	029043	156
WTGFKJZ.71D.COMMENTS	029043	157
WTGFKJZ.71L.COMMENTS	029043	158
WTGFKJZ.71M.COMMENTS	029043	159
WTGFKJZ.71P.COMMENTS	029043	160
WTGFKJZ.72E.COMMENTS	029043	161
WTGFKJZ.74D.COMMENTS	029043	162
WTGFKJZ.74F.COMMENTS	029043	163
WTGFKJZ.75B.COMMENTS	029043	164
WTGFKJZ.76C.COMMENTS	029043	165
WTGFKJZ.76V.COMMENTS	029043	166
WTGFKJZ.82C.COMMENTS	029043	167
WTGFKJZ.91B.COMMENTS	029043	168
WTGFKJZ.94B.COMMENTS	029043	169
WTGFKJZ.95B.COMMENTS	029043	170
WTGFKJZ.95C.COMMENTS	029043	171
WTGFKJZ.96B.COMMENTS	029043	172
WTGFKJZ.05B.ERRATA	029043	173
WTGFKJZ.05C.ERRATA	029043	174
WTGFKJZ.05G.ERRATA	029043	175
WTGFKJZ.11B.ERRATA	029043	176
WTGFKJZ.11C.ERRATA	029043	177
WTGFKJZ.11H.ERRATA	029043	178
WTGFKJZ.11M.ERRATA	029043	179
WTGFKJZ.12B.ERRATA	029043	180
WTGFKJZ.13B.ERRATA	029043	181
WTGFKJZ.13E.ERRATA	029043	182
WTGFKJZ.13F.ERRATA	029043	183
WTGFKJZ.15D.ERRATA	029043	184
WTGFKJZ.15E.ERRATA	029043	185
WTGFKJZ.16D.ERRATA	029043	186
WTGFKJZ.16E.ERRATA	029043	187
WTGFKJZ.16H.ERRATA	029043	188

WTGFKJZ.16P.ERRATA	029043	189
WTGFKJZ.17B.ERRATA	029043	190
WTGFKJZ.17C.ERRATA	029043	191
WTGFKJZ.17K.ERRATA	029043	192
WTGFKJZ.19D.ERRATA	029043	193
WTGFKJZ.24H.ERRATA	029043	194
WTGFKJZ.26L.ERRATA	029043	195
WTGFKJZ.31M.ERRATA	029043	196
WTGFKJZ.31V.ERRATA	029043	197
WTGFKJZ.32D.ERRATA	029043	198
WTGFKJZ.32H.ERRATA	029043	199
WTGFKJZ.33S.ERRATA	029043	200
WTGFKJZ.35K.ERRATA	029043	201
WTGFKJZ.36C.ERRATA	029043	202
WTGFKJZ.36K.ERRATA	029043	203
WTGFKJZ.43E.ERRATA	029043	204
WTGFKJZ.43M.ERRATA	029043	205
WTGFKJZ.44B.ERRATA	029043	206
WTGFKJZ.44E.ERRATA	029043	207
WTGFKJZ.45B.ERRATA	029043	208
WTGFKJZ.45K.ERRATA	029043	209
WTGFKJZ.52C.ERRATA	029043	210
WTGFKJZ.52D.ERRATA	029043	211
WTGFKJZ.55B.ERRATA	029043	212
WTGFKJZ.55D.ERRATA	029043	213
WTGFKJZ.57E.ERRATA	029043	214
WTGFKJZ.61B.ERRATA	029043	215
WTGFKJZ.62E.ERRATA	029043	216
WTGFKJZ.63G.ERRATA	029043	217
WTGFKJZ.63H.ERRATA	029043	218
WTGFKJZ.63N.ERRATA	029043	219
WTGFKJZ.63W.ERRATA	029043	220
WTGFKJZ.67N.ERRATA	029043	221
WTGFKJZ.67U.ERRATA	029043	222
WTGFKJZ.67V.ERRATA	029043	223
WTGFKJZ.67Y.ERRATA	029043	224
WTGFKJZ.68G.ERRATA	029043	225
WTGFKJZ.71D.ERRATA	029043	226
WTGFKJZ.71L.ERRATA	029043	227
WTGFKJZ.71M.ERRATA	029043	228
WTGFKJZ.71P.ERRATA	029043	229
WTGFKJZ.71Q.ERRATA	029043	230
WTGFKJZ.72E.ERRATA	029043	231
WTGFKJZ.74D.ERRATA	029043	232
WTGFKJZ.74F.ERRATA	029043	233
WTGFKJZ.75B.ERRATA	029043	234
WTGFKJZ.76C.ERRATA	029043	235
WTGFKJZ.76P.ERRATA	029043	236
WTGFKJZ.76V.ERRATA	029043	237
WTGFKJZ.76W.ERRATA	029043	238
WTGFKJZ.76Y.ERRATA	029043	239
WTGFKJZ.82C.ERRATA	029043	240
WTGFKJZ.93J.ERRATA	029043	241
WTGFKJZ.94B.ERRATA	029043	242

WTGFKJZ.95C.ERRATA 029043 243
 WTGFKJZ.96B.ERRATA 029043 244

TAPE VOLUMES V07163 - V07165*

LAST UPDATE: 05/15/83 *

RECORDSIZE 80 BLOCKSIZE 800 *

CONTENTS: TPA-3 *

TAPE MARKS: 1 - 27 *

TOTAL RECORDS: 62,674 *

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CONTENTS: KA *

TAPE MARKS: 28 - 51 *

TOTAL RECORDS: 44,936 *

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CONTENTS: TPA-X *

TAPE MARKS: 52 - 54 *

TOTAL RECORDS: 1,180 *

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TOTAL TAPE RECORDS: 108,790 *

DATA SET	FORMAT	TP NUMBER	TP MK
WTGFKJZ.05B.PG3	OLD	029746	1
WTGFKJZ.05C.PG3	OLD	029746	2
WTGFKJZ.13F.PG3	OLD	029746	3
WTGFKJZ.15D.PG3	OLD	029746	4
WTGFKJZ.16D.PG3	OLD	029746	5
WTGFKJZ.16E.PG3	OLD	029746	6
WTGFKJZ.24H.PG3	NEW	029746	7
WTGFKJZ.26L.PG3	OLD	029746	8
WTGFKJZ.26Q.PG3	OLD	029746	9
WTGFKJZ.31M.PG3	OLD	029746	10
WTGFKJZ.43M.PG3	OLD	029746	11
WTGFKJZ.44B.PG3	OLD	029746	12
WTGFKJZ.44E.PG3	OLD	029746	13
WTGFKJZ.57E.PG3	OLD	029746	14
WTGFKJZ.61B.PG3	OLD	029746	15
WTGFKJZ.63H.PG3	OLD	029746	16
WTGFKJZ.63W.PG3	OLD	029746	17
WTGFKJZ.64C.PG3	NEW	029746	18
WTGFKJZ.67U.PG3	OLD	029746	19
WTGFKJZ.68G.PG3	OLD	029746	20
WTGFKJZ.71D.PG3	OLD	029746	21
WTGFKJZ.71L.PG3	OLD	029746	22
WTGFKJZ.71Q.PG3	OLD	029746	23
WTGFKJZ.75B.PG3	OLD	029746	24
WTGFKJZ.76X.PG3	OLD	029746	25
WTGFKJZ.91B.PG3	NEW	029746	26
WTGFKJZ.91B.PG3	OLD	029746	27
WTGFKJZ.96B.PG3	OLD	029746	28
WTGFKJZ.05B.KA	OLD	029746	29
WTGFKJZ.05C.KA	OLD	029746	30
WTGFKJZ.13F.KA	OLD	029746	31
WTGFKJZ.15D.KA	OLD	029746	32
WTGFKJZ.16D.KA	OLD	029746	33

WTGFKJZ.16E.KA	OLD	029746	34
WTGFKJZ.26L.KA	OLD	029746	35
WTGFKJZ.26Q.KA	OLD	029746	36
WTGFKJZ.31M.KA	OLD	029746	37
WTGFKJZ.43M.KA	OLD	029746	38
WTGFKJZ.44B.KA	OLD	029746	39
WTGFKJZ.44E.KA	OLD	029746	40
WTGFKJZ.57E.KA	OLD	029746	41
WTGFKJZ.61B.KA	OLD	029746	42
WTGFKJZ.63H.KA	OLD	029746	43
WTGFKJZ.63W.KA	OLD	029746	44
WTGFKJZ.67U.KA	OLD	029746	45
WTGFKJZ.68G.KA	OLD	029746	46
WTGFKJZ.71D.KA	OLD	029746	47
WTGFKJZ.71L.KA	OLD	029746	48
WTGFKJZ.71Q.KA	OLD	029746	49
WTGFKJZ.75B.KA	OLD	029746	50
WTGFKJZ.76X.KA	OLD	029746	51
WTGFKJZ.96B.KA	OLD	029746	52
WTGFKJZ.19D.TPAX	NEW	029746	53
WTGFKJZ.19E.TPAX	NEW	029746	54
WTGFKJZ.71Q.TPAX	OLD	029746	55

TAPE VOLUMES V07166 - V07168*

LAST UPDATE: 05/16/83 *

RECORDSIZE 61 BLOCKSIZE 610 *

CONTENTS: PC INDICATOR *

STATEMENTS BSEP I *

TOTAL TAPE MARKS: 71 *

TOTAL RECORDS: 623,673 *

DATA SET	TP NUMBER	TP MK
WTGFKJZ.000.PCINDN1	052078	1
WTGFKJZ.05G.PCINDN1	052078	2
WTGFKJZ.11B.PCINDN1	052078	3
WTGFKJZ.11C.PCINDN1	052078	4
WTGFKJZ.11H.PCINDN1	052078	5
WTGFKJZ.11M.PCINDN1	052078	6
WTGFKJZ.12B.PCINDN1	052078	7
WTGFKJZ.13B.PCINDN1	052078	8
WTGFKJZ.13E.PCINDN1	052078	9
WTGFKJZ.15E.PCINDN1	052078	10
WTGFKJZ.16H.PCINDN1	052078	11
WTGFKJZ.16P.PCINDN1	052078	12
WTGFKJZ.17B.PCINDN1	052078	13
WTGFKJZ.17C.PCINDN1	052078	14
WTGFKJZ.17K.PCINDN1	052078	15
WTGFKJZ.19D.PCINDN1	052078	16
WTGFKJZ.19E.PCINDN1	052078	17
WTGFKJZ.24C.PCINDN1	052078	18
WTGFKJZ.24H.PCINDN1	052078	19
WTGFKJZ.27E.PCINDN1	052078	20
WTGFKJZ.31J.PCINDN1	052078	21
WTGFKJZ.31N.PCINDN1	052078	22

WTGFKJZ.31V.PCINDN1	052078	23
WTGFKJZ.32D.PCINDN1	052078	24
WTGFKJZ.32H.PCINDN1	052078	25
WTGFKJZ.33S.PCINDN1	052078	26
WTGFKJZ.35K.PCINDN1	052078	27
WTGFKJZ.36C.PCINDN1	052078	28
WTGFKJZ.36K.PCINDN1	052078	29
WTGFKJZ.43E.PCINDN1	052078	30
WTGFKJZ.45B.PCINDN1	052078	31
WTGFKJZ.45K.PCINDN1	052078	32
WTGFKJZ.52C.PCINDN1	052078	33
WTGFKJZ.52D.PCINDN1	052078	34
WTGFKJZ.54E.PCINDN1	052078	35
WTGFKJZ.55B.PCINDN1	052078	36
WTGFKJZ.55D.PCINDN1	052078	37
WTGFKJZ.57H.PCINDN1	052078	38
WTGFKJZ.61C.PCINDN1	052078	39
WTGFKJZ.62B.PCINDN1	052078	40
WTGFKJZ.62E.PCINDN1	052078	41
WTGFKJZ.63G.PCINDN1	052078	42
WTGFKJZ.63N.PCINDN1	052078	43
WTGFKJZ.64C.PCINDN1	052078	44
WTGFKJZ.67G.PCINDN1	052078	45
WTGFKJZ.67N.PCINDN1	052078	46
WTGFKJZ.67T.PCINDN1	052078	47
WTGFKJZ.67V.PCINDN1	052078	48
WTGFKJZ.67Y.PCINDN1	052078	49
WTGFKJZ.68B.PCINDN1	052078	50
WTGFKJZ.68D.PCINDN1	052078	51
WTGFKJZ.68F.PCINDN1	052078	52
WTGFKJZ.68H.PCINDN1	052078	53
WTGFKJZ.68J.PCINDN1	052078	54
WTGFKJZ.68M.PCINDN1	052078	55
WTGFKJZ.71M.PCINDN1	052078	56
WTGFKJZ.71P.PCINDN1	052078	57
WTGFKJZ.72E.PCINDN1	052078	58
WTGFKJZ.74D.PCINDN1	052078	59
WTGFKJZ.74F.PCINDN1	052078	60
WTGFKJZ.76C.PCINDN1	052078	61
WTGFKJZ.76P.PCINDN1	052078	62
WTGFKJZ.76V.PCINDN1	052078	63
WTGFKJZ.76W.PCINDN1	052078	64
WTGFKJZ.76Y.PCINDN1	052078	65
WTGFKJZ.82C.PCINDN1	052078	66
WTGFKJZ.91B.PCINDN1	052078	67
WTGFKJZ.93J.PCINDN1	052078	68
WTGFKJZ.94B.PCINDN1	052078	69
WTGFKJZ.95B.PCINDN1	052078	70
WTGFKJZ.95C.PCINDN1	052078	71

TAPE VOLUMES V07169 - V07171*

LAST UPDATE: 05/16/83 *

RECORDSIZE 61 BLOCKSIZE 610 *

CONTENTS: PC INDICATOR *

STATEMENTS BSEP II*

TOTAL TAPE MARKS: 69 *

TOTAL RECORDS: 324,300 *

DATA SET	TP NUMBER	TP MK
WTGFKJZ.000.PCINDN2	051521	1
WTGFKJZ.05G.PCINDN2	051521	2
WTGFKJZ.11B.PCINDN2	051521	3
WTGFKJZ.11C.PCINDN2	051521	4
WTGFKJZ.11H.PCINDN2	051521	5
WTGFKJZ.11M.PCINDN2	051521	6
WTGFKJZ.12B.PCINDN2	051521	7
WTGFKJZ.13B.PCINDN2	051521	8
WTGFKJZ.13E.PCINDN2	051521	9
WTGFKJZ.15E.PCINDN2	051521	10
WTGFKJZ.16H.PCINDN2	051521	11
WTGFKJZ.16P.PCINDN2	051521	12
WTGFKJZ.17B.PCINDN2	051521	13
WTGFKJZ.17C.PCINDN2	051521	14
WTGFKJZ.17K.PCINDN2	051521	15
WTGFKJZ.19D.PCINDN2	051521	16
WTGFKJZ.19E.PCINDN2	051521	17
WTGFKJZ.24C.PCINDN2	051521	18
WTGFKJZ.24H.PCINDN2	051521	19
WTGFKJZ.27E.PCINDN2	051521	20
WTGFKJZ.31J.PCINDN2	051521	21
WTGFKJZ.31N.PCINDN2	051521	22
WTGFKJZ.31V.PCINDN2	051521	23
WTGFKJZ.32D.PCINDN2	051521	24
WTGFKJZ.32H.PCINDN2	051521	25
WTGFKJZ.33S.PCINDN2	051521	26
WTGFKJZ.35K.PCINDN2	051521	27
WTGFKJZ.36C.PCINDN2	051521	28
WTGFKJZ.36K.PCINDN2	051521	29
WTGFKJZ.43E.PCINDN2	051521	30
WTGFKJZ.45B.PCINDN2	051521	31
WTGFKJZ.45K.PCINDN2	051521	32
WTGFKJZ.52C.PCINDN2	051521	33
WTGFKJZ.52D.PCINDN2	051521	34
WTGFKJZ.54E.PCINDN2	051521	35
WTGFKJZ.55B.PCINDN2	051521	36
WTGFKJZ.55D.PCINDN2	051521	37
WTGFKJZ.57H.PCINDN2	051521	38
WTGFKJZ.61C.PCINDN2	051521	39
WTGFKJZ.62B.PCINDN2	051521	40
WTGFKJZ.62E.PCINDN2	051521	41
WTGFKJZ.63G.PCINDN2	051521	42
WTGFKJZ.63N.PCINDN2	051521	43
WTGFKJZ.64C.PCINDN2	051521	44
WTGFKJZ.67G.PCINDN2	051521	45
WTGFKJZ.67N.PCINDN2	051521	46
WTGFKJZ.67T.PCINDN2	051521	47
WTGFKJZ.67V.PCINDN2	051521	48
WTGFKJZ.67Y.PCINDN2	051521	49

WTGFKJZ.68B.PCINDN2	051521	50
WTGFKJZ.68D.PCINDN2	051521	51
WTGFKJZ.68F.PCINDN2	051521	52
WTGFKJZ.68H.PCINDN2	051521	53
WTGFKJZ.68J.PCINDN2	051521	54
WTGFKJZ.68M.PCINDN2	051521	55
WTGFKJZ.71M.PCINDN2	051521	56
WTGFKJZ.71P.PCINDN2	051521	57
WTGFKJZ.72E.PCINDN2	051521	58
WTGFKJZ.74D.PCINDN2	051521	59
WTGFKJZ.74F.PCINDN2	051521	60
WTGFKJZ.76P.PCINDN2	051521	61
WTGFKJZ.76V.PCINDN2	051521	62
WTGFKJZ.76W.PCINDN2	051521	63
WTGFKJZ.76Y.PCINDN2	051521	64
WTGFKJZ.82C.PCINDN2	051521	65
WTGFKJZ.91B.PCINDN2	051521	66
WTGFKJZ.93J.PCINDN2	051521	67
WTGFKJZ.94B.PCINDN2	051521	68
WTGFKJZ.95B.PCINDN2	051521	69
WTGFKJZ.95C.PCINDN2	051521	70

TAPE VOLUMES V07111, V07113,*
V07173 *

LAST UPDATE: 10/04/83 *
RECORDSIZE 80 BLOCKSIZE 800 *
CONTENTS: SUBLIST *
TAPE MARKS: 1 - 44 *
TOTAL RECORDS: 2,438 *

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CONTENTS: COMPLETE SUBTASK *
RECORDSIZE 80 BLOCKSIZE 800 *
TAPE MARKS: 45 - 105 *
TOTAL RECORDS: 5,570 *

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CONTENTS: SUBTASKS *
RECORDSIZE 80 BLOCKSIZE 800 *
TAPE MARKS: 106 - 166 *
TOTAL RECORDS: 4,346 *

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CONTENTS: PC STATEMENTS OLD *
LRECL 204 BLOCKSIZE 2040 *
TAPE MARKS: 167 - 213 *
TOTAL RECORDS: 10,688 *

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CONTENTS: COMPLETE PC OLD *
BSEP I & II *
LRECL 204 BLOCKSIZE 2040 *
TAPE MARKS: 214 , 215 *
TOTAL RECORDS: 10,602 *

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CONTENTS: KNOWLEDGE LISTS *
LRECL 198 BLOCKSIZE 1980 *
TAPE MARKS: 216 - 264 *

TOTAL RECORDS: 19,598 *

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CONTENTS: TECHNICAL PREREQ *

LRECL 61 BLOCKSIZE 610 *

TAPE MARKS: 265 - 311 *

TOTAL RECORDS: 7,491 *

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CONTENTS: TASK LISTS *

LRECL 132 BLOCKSIZE 1320 *

TAPE MARKS: 312 - 406 *

TOTAL RECORDS: 27,515 *

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CONTENTS: DISCREPANCIES *

LRECL 98 BLOCKSIZE 980 *

TAPE MARKS: 407 - 477 *

TOTAL RECORDS: 1,788 *

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CONTENTS: COMPLETE TASK LIST*

LRECL 255 BLOCKSIZE 2550 *

TAPE MARK: 478 *

TOTAL RECORDS: 6,336 *

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TOTAL TAPE RECORDS: 96,372 *

DATA SET	TP NUMBER	TP MK
WTGFKJZ.05G.SUBLIST	051133	1
WTGFKJZ.13B.SUBLIST	051133	2
WTGFKJZ.13F.SUBLIST	051133	3
WTGFKJZ.15E.SUBLIST	051133	4
WTGFKJZ.16H.SUBLIST	051133	5
WTGFKJZ.17B.SUBLIST	051133	6
WTGFKJZ.17C.SUBLIST	051133	7
WTGFKJZ.17K.SUBLIST	051133	8
WTGFKJZ.19D.SUBLIST	051133	9
WTGFKJZ.19E.SUBLIST	051133	10
WTGFKJZ.24C.SUBLIST	051133	11
WTGFKJZ.24H.SUBLIST	051133	12
WTGFKJZ.27E.SUBLIST	051133	13
WTGFKJZ.31J.SUBLIST	051133	14
WTGFKJZ.31N.SUBLIST	051133	15
WTGFKJZ.31V.SUBLIST	051133	16
WTGFKJZ.32H.SUBLIST	051133	17
WTGFKJZ.33S.SUBLIST	051133	18
WTGFKJZ.36C.SUBLIST	051133	19
WTGFKJZ.36K.SUBLIST	051133	20
WTGFKJZ.45B.SUBLIST	051133	21
WTGFKJZ.45K.SUBLIST	051133	22
WTGFKJZ.52C.SUBLIST	051133	23
WTGFKJZ.52D.SUBLIST	051133	24
WTGFKJZ.54E.SUBLIST	051133	25
WTGFKJZ.55B.SUBLIST	051133	26
WTGFKJZ.55D.SUBLIST	051133	27
WTGFKJZ.57H.SUBLIST	051133	28
WTGFKJZ.62B.SUBLIST	051133	29

WTGFKJZ.62E.SUBLIST	051133	30
WTGFKJZ.63G.SUBLIST	051133	31
WTGFKJZ.63N.SUBLIST	051133	32
WTGFKJZ.64C.SUBLIST	051133	33
WTGFKJZ.67G.SUBLIST	051133	34
WTGFKJZ.67N.SUBLIST	051133	35
WTGFKJZ.67T.SUBLIST	051133	36
WTGFKJZ.67V.SUBLIST	051133	37
WTGFKJZ.68D.SUBLIST	051133	38
WTGFKJZ.68F.SUBLIST	051133	39
WTGFKJZ.68H.SUBLIST	051133	40
WTGFKJZ.68J.SUBLIST	051133	41
WTGFKJZ.72E.SUBLIST	051133	42
WTGFKJZ.76P.SUBLIST	051133	43
WTGFKJZ.93J.SUBLIST	051133	44
WTGFKJZ.95B.SUBLIST	051133	45
WTGFKJZ.AV04.SUBTASK	051133	46
WTGFKJZ.AV05.SUBTASK	051133	47
WTGFKJZ.AV07.SUBTASK	051133	48
WTGFKJZ.AV09.SUBTASK	051133	49
WTGFKJZ.AV10.SUBTASK	051133	50
WTGFKJZ.AV11.SUBTASK	051133	51
WTGFKJZ.AV15.SUBTASK	051133	52
WTGFKJZ.AV16.SUBTASK	051133	53
WTGFKJZ.AV17.SUBTASK	051133	54
WTGFKJZ.AV93.SUBTASK	051133	55
WTGFKJZ.CT01.SUBTASK	051133	56
WTGFKJZ.DR01.SUBTASK	051133	57
WTGFKJZ.DR03.SUBTASK	051133	58
WTGFKJZ.DR10.SUBTASK	051133	59
WTGFKJZ.EU03.SUBTASK	051133	60
WTGFKJZ.EU07.SUBTASK	051133	61
WTGFKJZ.EU08.SUBTASK	051133	62
WTGFKJZ.EU09.SUBTASK	051133	63
WTGFKJZ.EU10.SUBTASK	051133	64
WTGFKJZ.EU11.SUBTASK	051133	65
WTGFKJZ.EU12.SUBTASK	051133	66
WTGFKJZ.EU13.SUBTASK	051133	67
WTGFKJZ.EU16.SUBTASK	051133	68
WTGFKJZ.EU17.SUBTASK	051133	69
WTGFKJZ.EU18.SUBTASK	051133	70
WTGFKJZ.EU23.SUBTASK	051133	71
WTGFKJZ.EU24.SUBTASK	051133	72
WTGFKJZ.EU25.SUBTASK	051133	73
WTGFKJZ.EX01.SUBTASK	051133	74
WTGFKJZ.EX02.SUBTASK	051133	75
WTGFKJZ.F001.SUBTASK	051133	76
WTGFKJZ.F002.SUBTASK	051133	77
WTGFKJZ.F003.SUBTASK	051133	78
WTGFKJZ.F004.SUBTASK	051133	79
WTGFKJZ.F005.SUBTASK	051133	80
WTGFKJZ.F006.SUBTASK	051133	81
WTGFKJZ.F007.SUBTASK	051133	82
WTGFKJZ.F008.SUBTASK	051133	83

WTGFKJZ.F012.SUBTASK	051133	84
WTGFKJZ.F013.SUBTASK	051133	85
WTGFKJZ.F018.SUBTASK	051133	86
WTGFKJZ.F019.SUBTASK	051133	87
WTGFKJZ.F021.SUBTASK	051133	88
WTGFKJZ.F027.SUBTASK	051133	89
WTGFKJZ.GN02.SUBTASK	051133	90
WTGFKJZ.GN03.SUBTASK	051133	91
WTGFKJZ.GN04.SUBTASK	051133	92
WTGFKJZ.GN05.SUBTASK	051133	93
WTGFKJZ.GN09.SUBTASK	051133	94
WTGFKJZ.GN11.SUBTASK	051133	95
WTGFKJZ.GN12.SUBTASK	051133	96
WTGFKJZ.GN13.SUBTASK	051133	97
WTGFKJZ.MI03.SUBTASK	051133	98
WTGFKJZ.MI04.SUBTASK	051133	99
WTGFKJZ.MI06.SUBTASK	051133	100
WTGFKJZ.MI21.SUBTASK	051133	101
WTGFKJZ.MI25.SUBTASK	051133	102
WTGFKJZ.MI34.SUBTASK	051133	103
WTGFKJZ.MR34.SUBTASK	051133	104
WTGFKJZ.TR06.SUBTASK	051133	105
WTGFKJZ.WV44.SUBTASK	051133	106
WTGFKJZ.AV04.SUBTASK2	051133	107
WTGFKJZ.AV05.SUBTASK2	051133	108
WTGFKJZ.AV07.SUBTASK2	051133	109
WTGFKJZ.AV09.SUBTASK2	051133	110
WTGFKJZ.AV10.SUBTASK2	051133	111
WTGFKJZ.AV11.SUBTASK2	051133	112
WTGFKJZ.AV15.SUBTASK2	051133	113
WTGFKJZ.AV16.SUBTASK2	051133	114
WTGFKJZ.AV17.SUBTASK2	051133	115
WTGFKJZ.AV93.SUBTASK2	051133	116
WTGFKJZ.CT01.SUBTASK2	051133	117
WTGFKJZ.DR01.SUBTASK2	051133	118
WTGFKJZ.DR03.SUBTASK2	051133	119
WTGFKJZ.DR10.SUBTASK2	051133	120
WTGFKJZ.EU03.SUBTASK2	051133	121
WTGFKJZ.EU07.SUBTASK2	051133	122
WTGFKJZ.EU08.SUBTASK2	051133	123
WTGFKJZ.EU09.SUBTASK2	051133	124
WTGFKJZ.EU10.SUBTASK2	051133	125
WTGFKJZ.EU11.SUBTASK2	051133	126
WTGFKJZ.EU12.SUBTASK2	051133	127
WTGFKJZ.EU13.SUBTASK2	051133	128
WTGFKJZ.EU16.SUBTASK2	051133	129
WTGFKJZ.EU17.SUBTASK2	051133	130
WTGFKJZ.EU18.SUBTASK2	051133	131
WTGFKJZ.EU23.SUBTASK2	051133	132
WTGFKJZ.EU24.SUBTASK2	051133	133
WTGFKJZ.EU25.SUBTASK2	051133	134
WTGFKJZ.EX01.SUBTASK2	051133	135
WTGFKJZ.EX02.SUBTASK2	051133	136
WTGFKJZ.F001.SUBTASK2	051133	137

WTGFKJZ.F002.SUBTASK2	051133	138
WTGFKJZ.F003.SUBTASK2	051133	139
WTGFKJZ.F004.SUBTASK2	051133	140
WTGFKJZ.F005.SUBTASK2	051133	141
WTGFKJZ.F006.SUBTASK2	051133	142
WTGFKJZ.F007.SUBTASK2	051133	143
WTGFKJZ.F008.SUBTASK2	051133	144
WTGFKJZ.F012.SUBTASK2	051133	145
WTGFKJZ.F013.SUBTASK2	051133	146
WTGFKJZ.F018.SUBTASK2	051133	147
WTGFKJZ.F019.SUBTASK2	051133	148
WTGFKJZ.F021.SUBTASK2	051133	149
WTGFKJZ.F027.SUBTASK2	051133	150
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WTGFKJZ.GN13.SUBTASK2	051133	158
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WTGFKJZ.MI04.SUBTASK2	051133	160
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WTGFKJZ.MR34.SUBTASK2	051133	165
WTGFKJZ.TR06.SUBTASK2	051133	166
WTGFKJZ.WV44.SUBTASK2	051133	167
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WTGFKJZ.15D.PCIND2	051133	175
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WTGFKJZ.16E.PCIND2	051133	179
WTGFKJZ.26L.PCIND1	051133	180
WTGFKJZ.26L.PCIND2	051133	181
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WTGFKJZ.15D.B2KNOW	051133	224
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WTGFKJZ.96B.TASKPRT	059398	151
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WTGFKJZ.31J.DISCREP	059398	175
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WTGFKJZ.36C.DISCREP	059398	183
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WTGFKJZ.68G.DISCREP	059398	209
WTGFKJZ.68H.DISCREP	059398	210
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WTGFKJZ.71M.DISCREP	059398	212
WTGFKJZ.71Q.DISCREP	059398	213
WTGFKJZ.72E.DISCREP	059398	214
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WTGFKJZ.74F.DISCREP	059398	216
WTGFKJZ.76C.DISCREP	059398	217
WTGFKJZ.76W.DISCREP	059398	218
WTGFKJZ.82C.DISCREP	059398	219
WTGFKJZ.91B.DISCREP	059398	220
WTGFKJZ.95B.DISCREP	059398	221
WTGFKJZ.96B.DISCREP	059398	222
WTGFKJZ.TASK.COMPLETE	059398	223

TAPE VOLUMES V07183 - V07185*

LAST UPDATE: 05/17/83 *

RECORDSIZE 61 BLOCKSIZE 610 *

CONTENTS: COMPLETE PC (NEW) *

INDICATOR STATEMENTS BSEP I *

TOTAL TAPE MARKS: 199 *

TOTAL RECORDS: 601,722 *

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WTGFKJZ.12G.PCC.NEW1S	048628	62
WTGFKJZ.12H.PCC.NEW1S	048628	63
WTGFKJZ.13A.PCC.NEW1S	048628	64
WTGFKJZ.13B.PCC.NEW1S	048628	65
WTGFKJZ.13C.PCC.NEW1S	048628	66
WTGFKJZ.13D.PCC.NEW1S	048628	67
WTGFKJZ.13E.PCC.NEW1S	048628	68
WTGFKJZ.14A.PCC.NEW1S	048628	69
WTGFKJZ.14B.PCC.NEW1S	048628	70
WTGFKJZ.14C.PCC.NEW1S	048628	71
WTGFKJZ.14D.PCC.NEW1S	048628	72
WTGFKJZ.14E.PCC.NEW1S	048628	73
WTGFKJZ.14F.PCC.NEW1S	048628	74
WTGFKJZ.14G.PCC.NEW1S	048628	75
WTGFKJZ.15A.PCC.NEW1S	048628	76
WTGFKJZ.15B.PCC.NEW1S	048628	77
WTGFKJZ.15C.PCC.NEW1S	048628	78

WTGFKJZ.15D.PCC.NEW1S	048628	79
WTGFKJZ.15E.PCC.NEW1S	048628	80
WTGFKJZ.15F.PCC.NEW1S	048628	81
WTGFKJZ.15G.PCC.NEW1S	048628	82
WTGFKJZ.15H.PCC.NEW1S	048628	83
WTGFKJZ.15I.PCC.NEW1S	048628	84
WTGFKJZ.15J.PCC.NEW1S	048628	85
WTGFKJZ.16A.PCC.NEW1S	048628	86
WTGFKJZ.16B.PCC.NEW1S	048628	87
WTGFKJZ.16C.PCC.NEW1S	048628	88
WTGFKJZ.16D.PCC.NEW1S	048628	89
WTGFKJZ.16E.PCC.NEW1S	048628	90
WTGFKJZ.16F.PCC.NEW1S	048628	91
WTGFKJZ.16G.PCC.NEW1S	048628	92
WTGFKJZ.16H.PCC.NEW1S	048628	93
WTGFKJZ.17A.PCC.NEW1S	048628	94
WTGFKJZ.17B.PCC.NEW1S	048628	95
WTGFKJZ.17C.PCC.NEW1S	048628	96
WTGFKJZ.18A.PCC.NEW1S	048628	97
WTGFKJZ.18B.PCC.NEW1S	048628	98
WTGFKJZ.18C.PCC.NEW1S	048628	99
WTGFKJZ.19A.PCC.NEW1S	048628	100
WTGFKJZ.19B.PCC.NEW1S	048628	101
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WTGFKJZ.25A.PCC.NEW1S	048628	104
WTGFKJZ.25B.PCC.NEW1S	048628	105
WTGFKJZ.25C.PCC.NEW1S	048628	106
WTGFKJZ.25D.PCC.NEW1S	048628	107
WTGFKJZ.25E.PCC.NEW1S	048628	108
WTGFKJZ.25F.PCC.NEW1S	048628	109
WTGFKJZ.26A.PCC.NEW1S	048628	110
WTGFKJZ.26B.PCC.NEW1S	048628	111
WTGFKJZ.26C.PCC.NEW1S	048628	112
WTGFKJZ.26D.PCC.NEW1S	048628	113
WTGFKJZ.26E.PCC.NEW1S	048628	114
WTGFKJZ.27A.PCC.NEW1S	048628	115
WTGFKJZ.27B.PCC.NEW1S	048628	116
WTGFKJZ.27C.PCC.NEW1S	048628	117
WTGFKJZ.27D.PCC.NEW1S	048628	118
WTGFKJZ.27E.PCC.NEW1S	048628	119
WTGFKJZ.27F.PCC.NEW1S	048628	120
WTGFKJZ.27G.PCC.NEW1S	048628	121
WTGFKJZ.28A.PCC.NEW1S	048628	122
WTGFKJZ.28B.PCC.NEW1S	048628	123
WTGFKJZ.28C.PCC.NEW1S	048628	124
WTGFKJZ.28D.PCC.NEW1S	048628	125
WTGFKJZ.29A.PCC.NEW1S	048628	126
WTGFKJZ.29B.PCC.NEW1S	048628	127
WTGFKJZ.29C.PCC.NEW1S	048628	128
WTGFKJZ.29D.PCC.NEW1S	048628	129
WTGFKJZ.29E.PCC.NEW1S	048628	130
WTGFKJZ.29F.PCC.NEW1S	048628	131
WTGFKJZ.30A.PCC.NEW1S	048628	132

WTGFKJZ.30B.PCC.NEW1S	048628	133
WTGFKJZ.30C.PCC.NEW1S	048628	134
WTGFKJZ.31A.PCC.NEW1S	048628	135
WTGFKJZ.31B.PCC.NEW1S	048628	136
WTGFKJZ.31C.PCC.NEW1S	048628	137
WTGFKJZ.31D.PCC.NEW1S	048628	138
WTGFKJZ.31E.PCC.NEW1S	048628	139
WTGFKJZ.32A.PCC.NEW1S	048628	140
WTGFKJZ.32B.PCC.NEW1S	048628	141
WTGFKJZ.32C.PCC.NEW1S	048628	142
WTGFKJZ.32D.PCC.NEW1S	048628	143
WTGFKJZ.32E.PCC.NEW1S	048628	144
WTGFKJZ.33A.PCC.NEW1S	048628	145
WTGFKJZ.33B.PCC.NEW1S	048628	146
WTGFKJZ.33C.PCC.NEW1S	048628	147
WTGFKJZ.33D.PCC.NEW1S	048628	148
WTGFKJZ.34A.PCC.NEW1S	048628	149
WTGFKJZ.34B.PCC.NEW1S	048628	150
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WTGFKJZ.34D.PCC.NEW1S	048628	152
WTGFKJZ.35A.PCC.NEW1S	048628	153
WTGFKJZ.35B.PCC.NEW1S	048628	154
WTGFKJZ.35C.PCC.NEW1S	048628	155
WTGFKJZ.35D.PCC.NEW1S	048628	156
WTGFKJZ.35E.PCC.NEW1S	048628	157
WTGFKJZ.35F.PCC.NEW1S	048628	158
WTGFKJZ.35H.PCC.NEW1S	048628	159
WTGFKJZ.35I.PCC.NEW1S	048628	160
WTGFKJZ.36A.PCC.NEW1S	048628	161
WTGFKJZ.36B.PCC.NEW1S	048628	162
WTGFKJZ.36C.PCC.NEW1S	048628	163
WTGFKJZ.36D.PCC.NEW1S	048628	164
WTGFKJZ.36E.PCC.NEW1S	048628	165
WTGFKJZ.36F.PCC.NEW1S	048628	166
WTGFKJZ.36G.PCC.NEW1S	048628	167
WTGFKJZ.36H.PCC.NEW1S	048628	168
WTGFKJZ.37A.PCC.NEW1S	048628	169
WTGFKJZ.37B.PCC.NEW1S	048628	170
WTGFKJZ.37C.PCC.NEW1S	048628	171
WTGFKJZ.37D.PCC.NEW1S	048628	172
WTGFKJZ.37E.PCC.NEW1S	048628	173
WTGFKJZ.37F.PCC.NEW1S	048628	174
WTGFKJZ.37G.PCC.NEW1S	048628	175
WTGFKJZ.37H.PCC.NEW1S	048628	176
WTGFKJZ.38A.PCC.NEW1S	048628	177
WTGFKJZ.38B.PCC.NEW1S	048628	178
WTGFKJZ.38C.PCC.NEW1S	048628	179
WTGFKJZ.38D.PCC.NEW1S	048628	180
WTGFKJZ.38E.PCC.NEW1S	048628	181
WTGFKJZ.38F.PCC.NEW1S	048628	182
WTGFKJZ.38G.PCC.NEW1S	048628	183
WTGFKJZ.38H.PCC.NEW1S	048628	184
WTGFKJZ.38I.PCC.NEW1S	048628	185
WTGFKJZ.38J.PCC.NEW1S	048628	186

WTGFKJZ.39A.PCC.NEW1S	048628	187
WTGFKJZ.39B.PCC.NEW1S	048628	188
WTGFKJZ.39C.PCC.NEW1S	048628	189
WTGFKJZ.40A.PCC.NEW1S	048628	190
WTGFKJZ.40B.PCC.NEW1S	048628	191
WTGFKJZ.40C.PCC.NEW1S	048628	192
WTGFKJZ.41A.PCC.NEW1S	048628	193
WTGFKJZ.41B.PCC.NEW1S	048628	194
WTGFKJZ.41C.PCC.NEW1S	048628	195
WTGFKJZ.41D.PCC.NEW1S	048628	196
WTGFKJZ.41E.PCC.NEW1S	048628	197
WTGFKJZ.41F.PCC.NEW1S	048628	198
WTGFKJZ.41G.PCC.NEW1S	048628	199
WTGFKJZ.41H.PCC.NEW1S	048628	200

TAPE VOLUMES V07186 - V07188*

LAST UPDATE: 05/17/83 *

RECORDSIZE 61 BLOCKSIZE 610 *

CONTENTS: COMPLETE PC (NEW) *

INDICATOR STATEMENTS BSEP II*

TOTAL TAPE MARKS: 195 *

TOTAL RECORDS: 311,908 *

DATA SET	TP NUMBER	TP MK
WTGFKJZ.01A.PCC.NEW2S	051320	1
WTGFKJZ.01B.PCC.NEW2S	051320	2
WTGFKJZ.01C.PCC.NEW2S	051320	3
WTGFKJZ.01D.PCC.NEW2S	051320	4
WTGFKJZ.01E.PCC.NEW2S	051320	5
WTGFKJZ.01F.PCC.NEW2S	051320	6
WTGFKJZ.01G.PCC.NEW2S	051320	7
WTGFKJZ.01H.PCC.NEW2S	051320	8
WTGFKJZ.01I.PCC.NEW2S	051320	9
WTGFKJZ.02A.PCC.NEW2S	051320	10
WTGFKJZ.02B.PCC.NEW2S	051320	11
WTGFKJZ.02C.PCC.NEW2S	051320	12
WTGFKJZ.02D.PCC.NEW2S	051320	13
WTGFKJZ.02E.PCC.NEW2S	051320	14
WTGFKJZ.02F.PCC.NEW2S	051320	15
WTGFKJZ.02G.PCC.NEW2S	051320	16
WTGFKJZ.03A.PCC.NEW2S	051320	17
WTGFKJZ.03B.PCC.NEW2S	051320	18
WTGFKJZ.03C.PCC.NEW2S	051320	19
WTGFKJZ.04A.PCC.NEW2S	051320	20
WTGFKJZ.04B.PCC.NEW2S	051320	21
WTGFKJZ.04C.PCC.NEW2S	051320	22
WTGFKJZ.04D.PCC.NEW2S	051320	23
WTGFKJZ.04E.PCC.NEW2S	051320	24
WTGFKJZ.04F.PCC.NEW2S	051320	25
WTGFKJZ.05A.PCC.NEW2S	051320	26
WTGFKJZ.05B.PCC.NEW2S	051320	27
WTGFKJZ.05C.PCC.NEW2S	051320	28
WTGFKJZ.05D.PCC.NEW2S	051320	29
WTGFKJZ.05E.PCC.NEW2S	051320	30

WTGFKJZ.05F.PCC.NEW2S	051320	31
WTGFKJZ.05G.PCC.NEW2S	051320	32
WTGFKJZ.05H.PCC.NEW2S	051320	33
WTGFKJZ.05I.PCC.NEW2S	051320	34
WTGFKJZ.06A.PCC.NEW2S	051320	35
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WTGFKJZ.07C.PCC.NEW2S	051320	41
WTGFKJZ.07D.PCC.NEW2S	051320	42
WTGFKJZ.08A.PCC.NEW2S	051320	43
WTGFKJZ.08B.PCC.NEW2S	051320	44
WTGFKJZ.08C.PCC.NEW2S	051320	45
WTGFKJZ.08D.PCC.NEW2S	051320	46
WTGFKJZ.08E.PCC.NEW2S	051320	47
WTGFKJZ.09A.PCC.NEW2S	051320	48
WTGFKJZ.09B.PCC.NEW2S	051320	49
WTGFKJZ.09C.PCC.NEW2S	051320	50
WTGFKJZ.09D.PCC.NEW2S	051320	51
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WTGFKJZ.11B.PCC.NEW2S	051320	54
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WTGFKJZ.12B.PCC.NEW2S	051320	56
WTGFKJZ.12C.PCC.NEW2S	051320	57
WTGFKJZ.12D.PCC.NEW2S	051320	58
WTGFKJZ.12E.PCC.NEW2S	051320	59
WTGFKJZ.12F.PCC.NEW2S	051320	60
WTGFKJZ.12G.PCC.NEW2S	051320	61
WTGFKJZ.12H.PCC.NEW2S	051320	62
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WTGFKJZ.13C.PCC.NEW2S	051320	65
WTGFKJZ.13D.PCC.NEW2S	051320	66
WTGFKJZ.13E.PCC.NEW2S	051320	67
WTGFKJZ.14A.PCC.NEW2S	051320	68
WTGFKJZ.14B.PCC.NEW2S	051320	69
WTGFKJZ.14C.PCC.NEW2S	051320	70
WTGFKJZ.14D.PCC.NEW2S	051320	71
WTGFKJZ.14E.PCC.NEW2S	051320	72
WTGFKJZ.14F.PCC.NEW2S	051320	73
WTGFKJZ.14G.PCC.NEW2S	051320	74
WTGFKJZ.15A.PCC.NEW2S	051320	75
WTGFKJZ.15B.PCC.NEW2S	051320	76
WTGFKJZ.15C.PCC.NEW2S	051320	77
WTGFKJZ.15D.PCC.NEW2S	051320	78
WTGFKJZ.15E.PCC.NEW2S	051320	79
WTGFKJZ.15F.PCC.NEW2S	051320	80
WTGFKJZ.15G.PCC.NEW2S	051320	81
WTGFKJZ.15H.PCC.NEW2S	051320	82
WTGFKJZ.15I.PCC.NEW2S	051320	83
WTGFKJZ.15J.PCC.NEW2S	051320	84

WTGFKJZ.16B.PCC.NEW2S	051320	85
WTGFKJZ.16C.PCC.NEW2S	051320	86
WTGFKJZ.16D.PCC.NEW2S	051320	87
WTGFKJZ.16E.PCC.NEW2S	051320	88
WTGFKJZ.16F.PCC.NEW2S	051320	89
WTGFKJZ.16G.PCC.NEW2S	051320	90
WTGFKJZ.16H.PCC.NEW2S	051320	91
WTGFKJZ.17A.PCC.NEW2S	051320	92
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WTGFKJZ.25C.PCC.NEW2S	051320	102
WTGFKJZ.25D.PCC.NEW2S	051320	103
WTGFKJZ.25E.PCC.NEW2S	051320	104
WTGFKJZ.25F.PCC.NEW2S	051320	105
WTGFKJZ.26A.PCC.NEW2S	051320	106
WTGFKJZ.26B.PCC.NEW2S	051320	107
WTGFKJZ.26C.PCC.NEW2S	051320	108
WTGFKJZ.26D.PCC.NEW2S	051320	109
WTGFKJZ.26E.PCC.NEW2S	051320	110
WTGFKJZ.27A.PCC.NEW2S	051320	111
WTGFKJZ.27B.PCC.NEW2S	051320	112
WTGFKJZ.27C.PCC.NEW2S	051320	113
WTGFKJZ.27D.PCC.NEW2S	051320	114
WTGFKJZ.27E.PCC.NEW2S	051320	115
WTGFKJZ.27F.PCC.NEW2S	051320	116
WTGFKJZ.27G.PCC.NEW2S	051320	117
WTGFKJZ.28A.PCC.NEW2S	051320	118
WTGFKJZ.28B.PCC.NEW2S	051320	119
WTGFKJZ.28C.PCC.NEW2S	051320	120
WTGFKJZ.28D.PCC.NEW2S	051320	121
WTGFKJZ.29A.PCC.NEW2S	051320	122
WTGFKJZ.29B.PCC.NEW2S	051320	123
WTGFKJZ.29C.PCC.NEW2S	051320	124
WTGFKJZ.29D.PCC.NEW2S	051320	125
WTGFKJZ.29E.PCC.NEW2S	051320	126
WTGFKJZ.29F.PCC.NEW2S	051320	127
WTGFKJZ.30A.PCC.NEW2S	051320	128
WTGFKJZ.30B.PCC.NEW2S	051320	129
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WTGFKJZ.31C.PCC.NEW2S	051320	133
WTGFKJZ.31D.PCC.NEW2S	051320	134
WTGFKJZ.31E.PCC.NEW2S	051320	135
WTGFKJZ.32A.PCC.NEW2S	051320	136
WTGFKJZ.32B.PCC.NEW2S	051320	137
WTGFKJZ.32C.PCC.NEW2S	051320	138

WTGFKJZ.32D.PCC.NEW2S	051320	139
WTGFKJZ.32E.PCC.NEW2S	051320	140
WTGFKJZ.33A.PCC.NEW2S	051320	141
WTGFKJZ.33B.PCC.NEW2S	051320	142
WTGFKJZ.33C.PCC.NEW2S	051320	143
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WTGFKJZ.34D.PCC.NEW2S	051320	148
WTGFKJZ.35A.PCC.NEW2S	051320	149
WTGFKJZ.35B.PCC.NEW2S	051320	150
WTGFKJZ.35C.PCC.NEW2S	051320	151
WTGFKJZ.35D.PCC.NEW2S	051320	152
WTGFKJZ.35E.PCC.NEW2S	051320	153
WTGFKJZ.35F.PCC.NEW2S	051320	154
WTGFKJZ.35H.PCC.NEW2S	051320	155
WTGFKJZ.35I.PCC.NEW2S	051320	156
WTGFKJZ.36A.PCC.NEW2S	051320	157
WTGFKJZ.36B.PCC.NEW2S	051320	158
WTGFKJZ.36C.PCC.NEW2S	051320	159
WTGFKJZ.36D.PCC.NEW2S	051320	160
WTGFKJZ.36E.PCC.NEW2S	051320	161
WTGFKJZ.36F.PCC.NEW2S	051320	162
WTGFKJZ.36H.PCC.NEW2S	051320	163
WTGFKJZ.37A.PCC.NEW2S	051320	164
WTGFKJZ.37B.PCC.NEW2S	051320	165
WTGFKJZ.37C.PCC.NEW2S	051320	166
WTGFKJZ.37D.PCC.NEW2S	051320	167
WTGFKJZ.37E.PCC.NEW2S	051320	168
WTGFKJZ.37F.PCC.NEW2S	051320	169
WTGFKJZ.37G.PCC.NEW2S	051320	170
WTGFKJZ.37H.PCC.NEW2S	051320	171
WTGFKJZ.38A.PCC.NEW2S	051320	172
WTGFKJZ.38B.PCC.NEW2S	051320	173
WTGFKJZ.38C.PCC.NEW2S	051320	174
WTGFKJZ.38D.PCC.NEW2S	051320	175
WTGFKJZ.38E.PCC.NEW2S	051320	176
WTGFKJZ.38F.PCC.NEW2S	051320	177
WTGFKJZ.38G.PCC.NEW2S	051320	178
WTGFKJZ.38H.PCC.NEW2S	051320	179
WTGFKJZ.38I.PCC.NEW2S	051320	180
WTGFKJZ.38J.PCC.NEW2S	051320	181
WTGFKJZ.39A.PCC.NEW2S	051320	182
WTGFKJZ.39B.PCC.NEW2S	051320	183
WTGFKJZ.39C.PCC.NEW2S	051320	184
WTGFKJZ.40A.PCC.NEW2S	051320	185
WTGFKJZ.40B.PCC.NEW2S	051320	186
WTGFKJZ.40C.PCC.NEW2S	051320	187
WTGFKJZ.41A.PCC.NEW2S	051320	188
WTGFKJZ.41B.PCC.NEW2S	051320	189
WTGFKJZ.41C.PCC.NEW2S	051320	190
WTGFKJZ.41D.PCC.NEW2S	051320	191
WTGFKJZ.41E.PCC.NEW2S	051320	192

WTGFKJZ.41F.PCC.NEW2S	051320	193
WTGFKJZ.41G.PCC.NEW2S	051320	194
WTGFKJZ.41H.PCC.NEW2S	051320	195

TAPE VOLUMES V07114, V07174, *
V07194 *

LAST UPDATE: 10/21/83 *
RECORDSIZE 80 BLOCKSIZE 800 *
CONTENTS: FORTRAN PROGRAMS *
TAPE MARKS: 1 - 27 *

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CONTENTS: JCL *
RECORDSIZE 80 BLOCKSIZE 800 *
TAPE MARKS: 28 - 49 *

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CONTENTS: JCL DOCUMENTATION *
LRECL 132 BLOCKSIZE 1320 *
TAPE MARK: 50 *

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CONTENTS: TPA-2 LISTINGS *
RECORDSIZE 13 BLOCKSIZE 130 *
TAPE MARKS: 51 - 145 *

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CONTENTS: PC COUNT FILES *
RECORDSIZE 20 BLOCKSIZE 200 *
TAPE MARKS: 146 - 240 *

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CONTENTS: REPLACEMENT JCL *
RECORDSIZE 80 BLOCKSIZE 800 *
TAPE MARKS: 241 - 245 *

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CONTENTS: TAPE INDEXES *
RECORDSIZE 30 BLOCKSIZE 300 *
TAPE MARKS: 246 - 255 *

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CONTENTS: TASKS TO FILES *
RECORDSIZE 20 BLOCKSIZE 200 *
TAPE MARKS: 256 - 317 *

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CONTENTS: DOCUMENTATION *
LRECL 132 BLOCKSIZE 1320 *
TAPE MARKS: 318 - 337 *

DATA SET

TP NUMBER TP MK

FORTRAN PROGRAMS
WTGFKJZ.FORTRAN.CREAI5
WTGFKJZ.FORTRAN.CREAPC
WTGFKJZ.FORTRAN.DISCOMM
WTGFKJZ.FORTRAN.DISCPG1
WTGFKJZ.FORTRAN.ERRATA
WTGFKJZ.FORTRAN.KNOWEX
WTGFKJZ.FORTRAN.KNOWPRT
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