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ABSTRACT

Computer routines to summarize data and generate reports from weekly log records submitted by teachers participating in the Southwest Regional Laboratory's communications skills monitoring program are described. Written in Univac FORTRAN V, Communications Skills 1, Weekly Log Summary, Revision 1 (CS-1-WLSR1) displays information by student group, class, teacher, school, district, and overall. This document is intended to serve as the software documentation for the programs. Included are a program description, data format specifications, program constraints and limitations, and operating instructions. Program flowcharts, program listings, sample data forms, and sample reports are also provided. (DGC)

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TITLE: COMMUNICATION SKILLS 1, WEEKLY LOG SUMMARY, REVISION 1 (CS-1-WLSR1)

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ABSTRACT

This document is part of a series describing the IMS Version 2 Computer Programs for FYCSP. An overview of the FYCSP system functions is documented in TN 5-70-01 by Ralph Hanson and Jerry Bailey.

The primary modification in CS-1-WLSR1 which distinguishes it from its predecessor, CS1-WLS (TN 5-70-39), is the use of classes rather than groups as the basic elements in summarizing the Weekly Log data.

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COMMUNICATION SKILLS 1, WEEKLY LOG SUMMARY, REVISION 1 (CS-1-WLSR1)

1.0 - PROGRAM IDENTIFICATION

CS-1-WLSR1

2.0 - OBJECTIVE

CS-1-WLSR1 summarizes by unit, class, teacher, school, district and overall, the data contained in the Weekly Log file.

3.0 - PROGRAM DESCRIPTION

3.1 - Program Narrative

3.1.01 - Overview

The input file contains Weekly Log records for all ten units of FYCSP, sequenced by class identification number, date, and group number.

The program processes each Weekly Log in a loop which is incremented by week day (e.g., Monday = 1, Tuesday = 2, ... Friday = 5). Because classes may be divided into groups, instances of more than one weekly log per class per week, are to be expected. At the end of each week, group values are averaged to obtain the summary for the class. This averaging is done immediately at the end of each week for routines described in 3.1.06 through 3.1.10 whereas for the routines described in 3.1.11 through 3.1.14 the values to be averaged are saved and averaged only after all the records for that class have been read. In both cases the weekly averages are accumulated to obtain class totals. Upon encountering a new class all summary data for the preceding class is processed and printed. Additional summaries containing average values for teacher, school, district and overall are maintained and printed.

The reader is advised to study the details of the following routines in conjunction with the program flowchart (8.0).

3.1.02 - Calendar Routine (tables for this routine are taken from the calendars for 1969 and 1970.)

Each Weekly Log Sheet contains a date to which a week number will be assigned. For example, if a sheet contains the date October 15, 1969, the program looks first in the following table at the month October, and determines that for any day in October, at least 14 weeks must have transpired since week number 1 (which we have designated to have begun July 1, 1969). Now the exact number of weeks which have transpired prior to October 15th must be determined.

The calendar day representing the Sunday of the first complete week within a given month is used as the initial value to which 15 is compared. According to the table the Sunday of the first complete week for October falls on the fifth.

Month	LNWKS (MONTHS) Least number of weeks which must have transpired if in the given month	ISUM (MONTH) Calendar day on which the Sunday falls for the first complete week of a given month
1 (July)	1	6
2 (Aug.)	5	3
3 (Sept.)	10	7
4 (Oct.)	14	5
5 (Nov.)	18	2
6 (Dec.)	23	7
7 (Jan.)	27	4
8 (Feb.)	32	8
9 (March)	36	8
10 (April)	40	5
11 (May)	44	3
12 (June)	49	7

Since the 15th is "greater" than the 5th, the least number of weeks value is incremented by one. Now we know that at least 14 + 1 = 15 weeks have transpired. Seven is then added to our first Sunday value of 5 to indicate the second October week began on the 5th + 7 = 12th. Again, the IF comparison is made, 15 is still found to be greater than 12, and again the least number of weeks is incremented (15 + 1 = 16). On the next iteration, however, the 15th is finally "captured" by the week increments of 7, i.e., the 15th is finally "less than" the 12th + 7 = 19th indicating that October 15 must fall in the week preceding the week beginning on the 19th. Hence, we assign week number 16 to the date October 15, 1969.

3.1.03 - Determine Unit No. for Initial Instruction

If on a given day the unit number is marked, that unit number is accepted and the search for a unit number is bypassed. However, if the unit number is not marked while some other initial instruction grid is marked (other than clerical time) the program accepts the most recent unit number marked for this class. In the event that no preceding unit number has been established for the class, the program uses the first following unit number marked on the current Weekly Log Record. If there is no following unit number further processing for initial instruction on this record is bypassed.

3.1.04 - Determine Unit No. for Second Instruction

Logic is identical to 3.1.03 above.

3.1.05 - Criterion Exercise Routine

If the criterion exercise is given for group 0 (meaning the entire class) the criterion-exercise-given flag is switched on for all the groups in the class. If the criterion exercise is given for a group number other than 0, i.e., any one of groups 1 through 5, the criterion-exercise-given flag is switched on for that particular group number and group 5 (group 5 identifies a Weekly Log Sheet in which grouping is indicated but no group number is marked).

3.1.06 - Initial Instruction Time by Outcome

For a given day, the total instruction time is apportioned to each outcome according to the following fraction: number of activities marked for the respective outcome over total number of activities marked for all outcomes.

Activities with no specific outcome number are assigned to outcome 5 which is presented under the heading "OTHER" in the printed summary (Appendix C).

If no activities were marked on a given day, all the time for that day is also added to outcome 5.

If "more" (indicating more than 60 minutes) is marked in the initial instruction time, then the duration of initial instruction is assumed to have been 70 minutes.

3.1.07 - Initial Instruction Days by Outcome

This is similar to 3.1.06 above though fractions of days rather than fractions of minutes, are apportioned to each outcome.

3.1.08 - Second Instruction Time by Outcome

For a given day the total time marked is apportioned according to the relative number of exercises marked for each outcome, as in 3.1.06 above. However, in this case Outcome 5 refers to the Criterion Exercise Retest. The results of this count are presented under the "OTHER" heading of the printed summary blocks.

If no exercises are marked, the second instruction time is added to the array representing the 'TOTAL' column of the printed summary.

3.1.09 - Practice Exercise Time by Outcome

This routine apportions the Practice Exercise Time to each outcome according to the following fraction: number of practice exercises marked for the outcome over the total number of exercises (practice and other) marked for all outcomes.

3.1.10 - Second Instruction Days

Although the day rather than the time in minutes is apportioned over the outcomes, the apportionment technique here is identical to that used in 3.1.08 above.

3.1.11 - Assessment Needed

Phase 1

If a mark in either the "Skill or Activity" column or the "Daily Assessment Passed" column has not been encountered before for a particular activity, and that activity requires assessment, the assessment needed indicator (ANEED array) is set to the day (JDAY) of the school year on which it was needed. (JDAY is set with logic similar to the logic used in the Calendar Routine, 3.1.02).

Phase 2

After an entire class has been read, the day of the year values stored in phase 1 are retrieved, the instances in which these fall within a particular week are counted, and that sum is accumulated by week, then averaged over the number of groups submitting data that week. Note that the week of the school year can be determined from the day number (e.g., days 1-5 (JDAYLO = 1, JDAYHI = 5) fall within week 1, days 6-10 within week 2, and so forth).

3.1.12 - Assessment Given

Phase 1

The assessment given indicator (AGIVE array) is set to the day of the school year on which assessment was given, providing that the activity 1) needs assessment, 2) has not been encountered before, 3) occurred on the same day that assessment was needed for this activity, and 4) that the corresponding "Daily Assessment Passed" column has been marked "Y" or "N."

Phase 2

Logic is identical to Phase 2 of 3.1.11 above.

3.1.13 - Review Needed

Phase 1

The review needed indicator (KRN array) is set for a given activity if that activity 1) needs assessment, 2) has not been encountered before, and 3) has "N" marked in "Daily Assessment Passed" column.

Phase 2

Logic is identical to Phase 2 of 3.1.11 above.

3.1.14 - Review Given

Phase 1

The review indicator (KRG array) is set to the day of the school year on which that review was given if the review activity was given the day after review was needed for that activity.

Phase 2

This is similar to Phase 2 of 3.1.11. However, the days bounding the school week are shifted forward one day, e.g., 2-6, 7-11 . . . rather than 1-5, 6-10. This is done in order to detect review given on the Monday following the Friday on which review was needed. The lower limit of each week 2, 7 . . . is contained in KDAYLO. The upper limit 6, 11 is contained in KDAYHI.

3.1.15 - Group Averaging

For a given class at the end of each week, values derived from routines 3.1.06 - 3.1.10 are averaged over the groups into which that class was divided. These average values are then accumulated by class (see XWEEK and AWEEK arrays).

3.1.16 - Supplementary Initial Instruction Time

If in processing a unit within second instruction, that unit's criterion exercise has not been given (on initial instruction), the second instruction time marked is added to that unit's initial instruction time. Moreover, if the above unit was not given in the initial instruction section on the day being processed, then one day is added to the initial instruction days corresponding to that unit.

3.1.17 - Output Routine

The output routine prints all unit summaries of the class most recently processed. Teacher, school, district and overall summaries are also printed.

3.2 - Variables and Internal Tables

3.2.1 - Subscripts and Arrays

Subscripts

SUBSCRIPT	MEANING
unit	Unit number (range: 1-10)
level	Level number i.e., 1 = overall 2 = district 3 = school 4 = teacher 5 = class
group	Group number + 1. (range: 1-6) The addition of 1 is made to handle group 0 (e.g., IGROUP = 1 identifies group 0) which represents the entire class when no grouping is indicated.
skill	Number of a skill or activity within the initial instruction section. (range: 1-15)
outcome	Outcome number: (range: 1-6) to which a particular skill or activity is directed. 1 = outcome 1 2 = outcome 2 3 = outcome 3 4 = outcome 4 5 = "other" for initial instruction or "criterion exercise retest" for second instruction.

SUBSCRIPT	MEANING
	6 = total of outcomes 1-5
month	School month (as defined in 3.1.02).
week	School week (as defined in 3.1.02).
line	Line number (range 1-10) of printed summary block, see Appendix C.

Arrays (Unless otherwise noted all variables are integer type)

AG (unit, level) - This array counts the number of times assessment was given for the appropriate unit and level (see Phase 2, 3.1.12).

AGIVE (group, unit, skill) - This array is used to indicate whether or not assessment was given for the appropriate group, unit, and skill (see Phase 1, 3.1.12).

AN (unit, level) - For a given class this array counts the number of times assessment was needed for the appropriate unit and level (see 3.1.11, Phase 2).

ANEED (group, unit, skill) - This array indicates whether or not assessment was needed for the appropriate group, unit, and skill (see 3.11.1, Phase 1).

AVG (unit, level) - This array counts the number of classes to be averaged at each level for the appropriate unit (See Appendix C, print line number 0).

AWEEK (group, unit, outcome, line) - For a given class this array accumulates one week's data. In turn this weekly data is accumulated in XWEEK (See 3.1.06 to 3.1.10).

IASSES (unit, skill) - For a given unit and skill a value of 1 or 0 in this array indicates whether or not that skill requires assessment (see Table 3, 3.2.2).

ICON (2, 8) - This array is used to convert alpha instruction times coded by the scanner to numeric values representing minutes (see Table 2, 3.2.2).

IRC (unit) - The Criterion Exercise activity numbers for each test unit are stored in this array (see Table 1, 3.2.2).

IHDGS (level) - This alpha array contains the labels of the levels to be inserted in the heading of each unit summary print block.

IHDGS (1) = 'OVER'

IHDGS (2) = 'DIST'

IHDGS (3) = 'SCHL'

IHDGS (4) = 'TCHR'

IHDGS (5) = 'CLSS'

INDCRI (unit, group) - This integer array indicates with a 1 or 0, whether or not the Criterion Exercise has been administered to the appropriate group, for the appropriate unit.

ISUN (week) - This array contains the calendar day on which the Sunday falls for the first complete week of a given month (see 3.1.02).

JALUNI (unit) - For a given class this array indicates the units which were reported on the Weekly Logs received.

JWKUNI (unit) - For a given class and week this array indicates the units which were reported on the Weekly Logs received.

KDSTC (level) - This array contains the class identification number (identifying District, School, Teacher, and Class) of the preceding Weekly Log record:

Level	KDSTC (level)
1	Not used
2	District

Level	KDSTC (level)
3	School number
4	Teacher number
5	Class number

KRN (group, unit, skill) - For a given group, unit and skill KRN = JDAY indicates that review was needed, while KRN = -1 indicates that it was not. KRN = 0 indicates that no data for this cell was encountered (see 3.1.13).

KRG (group, unit, skill) - For a given group, unit and skill KRG = JDAY indicates review was given, while KRG = -1 indicates that it was not. KRG = 0 indicates that no data for this cell was encountered (see 3.1.14).

LDSTC (level) - This contains the alpha labels corresponding to the appropriate level numbers (e.g., LDSTC(2) = 'DIST') to be inserted in the heading line of the print summary block.

LNWKS (month) - Least Number of Weeks. This array contains the least number of weeks that must have transpired if in a certain month, e.g., if the month October (month 4) is read, the 4th element in LNWKS indicates that at least 14 weeks must have transpired (see 3.1.02).

MALPHA (238) - This array contains all the alpha data of one Weekly Log. See Appendices A ("Weekly Log Response Sheet") and B ("Format of the Input Records").

MBUFF (44) - Buffer area used by NTRAN routine (see 4.1).

MDSTC (level) - This array contains the class identification number of the current Weekly Log. The structure of this array is identical to KDSTC.

MOUTCO (9) - This array is used to allocate an outcome number to each second instruction exercise. See Table 6 of 3.2.2. The subscript value corresponds to any one of the 9 positions of a given row in the second block of the second instruction section. See Appendix A.

NGRPS (week) - For a given class this array contains the number of groups into which the class was divided for each week data was submitted.

NOUTCO (unit, skill) - This array contains the number of the outcome toward which a given skill within a given unit is directed (e.g., from Table 4 of 3.2.2, the entry in the second row and third column indicates that the second skill within the third unit is directed toward outcome No. 2).

PACT (outcome) - On a given day this array is used to count the number of second instruction Practice Exercises administered for each outcome.

RACT (outcome) - For a given day this array is used to count the number of skills that were administered for each outcome.

RAVG1 (unit, outcome, level) - This array contains the average daily initial instruction time apportioned by outcome for each level and unit (see Appendix C, print line number 8).

RAVG2 (unit, outcome, level) - This array is similar to RAVG1 although it contains the average daily second instruction time, rather than initial instruction time (see Appendix C, print line number 9).

RAVG3 (unit, outcome, level) - This array contains the ratio of practice exercise time to second instruction time as a percentage apportioned over outcomes for each summary level and unit (see Appendix C, print line number 10).

RG (unit, level) - This array counts the number of times review was given for a given unit and level (see 3.1.14).

RN (unit, level) - This array counts the number of times review was needed for a given unit and level (see 3.1.13).

SACT (outcome) - For a given day this array is used to count the number of second instruction exercises administered for each outcome. In this application Outcome 5 refers to the Criterion Exercise Retest. Outcome 6 counts the Total No. of outcomes given for second instruction that day.

XWEEK (unit, outcome, level, line) - This array accumulates the class data for print lines 1-5 of the summary print block.

3.2.2 - Internal Tables

Table No.

1. DATA ICR/15,14,12,13,10,10,9,12,15,11/

2. DATA ICON/'A',5,10,'C',20,'D',30,'E',40,'F',50
'G',60,'H',70/

3. Units 1-10

```
                DATA IASSES/0,1,1,1,0,1,1,1,1,0,
          1                 1,0,1,1,1,1,1,1,1,1,
Skills    1                 0,1,0,0,1,1,1,1,1,1,
 1-15     1                 1,1,1,1,1,1,1,1,0,1,
          1                 0,1,1,1,1,1,1,1,1,1,
          1                 0,0,0,1,1,1,1,0,1,0,
          1                 1,1,1,1,1,1,1,1,1,1,
          1                 1,1,1,0,0,1,1,1,0,0,
          1                 0,1,1,1,1,1,1,0,1,1,
          1                 1,1,1,1,0,0,0,0,1,1,
          1                 0,1,1,1,0,0,0,1,1,0,
          1                 1,1,0,1,0,0,0,0,0,0,
          1                 0,1,0,0,0,0,0,0,1,0,
          1                 1,0,0,0,0,0,0,0,1,0,
          1                 0,0,0,0,0,0,0,0,0,0/
```

4. Units 1-10 (this table was labeled ITIME in the initial version CS-1-WLS)

```
                DATA NOUTCO/5,2,1,4,3,2,4,3,4,5,
               1            4,3,2,2,3,3,3,1,3,3,
Skills         1            5,3,3,3,1,1,1,2,1,1,
 1-15          1            1,1,1,3,2,2,2,3,5,3,
               1            2,2,2,1,3,3,3,1,1,1,
               1            3,3,3,2,1,1,1,5,3,5,
               1            1,3,3,1,4,1,1,3,1,1,
               1            4,1,1,3,3,3,1,1,4,5,
               1            5,4,4,3,1,1,5,1,5,1,
               1            1,1,1,1,5,5,5,5,1,1,
               1            3,1,1,1,5,5,5,1,2,5,
               1            2,1,5,1,5,5,5,5,3,5,
               1            3,1,5,5,5,5,5,5,5,5,
               1            1,5,5,5,5,5,5,5,1,5,
               1            5,5,5,5,5,5,5,5,5,5/
```

6. DATA MOUTCO/1,1,2,2,3,3,4,4,5/

7. DATA LNWKS/1,5,10,14,18,23,27,32,36,40,44,49/

8. DATA ISUN/6,3,8,5,2,8,4,8,8,5,3,7/

3.2.3 - Variables

IAG - For a given class, unit and week IAG is used as a counter of the times assessment was given.

IAN - IAN is similar to IAG though it counts the number of times assessment was needed.

IBLANK - Contains (1H)

ICIEX - For a given day and unit this value references the location of the Criterion Exercise activity in the Skill or Activity columns of the Weekly Log Sheet.

ICURU - For a given class this is the most recent unit number processed in the initial instruction section.

IDAY - This variable representing the day of the week is incremented from 1-5 as the program processes from Monday thru Friday of the Weekly Log Sheet.

IEOF - This flag variable is set equal to one on encountering EØF.

IFIRST - This flag equals 1 until the class identification number has been initialized. Thus, every record starting with number 2 will be read with IFIRST = 0.

IHI - For a given day this is the upper limit of a Do-loop used to process the "Skill or Activity Column" of the Weekly Log.

Its value corresponds to the bottom of the "Skill or Activity Column" on the Weekly Log Sheet.

ILEV - This subscript is used to reference level number (e.g., ILEV = 1 implies overall, ILEV = 2 implies district, etc.)

ILØ - Lower limit corresponding to IHI (e.g., the value stored in ILØ corresponds to the top, and IHI, to the bottom, of the "Skill or Activity Column").

IØUT - Subscript identifying the selected outcome, where IØUT = 1 through 4 identifies outcomes 1 through 4 and IØUT = 5 identifies the "OTHER" column of the printed summary. In the initial instruction, the "OTHER" column contains the time and days with no skill or for skills or activities given which were not associated with outcomes 1-4. In the context of the second instruction section "OTHER" contains the time and days spent on the "Criterion Exercise Retest," and an IØUT value of 6 references the "Total" column of the printed summary.

IRECS - IRECS is a count of the number of Weekly Log records read.

IRN - IRN is similar to IAN but it counts instances in which review was needed instead of assessment for a given class, unit, and week.

IRG - IRG is similar to IAG but it counts the instances in which review was given instead of assessment for a given class, unit, and week.

ISKILL - This subscript is used to reference the "Skill or Activity" number within the "Skill or Activity Column" of the Weekly Log form.

ISWRL - This integer code number identifies the output mode (e.g., 6 = Printer
8 = Tape).

IUNI & IUNIT - These subscript values reference the instructional unit number.

IWEEK - IWEEK contains the number of the school week assigned by the Calendar Routine (3.1.02) according to the date marked on the Weekly Log record just read.

IX - This Do-loop index is used in the Calendar Routine (3.1.02) to loop through a month in increments of seven days.

JCURU - For a given class this is the most recent unit number processed in the initial instruction section.

JDAY - This identifies the day of the school year. See Calendar Routine (3.1.02).

JDAYHI - For a particular week this serves as the upper limit of the range of the day value stored in arrays KRN, ANEED, and AGIVE (see Phase 2 of sections 3.1.11, 3.1.12, 3.1.13).

JDAYLO - This lower limit is used in conjunction with JDAYHI.

JHI - Upper limit of Do-loop value used to process a day row within the second block of the second instruction section.

JLEV - This is the inversion of LEV, e.g.,

1 = Class Level

5 = Overall Level

JLEV is used to determine the order in which the print block summaries are to be produced.

JLO - Lower limit of Do-loop value used to process a day row within the second block of the second instruction section (see JHI).

JOUT - Subscript used to reference a particular outcome number.

JSKILL - Subscript used to reference "Practice Exercises," "Other," and "Criterion Exercise Retest" fields in the Second Instruction section.

JSUN - As lower limit of the Calendar Routine Do-loop, JSUN indicates the calendar day on which the Sunday falls for the first complete week of a given month.

JUNIT - Subscript used to reference the second instruction unit number.

K1 - This is used as the temporary value for a cell of array KRN.

K2 - This is used as the temporary value for a cell of array KRG.

KDAYHI - For a particular week this is the upper limit of the range of the day value stored in KRG (See Phase 2, 3.1.14).

KDAYLO - This is the lower limit used in conjunction with KDAYHI.

KGROUP - This identifies the group number of the prior Weekly Log.

KGRP - This subscript is used to reference group number.

KLINE - Refers to lines 1-5 of each printed summary block. See Appendix C.

KOUT - This subscript serves to reference the outcome number.

KPUNI - On a given day this is set to the initial instruction unit number to be processed. It is then tested in the Supplementary Initial Instruction Routine (See 3.1.16).

KSKILL - This subscript serves to reference skill or activity number.

KWEEK - This variable contains the prior school week number of the class being processed.

LEV - This index variable is used in the Do-loop which determines at which level the ID change took place.

LEV = 1 indicates the overall level

= 2 indicates the district level

= 3 indicates the school level

= 4 indicates the teacher level

= 5 indicates the class level

The final value of LEV on existing the Do-loop is used to control the print loop in the Output Routine.

LGRID - This subscript serves to reference unit number in initial instruction section.

LGRID2 - This subscript serves to reference unit number in the second instruction section.

LWEEK - This subscript serves to reference week number.

MAX - This Do-loop upper limit serves to determine which initial instruction activities have been given on a particular day.

MDAY - This subscript serves to reference the day field on Weekly Log Sheet.

MGROUP - This variable contains the group number +1 of the latest record read. The addition of 1 enables the use of MGROUP as a subscript since group number starts with 0 (0 = entire class).

MIN - This Do-loop lower limit value serves in conjunction with MAX to determine which initial instruction activities have been given on a particular day.

MLEV - Each time the output print loop is executed, MLEV is incremented. In turn the level pointer is calculated by the equation JLEV = 6 - MLEV. This steps JLEV thru the class, teacher, school, district, and overall levels.

MMAX - This Do-loop upper limit serves decode unit number (see 3.1.04).

MMIN - This is the lower limit of Do-loop used in 3.1.04 to decode unit number.

MONTH - Indicates the month (July = 01, Aug. = 02 . . . June = 12) in which the Weekly Log Sheet was dated.

MSTAT - This NTRAN (4.1) status word indicates the status of the NTRAN read/write operations according to the following codes:

0 indicates the number of words transmitted

= -1 indicates transmission not complete

= -2 indicates EOF

= -3 & -4 indicates tape error.

NBOT - This Do-loop index value is used in 3.1.03 to check for unit numbers marked on the following days.

NLEV - This serves as the lower limit of index value in the Do-loop used to zero the appropriate levels of the LDSTC array.

PAGAN - This print value contains the percentage of time during which assessment was given (see line 6 of Appendix C).

PRGRN - This print value contains the percentage of time during which review was given (see line 7 of Appendix C).

RMINS - This type read variable serves as a count of initial instruction time in minutes.

SMINS - This type read variable serves as a count of second instruction time in minutes.

4.0 - SUBROUTINES AND FUNCTIONS

4.1 - Subroutine NTRAN

NTRAN is a FORTRAN callable subroutine used on the Univac 1108. In conjunction with subroutines ENCODE and DECODE, NTRAN is called to read and write the Weekly Log File's formatted logical record because their lengths exceed the capacity of the standard FORTRAN READ and WRITE statements. For details of NTRAN, see the manual entitled "UNIVAC 1107 FORTRAN UP - 3969 Rev. 1," Section 7, pp. 9-13.

5.0 - DATA SPECIFICATIONS

5.1 - Input Formats

See Appendices A and B for the relationship between the record positions 1-238 on tape and their respective locations on the Weekly Log Sheet. Note that all of fields are of alpha type. Characters corresponding to marks on the Weekly Log Sheet are contained in tape record positions 1-238, while the remaining positions of the tape record contain the following numeric data:

Positions	Description
239 - 240	District No.
241 - 242	School No.
243 - 244	Teacher No.
245 - 246	Class No.
247 - 248	Month (July = 01 - June = 12)
249 - 250	Day
251 - 251	Group No.
252 - 264	Unused by this program

5.2 - Output Formats

An example of the output summary blocks can be found in Appendix C. Concurrent with the hardcopy output, a tape was written with the same format, though summaries above the class level were omitted.

6.0 - PROGRAM CONSTRAINTS AND LIMITATIONS

6.1 - Fortran V

6.2 - Vendor

University Computing Company

6.3 - Storage Requirements

25,000 octal words

6.4 - Hardware Configuration

Univac 1108, card reader, 2 tape drives and printer

6.5 - Program Parameters

None

6.6 - Error Messages

1. MORE THAN ONE SHEET PER WEEK FOR A GROUP AT RECORD NO. This is a warning message only. Program adds 1 to group count and averages in this additional sheet or sheets.

2. FAILED TO FIND UNIT IN 'DO 1003 LOOP' FOR RECORD NO. This is a warning message in which the program indicates that it was unable to find a unit number, even though it had encountered initial instruction data.

3. FAILED TO FIND UNIT IN'DO 4503 LOOP' FOR RECORD NO. This is a warning message in which the program indicates it was unable to find a unit number, even though it had encountered second instruction data.

7.0 - OPERATING INSTRUCTIONS

The Weekly Log Processor was executed using the following control cards.

@ RUN, W WOLFE, account no., 7, 400

@ MSG DELIVER TO SWRL

@ RAKEX ASG E = 1343 NORING

@ RX ASG H = S1019

```
@ FOR WLS, WLS
  (Source Deck)

@ XQT WLS

@ XQT CUR
  TRI E, H
```

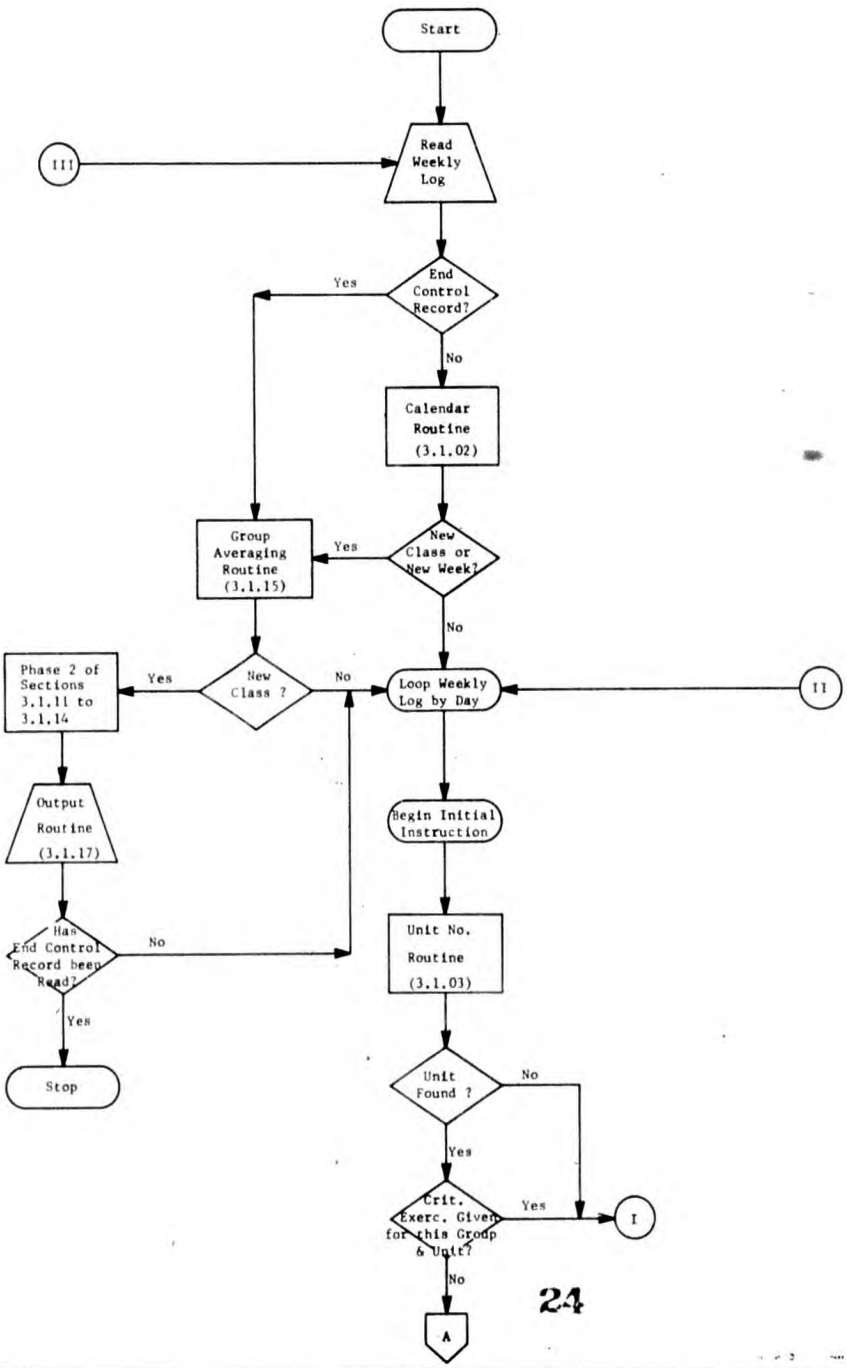
8.0 Program Flowchart

SWRI

Flowchart Layout Form

PROGRAMMER: Tom Foote and Howard Wolfe DATE: _____

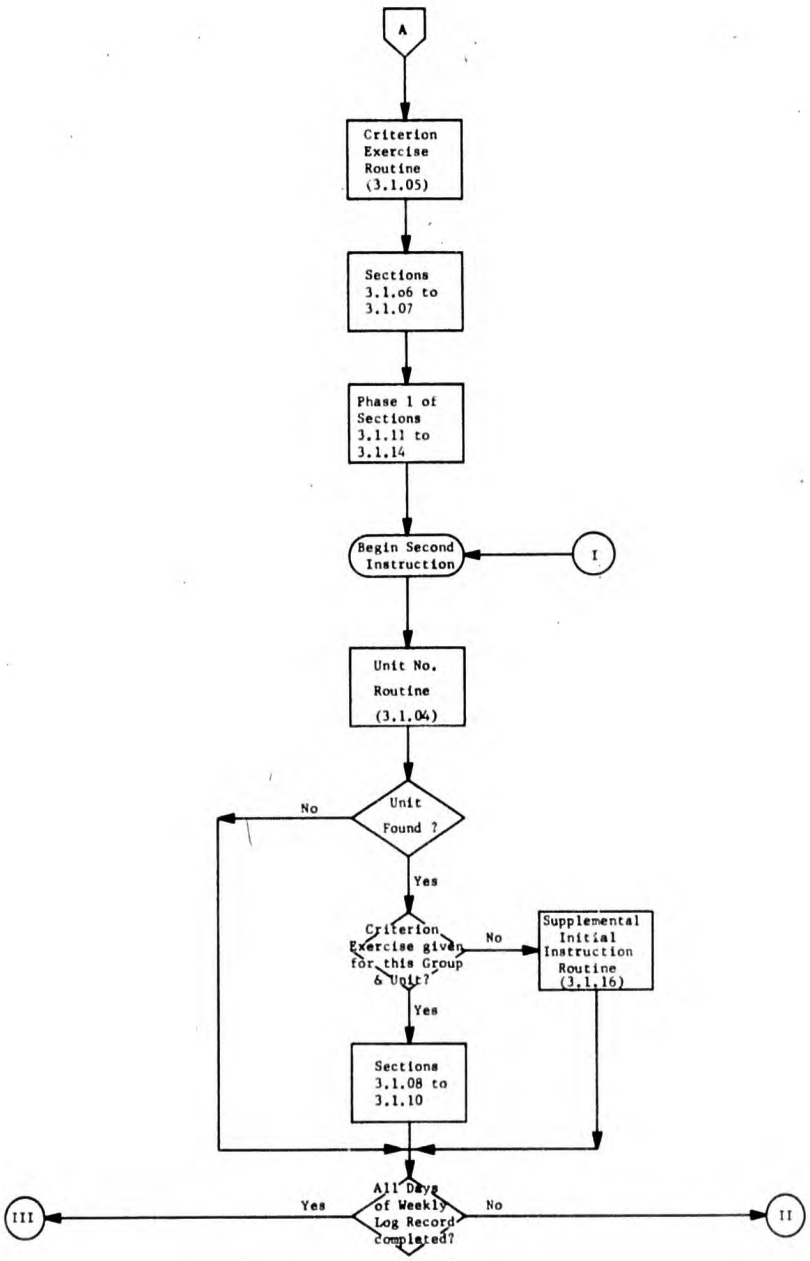
PROGRAM ID: CS-1-WLSR1 PAGE 1 OF 2

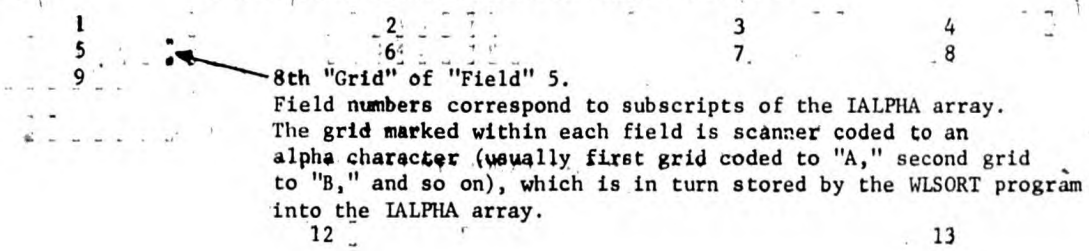


SAVRE

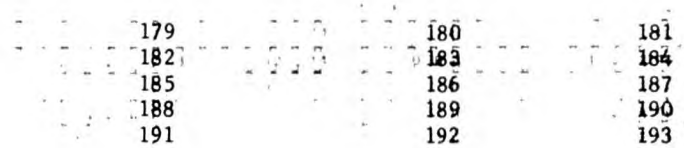
FLOWCHART LAYOUT FORM

PROGRAMMER: Tom Foote and Howard Wolfe DATE: _____
PROGRAM ID: CS-1-WL.SR1 PAGE 2 OF 2





29	30	31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58
59	60	61	62	63	64	65	66	67	68
69	70	71	72	73	74	75	76	77	78
79	80	81	82	83	84	85	86	87	88
89	90	91	92	93	94	95	96	97	98
99	100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117	118
119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138
139	140	141	142	143	144	145	146	147	148
149	150	151	152	153	154	155	156	157	158
159	160	161	162	163	164	165	166	167	168
169	170	171	172	173	174	175	176	177	178

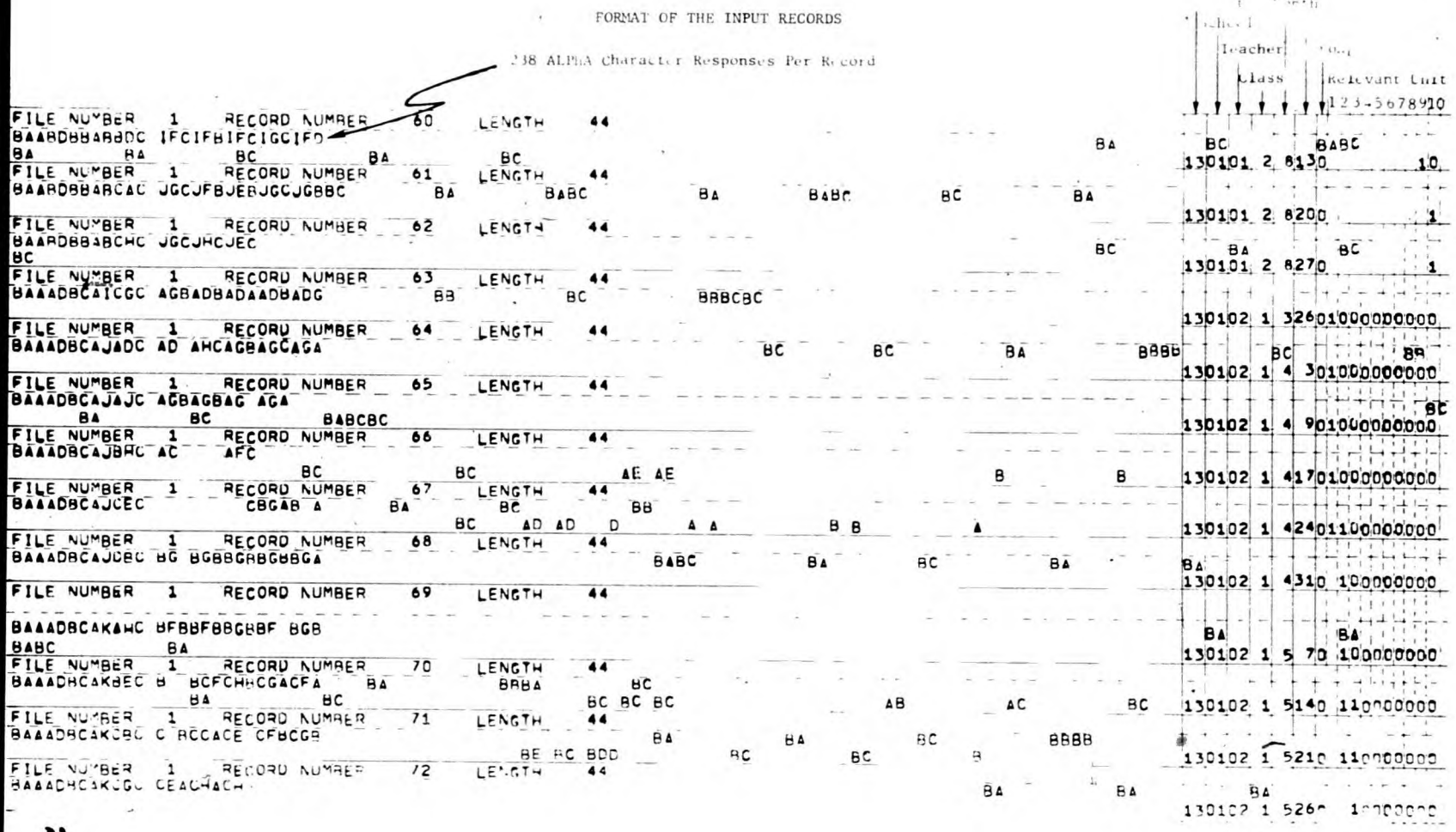


194	195	196	197	198	199	200	201	202
203	204	205	206	207	208	209	210	211
212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229
230	231	232	233	234	235	236	237	238

APPENDIX B

FORMAT OF THE INPUT RECORDS

238 ALPHA Character Responses Per Record



FILE NUMBER 1 RECORD NUMBER 60 LENGTH 44
BAABDBBABBDC IFCIFBIFCIGCIFD
130101 2 8130 10

FILE NUMBER 1 RECORD NUMBER 61 LENGTH 44
BAARDBBABCAC JGCJFBJEBJGCJGBBC
130101 2 8200 1

FILE NUMBER 1 RECORD NUMBER 62 LENGTH 44
BAARDBBABCHC JGCJHCJEC
130101 2 8270 1

FILE NUMBER 1 RECORD NUMBER 63 LENGTH 44
BAAADBCAICGC AGBADBADAADBADG
130102 1 326 01000000000

FILE NUMBER 1 RECORD NUMBER 64 LENGTH 44
BAAADBCAJADC AD AHCAGBAGCAGA
130102 1 4 301000000000

FILE NUMBER 1 RECORD NUMBER 65 LENGTH 44
BAAADBCAJAJC AGBAGBAG AGA
130102 1 4 901000000000

FILE NUMBER 1 RECORD NUMBER 66 LENGTH 44
BAAADBCAJBHC AC AFC
130102 1 417 01000000000

FILE NUMBER 1 RECORD NUMBER 67 LENGTH 44
BAAADBCAJCEC CBGAB A
130102 1 424 01100000000

FILE NUMBER 1 RECORD NUMBER 68 LENGTH 44
BAAADBCAJDBC BG BGBBGBBGBBGA
130102 1 4310 100000000

FILE NUMBER 1 RECORD NUMBER 69 LENGTH 44
BAAADBCAKAHC BFBBFBBGBBF BGB
130102 1 5 70 100000000

FILE NUMBER 1 RECORD NUMBER 70 LENGTH 44
BAAADBCAKBEC B BCFCHBCGACFA
130102 1 5140 110000000

FILE NUMBER 1 RECORD NUMBER 71 LENGTH 44
BAAADBCAKCBC C BCCACE CFBCGB
130102 1 5210 110000000

FILE NUMBER 1 RECORD NUMBER 72 LENGTH 44
BAAADBCAKDGC CEACHACH
130102 1 5260 100000000

Output Summary Blocks
Level of this Summary(either CLSS,TCHR,SCHL,DIST, or OVER)
Overall
District
School
Teacher
Class
Line No.
Number of Classes Used in the Denominator to Obtain the Average at this Level

0	UNIT 1 CLSS 0 1 1 1 1 OUTCOME	1	2	3	4	OTHER	TOTAL N=	1.
1	INITIAL INSTRUCTIONAL TIME	195.0000	20.0000	25.0000	95.0000	5.0000	340.0000	
2	INITIAL INSTRUCTIONAL DAYS	11.6667	1.5000	1.5333	7.5000	1.5000	24.0000	
3	SECOND INSTRUCTIONAL TIME	21.6667	21.6667	21.6667	15.0000	.0000	90.0000	
4	PRACTICE EXERCISE TIME	21.6667	21.6667	21.6667	15.0000	.0000	80.0000	
5	SECOND INSTRUCTIONAL DAYS	1.0833	1.0833	1.0833	.7500	.0000	4.5000	
6	ASSESSMENT NEEDED 7.0000	ASSESSMENT GIVEN	7.0000	%=	100.0000			
7	REVIEW NEEDED 5.0000	REVIEW GIVEN	5.0000	%=	100.0000			
8	AVG DAILY INITIAL INSTR. TIME	16.7143	13.3333	13.6364	12.6667	3.3333	14.1667	
9	AVG DAILY SECOND INSTR. TIME	20.0000	20.0000	20.0000	20.0000	.0000	20.0000	
10	% P. EX. TIME TO SEC. INSTR.	100.0000	100.0000	100.0000	100.0000	.0000	88.8889	
	UNIT 2 CLSS 0 1 1 1 1 OUTCOME	1	2	3	4	OTHER	TOTAL N=	1.
	INITIAL INSTRUCTIONAL TIME	192.1032	36.9444	45.6349	35.3175	20.0000	330.0000	
	INITIAL INSTRUCTIONAL DAYS	9.7302	2.7222	3.0817	1.7659	1.5000	19.0000	
	SECOND INSTRUCTIONAL TIME	70.0000	30.0000	30.0000	30.0000	.0000	160.0000	
	PRACTICE EXERCISE TIME	70.0000	30.0000	30.0000	30.0000	.0000	160.0000	
	SECOND INSTRUCTIONAL DAYS	4.6667	3.0000	2.6667	2.6667	.0000	13.0000	
	ASSESSMENT NEEDED 11.0000	ASSESSMENT GIVEN	8.0000	%=	72.7273			
	REVIEW NEEDED 5.0000	REVIEW GIVEN	5.0000	%=	100.0000			
	AVG DAILY INITIAL INSTR. TIME	19.7431	13.5714	13.9067	20.0000	13.3333	17.3684	
	AVG DAILY SECOND INSTR. TIME	15.0000	10.0000	11.2500	11.2500	.0000	12.3077	
	% P. EX. TIME TO SEC. INSTR.	100.0000	100.0000	100.0000	100.0000	.0000	100.0000	
	UNIT 3 CLSS 0 1 1 1 1 OUTCOME	1	2	3	4	OTHER	TOTAL N=	1.
	INITIAL INSTRUCTIONAL TIME	196.2857	34.8571	27.4286	51.4286	20.0000	330.0000	
	INITIAL INSTRUCTIONAL DAYS	9.3286	1.6857	1.2429	3.1429	1.0000	17.0000	
	SECOND INSTRUCTIONAL TIME	39.6667	35.6667	22.3333	22.3333	.0000	130.0000	
	PRACTICE EXERCISE TIME	35.6667	35.6667	22.3333	22.3333	.0000	116.0000	
	SECOND INSTRUCTIONAL DAYS	3.2167	2.8167	1.9833	1.9833	.0000	11.0000	
	ASSESSMENT NEEDED 9.0000	ASSESSMENT GIVEN	4.0000	%=	44.4444			
	REVIEW NEEDED .0000	REVIEW GIVEN	.0000	%=	.0000			
	AVG DAILY INITIAL INSTR. TIME	21.0413	20.6780	14.3837	16.3636	20.0000	19.4118	
	AVG DAILY SECOND INSTR. TIME	12.3316	12.6627	11.2605	11.2605	.0000	11.8182	
	% P. EX. TIME TO SEC. INSTR.	89.9191	100.0000	100.0000	100.0000	.0000	89.2308	

```
11:23:45    R WLS,WLS
UCC 1108 FORTRAN V LEVEL 3.1
THIS COMPILATION WAS DONE ON 27 APR 71 AT 11:23:45
```

MAIN PROGRAM

STORAGE USED (BLOCK, NAME, LENGTH)

```
0001    *CODE    002771
0100    *DATA    021724
0002    *BLANK   000020
```

EXTERNAL REFERENCES (BLOCK, NAME)

```
0003    NTRAN
0004    DECODE
0005    NERR2$
0006    NADU$
0007    NIO2$
0010    NSTOP$
0011    NRDU$
0012    NIO1$
0013    NWEF$
```


STORAGE ASSIGNMENT FOR VARIABLES (BLOCK, TYPE, RELATIVE LOCATION, NAME)

```
0001  000162 1000L    0001  000217 1001L    0001  001661 1002G    0001  000216 1002L    0001  000230 1003L
0001  001672 1013G    0001  001734 1034G    0001  001745 1042G    0001  001753 1047G    0001  002004 1064G
0001  002005 1067G    0001  001035 1068L    0001  001041 1069L    0001  001017 1072L    0001  001102 1076L
0001  000733 1092L    0001  001010 1093L    0001  000722 1101L    0001  000717 1102L    0001  000707 1104L
0001  002146 1105G    0001  000731 1105L    0001  002173 1120G    0001  002174 1123G    0001  000633 1130L
0001  002242 1136G    0001  002279 1146G    0001  002307 1156G    0001  002324 1164G    0001  002325 1167G
0001  000605 1200L    0001  002371 1203G    0001  002406 1213G    0001  002441 1223G    0001  002463 1232G
0001  002502 1241G    0001  002521 1250G    0001  000762 1250L    0001  002540 1257G    0001  002557 1266G
0001  002616 1311G    0001  002631 1316G    0001  002646 1325G    0001  002661 1332G    0001  002676 1341G
0001  002711 1346G    0001  002731 1364G    0001  002733 1370G    0001  002733 1373G    0001  002745 1402G
0001  000066 177G     0001  001574 2000L    0001  001575 2001L    0001  001670 2020L    0001  000073 203G
0001  001712 2030L    0001  001715 2031L    0001  002205 2050L    0001  002720 2051L    0001  000106 212G
0001  000137 225G     0001  000170 242G     0001  000225 263G     0001  001732 2667L    0001  001737 2689L
0001  002163 2750L    0001  000242 273G     0001  002722 2888L    0000  021372 30F      0001  000315 3001L
0001  000322 3002L    0001  000345 3003L    0001  000356 3004L    0001  000467 3008L    0001  000375 3064L
0001  000441 3065L    0001  000457 3066L    0001  001571 3077L    0001  000301 310G     0001  000337 331G
0001  000362 346G     0001  000464 400G     0001  001121 4000L    0001  000502 405G     0001  001224 4057L
0001  001245 4064L    0001  001462 4066L    0001  001363 4068L    0001  001367 4069L    0001  001526 4070L
0001  001336 4071L    0001  001345 4072L    0001  001560 4073L    0001  001531 4076L    0001  000520 415G
0001  000622 441G     0001  001163 4500L    0001  001170 4501L    0001  001226 4502L    0001  001213 4503L
0001  002754 5000L    0001  000777 511G     0001  001024 524G     0001  001061 536G     0001  001153 565G
0001  001205 606G     0001  001232 622G     0001  001257 637G     0001  001274 647G     0001  001352 665G
0001  001411 677G     0001  001625 752G     0001  001626 755G     0001  001627 760G     0001  001635 763G
0001  001660 774G     0001  001660 777G     0001  000004 899L     0000  021400 9000F    0000  021411 9001F
0000  021422 9002F    0000  021437 9003F    0000  021467 9004F    0000  021453 9006F    0000  021475 9007F
0000  021520 9008F    0000  021536 9009F    0000  021540 9010F    0000  021550 9011F    0000  021560 9012F
0000  021570 9013F    0000  021605 9014F    0000  021652 9015F    0000  021622 9017F    0000  021632 9018F
0000  021642 9019F    0001  000037 902L     0001  000043 903L     0001  000025 906L     0001  000013 907L
0001  002311 9193L    0001  000054 999L     0000 R 014541 AG      0000 I 000002 AGIVE   0000 R 014457 AN
```

```
0000 I 0016[illegible]NEED     0000 R 020233 AVG      0000 R 014623 AW[illegible]    0000 I 021310 I        0000 I 021327 IACT
0000 I 021357 IAG      0000 I 021356 IAN      0000 I 021[illegible]36 IASSES 0000 I 021363 IAVG     0000 I 021264 IBLANK
0000 I 003412 ICON     0000 I 003444 ICR      0000 I 021314 ICRIEX   0000 I 021312 ICURU    0000 I 021305 IDAY
0000 I 021267 IEOF     0000 I 021266 IFIPST   0000 I 003467 IHDGS    0000 I 021317 IHI      0000 I 021304 ILEV
0000 I 021316 ILO      0000 I 010732 INDCRI   0000 I 021320 IOUT     0000 I 021270 IRECS    0000 I 021355 IRG
0000 I 021354 IRN      0000 I 021315 ISKILL   0000 I 021022 ISUN     0000 I 021371 ISWRL    0000 I 021344 IUNI
0000 I 021313 IUNIT    0000 I 021277 IWEEK    0000 I 021301 IX       0000 I 021265 IY       0000 I 021273 J
0000 I 021343 JACT     0000 I 020543 JALUNI   0000 I 003432 JCON     0000 I 021334 JCURU    0000 I 021321 JDAY
0000 I 021350 JDAYHI   0000 I 021351 JDAYLO   0000 I 021340 JHI      0000 I 021342 JLEV     0000 I 021337 JLO
0000 I 021326 JOUT     0000 I 021336 JSKILL   0000 I 021300 JSUN     0000 I 021335 JUNIT    0000 I 011511 JWKUNI
0000 I 021366 K        0000 I 021352 KDAYHI   0000 I 021353 KDAYLO   0000 I 011504 KDSTC    0000 I 021303 KGROUP
0000 I 021346 KGRP     0000 I 021345 KLINE    0000 I 021341 KOUT     0000 I 021306 KPUNI    0000 I 007104 KRG
0000 I 005300 KRN      0000 I 021360 KSKILL   0000 I 021302 KWEEK    0000 I 021323 K1       0000 I 021324 K2
0000 I 021365 L        0000 I 011026 LDSTC    0000 I 021272 LEV      0000 I 021307 LGRID    0000 I 021330 LGRID2
0000 I 021006 LNWKS    0000 I 021347 LWEEK    0000 I 021322 M        0000 I 011033 MALPHA   0000 I 000000 MAX
0000 I 011430 MBUFF    0000 I 021275 MDAY     0000 I 011423 MDSTC    0000 I 021276 MGROUP   0000 I 000001 MIN
0000 I 021361 MLEV     0000 I 021333 MMAX     0000 I 021332 MMIN     0000 I 021274 MONTH    0000 I 003456 MOUTCO
0000 I 021271 MSTAT    0000 I 011411 MUNIT    0000 I 021311 NBOT     0000 I 020555 NGRPS    0000 I 021364 NLEV
0000 I 020315 NOUTCO   0000 I 021331 NPT      0000 R 010716 PACT     0000 R 021367 PAGAN    0000 R 021370 PRGRN
0000 R 010710 RACT     0000 R 003474 RAVG1    0000 R 004150 RAVG2    0000 R 004624 RAVG3    0000 R 020724 RG
0000 R 021325 RMINS    0000 R 020642 RN       0000 R 010724 SACT     0000 R 021342 SMINS    0000 R 011523 XWEEK
```

```
00101     1•          INTEGER AGIVE,ANEED
00103     2•          DIMENSION ICON(2,8),JCON(10),ICR(10),NOUTCO(9)
00104     3•          DIMENSION IHDGS(5),RAVG1(10,6,5),RAVG2(10,6,5),RAVG3(10,6,5)
00105     4•          DIMENSION KRN(6,10,15),KRG(6,10,15)
00106     5•          DIMENSION ANEED(6,10,15), AGIVE(6,10,15)
00107     6•          DIMENSION          RACT(6),PACT(6),SACT(6)
00110     7•          DIMENSION INDCRI(10,6),LDSTC(5)
00111     8•          DIMENSION MALPHA(238),MUNIT(10),MDSTC(5),MBUFF(44),KDSTC(5)
00112     9•          DIMENSION JWKUNI(10),XWEEK(10,6,5,5),AN(10,5),AG(10,5),
00112    10•         1          AWEEK(6,10,6,5),AVG(10,5)
00113    11•          DIMENSION NOUTCO(10,15)
00114    12•          DIMENSION JALUNI(10),NGRPS(53),RN(10,5),RG(10,5)
00115    13•          DIMENSION LNWKS(12),ISUN(12)
00116    14•          DIMENSION IASSES(10,15)
00117    15•          DATA IBLANK/' '/
00121    16•          DATA ISUN /6,3,7,5,2,7,4,8,8,5,3,7/
00123    17•          DATA LNWKS/1,5,10,14,18,23,27,32,36,40,44,49/
00125    18•          DATA NOUTCO/1,1,2,2,3,3,4,4,5/
00127    19•          DATA ICR/15,14,12,13,10,10,9,12,15,11/
00131    20•          DATA ICON/'A',5,'B',10,'C',20,'D',30,'E',40,'F',50,'G',60,
00131    21•         1'H',70/
00133    22•          DATA IHDGS/'OVER','DIST','SCHL','TCHR','CLSS'/
00135    23•          DATA JCON/'A','B','C','D','E','F','G','H','I','J'/
00137    24•          DATA NOUTCO/5,2,1,4,3,2,4,3,4,5,
00137    25•         1            4,3,2,2,3,3,3,1,3,3,
00137    26•         1            5,3,3,3,1,1,1,2,1,1,
00137    27•         1            1,1,1,3,2,2,2,3,5,3,
00137    28•         1            2,2,2,1,3,3,3,1,1,1,
00137    29•         1            3,3,3,2,1,1,1,5,3,5,
00137     3 •         1            1,3,3,1,4,1,1,3,1,1,
00137    31•         1            4,1,1,3,3,3,1,1,4,5,
00137    32•         1            5,4,4,3,1,1,5,1,5,1,
00137    33•         1            1,1,1,1,5,5,5,5,1,1,
00137    34•         1            3,1,1,1,5,5,5,1,2,5,
00137    35•         1            2,1,5,1,5,5,5,5,3,5,
00137    36•         1            3,1,5,5,5,5,5,5,5,5,
00137    37•         1            1,5,5,5,5,5,5,5,1,5,
00137    38•         1            5,5,5,5,5,5,5,5,5,5/
```

```
00141    39*        DATA  IASSES/0,1,1,1,0, 1,1,1,1,0,
00141    40*       1              1,0,1,1,1, 1,1,1,1,1,
00141    41*       1              0,1,0,0,1, 1,1,1,1,1,
00141    42*       1              1,1,1,1,1, 1,1,1,0,1,
00141    43*       1              0,1,1,1,1, 1,1,1,1,1,
00141    44*       1              0,1,0,1,1, 1,1,0,1,0,
00141    45*       1              1,1,1,1,1, 1,1,1,1,1,
00141    46*       1              1,1,1,0,0, 1,1,1,0,0,
00141    47*       1              0,1,1,1,1, 1,0,1,1,1,
00141    48*       1              1,1,1,1,0, 0,0,0,1,1,
00141    49*       1              0,1,1,1,0, 0,0,1,1,0,
00141    50*       1              1,1,0,1,0, 0,0,0,0,0,
00141    51*       1              0,1,0,0,0, 0,0,0,1,0,
00141    52*       1              1,0,0,0,0, 0,0,0,1,0,
00141    53*       1              0,0,0,0,0, 0,0,0,0,0/
00143    54*         30 FORMAT(132A1/106A1,4I2,2I2,I1,10I1,3X)
00144    55*       9000 FORMAT(' NTRAN ERROR NO.=',I5,1X,'RECORD COUNT= ',I8/)
00145    56*       9001 FORMAT(' CALENDAR ROUTINE ERROR. RECORD COUNT= ',I5/)
00146    57*       9002 FORMAT(' MORE THAN ONE SHEET PER WEEK FOR A',1X,
00146    58*          1'GROUP AT RECORD NO.=',I8/)
00147    59*       9003 FORMAT(' FAILED TO FIND UNIT IN ''DO 1003 LOOP''',1X,
00147    60*          1'FOR RECORD NO.=',I8/)
00150    61*       9006 FORMAT(' FAILED TO FIND UNIT IN ''DO 4503 LOOP''',1X,
00150    62*          1'FOR RECORD NO.=',I8/)
00151    63*       9004 FORMAT(' NORMAL END. RECORD COUNT=',I5/)
00151    64*     C  INITIALIZATION
00152    65*          IFIRST=1
00153    66*          IEOF=0
00154    67*          IRECS=0
00154    68*     C  TAPE INPUT
00155    69*       899 CALL NTRAN(2,2,44,MBUFF,MSTAT)
00156    70*       907 IF(MSTAT.EQ.-1) GOTO 907
00160    71*          IF(MSTAT.GT.0) GOTO 999
00162    72*          MSTAT=-MSTAT
00163    73*       906 GOTO(906,902,903,903),MSTAT
00164    74*       902 IEOF=1
00165    75*          LEV=1
00166    76*          GOTO 2000
00167    77*       903 WRITE(6,9000) MSTAT,IRECS
00173    78*          STOP 1
00174    79*       999 CALL DECODE(MBUFF,132)
00175    80*          READ(31,30) MALPHA,(MDSTC(J),J=2,5),MONTH,MDAY,MGROUP,MUNIT
00216    81*          IF(MDSTC(2).EQ.99) GOTO 902
00220    82*          MGROUP=MGROUP+1
00221    83*          IRECS=IRECS+1
00221    84*     C  CALENDAR ROUTINE
00222    85*          IWEEK=LWKS(MONTH)
00223    86*          JSUN=ISUN(MONTH)
00224    87*          DO 950 IX=JSUN,38,7
00227    88*          IF(MDAY.LT.IX) GOTO 1000
00231    89*       950 IWEEK=IWEEK+1
00233    90*          WRITE(6,9001)      IRECS
00236    91*          STOP 2
00236    92*     C  CONTROL ROUTINE
00237    93*      1000 IF(IFIRST.EQ.1) GOTO 1002
00241    94*          DO 1006 LEV=2,5
00244    95*          IF(MDSTC(LEV).NE.KLSTC(LEV)) GOTO 2000
00246    96*      1006 CONTINUE
00250    97*          IF(<WEEK,NE,IWEEK) GOTO 2000
00252    98*          IF(<GROUP,EQ,MGROUP) WRITE(6,9002) IRECS
```

```
00256           GOTO 1003
00257      1002 IFIRST=
00260      1001 IF(IEOF.EQ.1) GOTO 5000
00262           DO 1004 ILEV=2,5
00265      1004 KDSTC(ILEV)=MDSTC(ILEV)
00267      1003 KWEEK=IWEEK
00270           KGROUP=MGROUP
00271           NGRPS(IWEEK)=NGRPS(IWEEK) + 1
00271     C  BEGIN TO PROCESS WEEKLY LOG PAGE
00271     C   INITIAL INSTRUCTIO
00272           DO 3077 IDAY=1,5
00275           KP  I=0
00275     C  ASSIGN INITIAL INSTRUCTION UNIT NUMBER
00276           LGRID=14+(IDAY-1)*3
00277           I=LGRID
00300           NBOT=LGRID
00301           IF(MALPHA(LGRID).NE.IBLANK) GOTO 3004
00303           IF(MALPHA(LGRID+1).NE.IBLANK) GOTO 3001
00305           MIN=LGRID+16-IDAY
00306           MAX=MIN+140
00307           DO 3056 I=MIN,MAX,10
00312           IF(MALPHA(I).NE.IBLANK) GOTO 3001
00314           IF(MALPHA(I+1).NE.IBLANK) GOTO 3001 /
00316      3056 CONTINUE
00320           GOTO 4000
00321      3001 IF(ICURR.EQ.0) GOTO 3002
00323           IUNIT=ICURR
00324           GOTO 3064
00325      3002 NBOT=NBOT+3
00326           IF(NBOT.GT.26) GOTO 4000
00330           DO 3003 I=NBOT,26,3
00333           IF(MALPHA(I).EQ.IBLANK) GOTO 3003
00335           GOTO 3004
00336      3003 CONTINUE
00340           WRITE(6,9003) INFCS
00343           GOTO 4000
00344      3004 IUNIT=0
00345           DO 3005 J=1,12
00350           IF(MALPHA(I).EQ.JCON(J)) IUNIT=J
00352      3005 CONTINUE
00354           IF(IUNIT.EQ.0) GOTO 3002
00356      3064 ICURR=IUNIT
00357           IF(INDCRI(IUNIT,MGROUP).NE.0) GOTO 4000
00361           KPUNI=IUNIT
00362           JWKUNI(IUNIT)=1
00363           JALUNI(IUNIT)=1
00363     C  CRITERION EXERCISE ROUTINE
00364           ICRIEX=LGRID+16-IDAY+ICR(IUNIT)*10-10
00365           IF(MALPHA(ICRIEX).NE.IBLANK) GOTO 3065
00367           IF(MALPHA(ICRIEX+1).NE.IBLANK) GOTO 3065
00371           GOTO 3066
00372      3065 IF(MGROUP.EQ.1) GOTO 3066
00374           INDCRI(IUNIT,MGROUP)=1
00375           INDCRI(IUNIT,6)     =1
00376           GOTO 3008
00377      3066 DO 3068 I=1,6
00402      3068 INDCRI(IUNIT,I)=1
00404      3008 DO 3067 I=1,6
00407      3067 NACT(I)=0
00411           ISKILL=0
```

```
00412   158.          ILO=27+2*IDAY
00413   160.          IHI=ILO+140
00414   161.          DO 1072 J=ILO,IHI,10
00417   164.          ISKILL=ISKILL+1
00417   162.    C  COUNT ACTIVITIES WITHIN OUTCOME
00420   163.          IF(MALPHA(J).EQ.IBLANK.AND.MALPHA(J+1).EQ.IBLANK) GOTO 1072
00422   165.          IOUT=NOUTCO(IUNIT,ISKILL)
00423   165.          RACT(IOUT)=RACT(IOUT)+1
00424   167.          RACT(6)=RACT(6)+1
00424   166.    C  COUNT ASSESMENT NEEDED AND ASSESMENT GIVEN
00425   168.          IF(IASSES(IUNIT,ISKILL).EQ.0) GOTO 1072
00427   17 .          JDAY=IWEEK*5-5+IDAY
00430   171.          IF(MGROUP.EQ.1) GOTO 1200
00432   172.          IF(ANEED(1,IUNIT,ISKILL).NE.0) GOTO 1130
00434   173.          IF(ANEED(MGROUP,IUNIT,ISKILL).NE.0) GOTO 1130
00436   173.          ANEED(MGROUP,IUNIT,ISKILL)=JDAY
00437   179.          GOTO 1130
00440   176.    1200  DO 1202 M=1,6
00443   177.          IF(ANEED(M,IUNIT,ISKILL).NE.0) GOTO 1130
00445   178.    1202  CONTINUE
00447   179.          ANEED(1,IUNIT,ISKILL)=JDAY
00450   180.    1130  IF((MALPHA(J+1).EQ.JCON(1).OR.
00450   181.         1MALPHA(J+1).EQ.JCON(2)).AND.ANEED(MGROUP,IUNIT,ISKILL).EQ.JDAY)
00450   182.         2AGIVE(MGROUP,IUNIT,ISKILL)=JDAY
00450   183.    C  INDICATE IF REVIEW NEEDED OR REVIEW GIVEN
00452   184.          K1=KRN(MGROUP,IUNIT,ISKILL)
00453   185.          K2=KRG(MGROUP,IUNIT,ISKILL)
00454   186.          IF(MALPHA(J+1).NE.JCON(2)) GOTO 1101
00456   187.          IF(K1.EQ.0) GOTO 1102
00460   188.          IF(K1.EQ.-1) GOTO 1072
00462   189.          IF(K2.NE.0) GOTO 1092
00464   190.    1104  IF(K1+1.NE.JDAY) GOTO 1092
00466   191.          K2=JDAY
00467   192.          GOTO 1092
00470   193.    1102  K1=JDAY
00471   194.          GOTO 1092
00472   195.    1101  IF(K1.EQ.0) GOTO 1105
00474   196.          IF(K1.EQ.-1) GOTO 1092
00476   197.          GOTO 1104
00477   198.    1105  K1=-1
00500   199.    1092  IF(MGROUP.EQ.1) GOTO 1250
00502   200.          IF(KRN(1,IUNIT,ISKILL).NE.0) GOTO 1093
00504   201.          IF(KRN(MGROUP,IUNIT,ISKILL).NE.0) GOTO 1093
00506   202.          KRN(MGROUP,IUNIT,ISKILL)=K1
00507   203.          GOTO 1093
00510   204.    1250  DO 1252 M=1,6
00513   205.          IF(KRN(M,IUNIT,ISKILL).NE.0) GOTO 1093
00515   206.    1252  CONTINUE
00517   207.          KRN(1,IUNIT,ISKILL)=K1
00520   208.    1093  KRG(MGROUP,IUNIT,ISKILL)=K2
00521   209.    1072  CONTINUE
00521   210.    C  DECODE INITIAL INSTRUCTIONAL TIME
00523   211.          DO 1068 J=1,8
00526   212.          IF(MALPHA(LGRID+1).NE.ICON(1,J)) GOTO 1068
00530   213.          RMINS=ICON(2,J)
00531   214.          GOTO 1069
00532   215.    1068  CONTINUE
00534   216.          RMINS=0
00534   217.    C  ACCUMULATE INITIAL INSTRUCTIONAL TIME AND DAYS FOR WEEK
00535   218.    1069  DO 1070 JOUT=1,6
```

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00540   219.          IACT=RACT(6)+.5
00540   220.      C  IF NO SKILLS OR ACTIVITIES ASSIGNED ADD INITIAL INSTRUCTIONAL TIME
00540   221.      C  TO 'OTHER' COLUMN
00541   222.          IF(IACT.EQ.0) GOTO 1076
00543   223.          AWEEK(MGROUP,IUNIT,JOUT,1)=RMINS*(RACT(JOJT)/RACT(6))+
00543   224.         1AWEEK(MGROUP,IUNIT,JOUT,1)
00544   225.          AWEEK(MGROUP,IUNIT,JOUT,2)=RACT(JOUT)/RACT(6)
00544   226.         1                          +AWEEK(MGROUP,IUNIT,JOUT,2)
00545   227.       1070 CONTINUE
00547   228.          GOTO 4000
00550   229.       1076 AWEEK(MGROUP,IUNIT,5,1)=RMINS+AWEEK(MGROUP,IUNIT,5,1)
00551   230.          AWEEK(MGROUP,IUNIT,6,1)=RMINS+AWEEK(MGROUP,IUNIT,6,1)
00552   231.          AWEEK(MGROUP,IUNIT,5,2)=1+AWEEK(MGROUP,IUNIT,5,2)
00553   232.          AWEEK(MGROUP,IUNIT,6,2)=1+AWEEK(MGROUP,IUNIT,6,2)
00553   233.      C  SECOND INSTRUCTION
00553   234.      C  ASSIGN SECOND INSTRUCTION UNIT NUMBER
00554   235.       4000 LGRID2 = LGRID + 165
00555   236.          NPT=LGRID2
00556   237.          IF(MALPHA(LGRID2).NE.IBLANK) GOTO 4057
00560   238.          IF(MALPHA(LGRID2+1).NE.IBLANK) GOTO 4500
00562   239.          MMIN=194 + (IDAY-1)*9
00563   240.          MMAX=MMIN+8
00564   241.          DO 4058 J=MMIN,MMAX
00567   242.          IF(MALPHA(J).NE.IBLANK) GOTO 4500
00571   243.       4058 CONTINUE
00573   244.          GOTO 3077
00574   245.       4500 IF(JCURU.EQ.0) GOTO 4501
00576   246.          JUNIT=JCURU
00577   247.          GOTO 4064
00600   248.       4501 NPT=NPT + 3
00601   249.          IF(NPT.GT.191) GOTO 3077
00603   250.          DO 4503 I=NPT,191,3
00606   251.          IF(MALPHA(I).EQ.IBLANK) GOTO 4503
00610   252.          GOTO 4502
00611   253.       4503 CONTINUE
00613   254.          WRITE(6,9006) IRECS
00616   255.          GOTO 3077
00617   256.       4057 I=LGRID2
00620   257.       4502 JUNIT=0
00621   258.          DO 4504 J=1,10
00624   259.          IF(MALPHA(I).EQ.JCON(J)) JUNIT=J
00626   260.       4504 CONTINUE
00630   261.          IF(JUNIT.EQ.0) GOTO 4501
00632   262.       4064 JCURU=JUNIT
00633   263.       4065 JWKUNI(JUNIT)=1
00634   264.          JALUNI(JUNIT)=1
00634   265.      C  COUNT SECOND INSTRUCTION EXERCISES AND PRACTICE EXERCISES
00635   266.          JSKILL=0
00636   267.          DO 4067 I=1,6
00641   268.          PACT(I)=0
00642   269.       4067 SACT(I)=0
00644   270.          JLO=194+(IDAY-1)*9
00645   271.          JHI=JLO+8
00646   272.          DO 4072 J=JLO,JHI
00651   273.          JSKILL=JSKILL + 1
00652   274.          IF(MALPHA(J).EQ.IBLANK) GOTO 4072
00654   275.          KOUT=MOUTCO(JSKILL)
00655   276.          SACT(KOUT)=SACT(KOUT) + 1
00656   277.          SACT(6)   =SACT(6)    + 1
00657   278.          GOTO(4071,4072,4071,4072,4071,4072,4071,4072,4072),JSKILL
```

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00660   279.     4071 PACT(KOUT)=PACT(KOUT)+1
00661   280.          PACT(6)=PACT(6)+1
00662   281.     4072 CONTINUE
00662   282.    C  DECODE SECOND INSTRUCTIONAL TIME
00664   283.          DO 4068 J=1,8
00667   284.          IF(MALPHA(LGRID2+1),NE.ICON(1,J)) GOTO 4068
00671   285.          SMINS=ICON(2,J)
00672   286.          GOTO 4069
00673   287.     4068 CONTINUE
00675   288.          SMINS=0
00675   289.    C  IF CRITERION EXERCISE GIVE ACCUMULATE  TIME, P, EX. TIME, AND DAYS
00675   290.    C  INTO SECOND INSTRUCTION BLOCK, OTHERWISE ADD TIME TO OTHER OF
00675   291.    C  INITIAL INSTRUCTION BLOCK AND IF DAY NOT ALREADY COUNTED FOR THIS
00675   292.    C  UNIT ADD DAY TO INITIAL INSTRUCTION BLOCK IN THE SAME MANNER
00676   293.     4069 DO 4070 KOUT=1,6
00701   294.          IF(INDCRI(JUNIT,MGROUP).NE.0) GOTO 4066
00703   295.          JACT=SACT(6)+.5
00704   296.          IF(JACT.EQ.0) GOTO 4076
00706   297.          AWEEK(MGROUP,JUNIT,KOUT,1)=SMINS*(SACT(KOUT)/SACT(6)) +
00706   298.         1AWEEK(MGROUP,JUNIT,KOUT,1)
00707   299.          IF(KPUNI.EQ.JUNIT) GOTO 4070
00711   300.          AWEEK(MGROUP,JUNIT,KOUT,2)=SACT(KOUT)/SACT(6) +
00711   301.         1AWEEK(MGROUP,JUNIT,KOUT,2)
00712   302.          GOTO 4070
00713   303.     4066 JACT=SACT(6)+.5
00714   304.          IF(JACT.EQ.0) GOTO 4073
00716   305.          AWEEK(MGROUP,JUNIT,KOUT,3)=SMINS*(SACT(KOUT)/SACT(6))+
00716   306.         1AWEEK(MGROUP,JUNIT,KOUT,3)
00717   307.          AWEEK(MGROUP,JUNIT,KOUT,5)=SACT(KOUT)/SACT(6)+
00717   308.         1AWEEK(MGROUP,JUNIT,KOUT,5)
00720   309.     4074 JACT=PACT(6)+.5
00721   310.          IF(JACT.EQ.0) GOTO 4070
00723   311.          AWEEK(MGROUP,JUNIT,KOUT,4)=SMINS*(PACT(KOUT)/SACT(6))+
00723   312.         1AWEEK(MGROUP,JUNIT,KOUT,4)
00724   313.     4070 CONTINUE
00726   314.          GOTO 3077
00727   315.     4076 AWEEK(MGROUP,JUNIT,6,1)=SMINS+AWEEK(MGROUP,JUNIT,6,1)
00730   316.          AWEEK(MGROUP,JUNIT,5,1)=SMINS+AWEEK(MGROUP,JUNIT,5,1)
00731   317.          IF(KPUNI.EQ.JUNIT) GOTO 3077
00733   318.          AWEEK(MGROUP,JUNIT,6,2)=1     +AWEEK(MGROUP,JUNIT,6,2)
00734   319.          AWEEK(MGROUP,JUNIT,5,2)=1 + AWEEK(MGROUP,JUNIT,5,2)
00735   320.          GOTO 3077
00736   321.     4073 AWEEK(MGROUP,JUNIT,6,5)=1 + AWEEK(MGROUP,JUNIT,6,5)
00737   322.          AWEEK(MGROUP,JUNIT,6,3)=SMINS + AWEEK(MGROUP,JUNIT,6,3)
00740   323.     3077 CONTINUE
00742   324.          GOTO 899
00742   325.    C ACCUMULATE WEEKS
00743   326.     2000 IUNI=0
00744   327.     2001 IUNI=IUNI+1
00745   328.          IF(IUNI.GT.10) GOTO 2020
00747   329.          IF(JAKUNI(IUNI).EQ.0) GOTO 2001
00751   330.          DO 2006 KLINE=1,5
00754   331.          DO 2006 KOUT=1,6
00757   332.          DO 2006 KGRP=1,6
00762   333.          DO 2006 ILEV=1,5
00765   334.          XWEEK(IUNI,KOUT,KLINE,ILEV)=
00765   335.         1XWEEK(IUNI,KOUT,KLINE,ILEV)+AWEEK(KGRP,IUNI,KOUT,KLINE)
00765   336.         2/(NGRPS(KWEEK)*1.)
00766   337.     2006 CONTINUE
00773   338.          DO 2008 KLINE=1,5
```

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      DO 2008 KOUT=1,6
      DO 2008 KGRP=1,6
 2008 AWEEK(KGRP,IUNI,KOUT,KLINE)=0
      JWKUNI(IUNI)=0
      GOTO 2021
 2020 DO 2022 ILEV=2,5
      IF(MDSTO(ILEV),LE,KDSTO(ILEV),OR,IERF,EQ,1) GOTO 2030
 2022 CONTINUE
      GOTO 1003
 2030 ICURU=0
      JCURU=0
      IUNI=0
 2031 IUNI=IUNI+1
      IF(IUNI,GT,10) GOTO 2687
      IF(JALUNI(IUNI),EQ,0) GOTO 2050
      GOTO 2689
 2687 DO 2684 LWEEK=1,53
 2684 NGRPS(LWEEK)=0
      GOTO 1001
C  COUNT REVIEW NEEDED AND REVIEW GIVEN
 2689 DO 2688 ILEV=1,5
 2688 AVG(IUNI,ILEV)=AVG(IUNI,ILEV)+1.0
      DO 2700 LWEEK=1,53
      IF(NGRPS(LWEEK),EQ,0) GOTO 2700
      JDAYHI=LWEEK*5
      JDAYLO=JDAYHI-4
      KDAYHI=JDAYHI+1
      KDAYLO=JDAYLO+1
      IRN=0
      IRG=0
      IAN=0
      IAG=0
      DO 2600 KGRP=1,6
      DO 2600 KSKILL=1,15
      IF(<RN(<GRP,IUNI,KSKILL),GE,JDAYLO,AND,
     1   <RN(KGRP,IUNI,KSKILL),LE,JDAYHI) IRN=IRN+1
      IF(<RG(KGRP,IUNI,KSKILL),GE,KDAYLO,AND,
     1   <RG(KGRP,IUNI,KSKILL),LE,KDAYHI) IRG=IRG+1
      IF(ANEED(KGRP,IUNI,KSKILL),GE,JDAYLO,AND,
     1     ANEED(KGRP,IUNI,KSKILL),LE,JDAYHI) IAN=IAN+1
      IF(AGIVE(KGRP,IUNI,KSKILL),GE,JDAYLO,AND,
     1     AGIVE(KGRP,IUNI,KSKILL),LE,JDAYHI) IAG=IAG+1
 2600 CONTINUE
      DO 2602 ILEV=1,5
      RN(IUNI,ILEV)=RN(IUNI,ILEV)+(IRN*1.0)/(NGRPS(LWEEK)*1.0)
      RG(IUNI,ILEV)=RG(IUNI,ILEV)+(IRG*1.0)/(NGRPS(LWEEK)*1.0)
      AN(IUNI,ILEV)=AN(IUNI,ILEV)+(IAN*1.0)/(NGRPS(LWEEK)*1.0)
      AG(IUNI,ILEV)=AG(IUNI,ILEV)+(IAG*1.0)/(NGRPS(LWEEK)*1.0)
 2602 CONTINUE
 2700 CONTINUE
      DO 2702 KGRP=1,6
      DO 2702 KSKILL=1,15
      KRN(KGRP,IUNI,KSKILL)=0
      KRG(KGRP,IUNI,KSKILL)=0
      AGIVE(KGRP,IUNI,KSKILL)=0
      ANEED(KGRP,IUNI,KSKILL)=0
 2702 CONTINUE
C  OUTPUT ROUTINE
 2050 MLEV=0
      DO 2888 ILEV=LEV,5
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01140   399*          MLEV=MLEV+1
01141   400*          JLEV=6-MLEV
01142   401*          IAVG=AVG(IUNI,JLEV)+.5
01143   402*          IF(IAVG.EQ.0) GOTO 2888
01145   403*          DO 9075 J=1,JLEV
01150   404*     9075 LDSTC(J)=KDSTC(J)
01152   405*          IF(JLEV.EQ.5) GOTO 9193
01154   406*          NLEV=JLEV+1
01155   407*          DO 9076 J=NLEV,5
01160   408*     9076 LDSTC(J)=0
01162   409*     9007 FORMAT(1X,'UNIT ',I2,1X,A4,1X,5I2,' OUTCOME   1',9X,'2',
01162   410*         1 9X,'3',9X,'   4',6X,'   OTHER',6X,'   TOTAL',
01162   411*         1 '  N=',F6.0)
01163   412*     9193 DO 9016 L=1,5
01166   413*          DO 9016 K=1,6
01171   414*     9016 XWEEK(IUNI,K,L,JLEV)=XWEEK(IUNI,K,L,JLEV)/AVG(IUNI,JLEV)
01174   415*          AN(IUNI,JLEV)=AN(IUNI,JLEV)/AVG(IUNI,JLEV)
01175   416*          AG(IUNI,JLEV)=AG(IUNI,JLEV)/AVG(IUNI,JLEV)
01176   417*          RN(IUNI,JLEV)=RN(IUNI,JLEV)/AVG(IUNI,JLEV)
01177   418*          RG(IUNI,JLEV)=RG(IUNI,JLEV)/AVG(IUNI,JLEV)
01200   419*          PAGAN=100.0*(AG(IUNI,JLEV)/AN(IUNI,JLEV))
01201   420*          PRGRN=100.0*(RG(IUNI,JLEV)/RN(IUNI,JLEV))
01202   421*          DO 9047 K=1,6
01205   422*          RAVG1(IUNI,K,JLEV)=XWEEK(IUNI,K,1,JLEV)/
01205   423*         1                   XWEEK(IUNI,K,2,JLEV)
01206   424*          RAVG2(IUNI,K,JLEV)=XWEEK(IUNI,K,3,JLEV)/
01206   425*         1                   XWEEK(IUNI,K,5,JLEV)
01207   426*          RAVG3(IUNI,K,JLEV)=100.0*XWEEK(IUNI,K,4,JLEV)/
01207   427*         1                   XWEEK(IUNI,K,3,JLEV)
01210   428*     9047 CONTINUE
01212   429*          DO 9051 ISWRL=6,8,2
01215   430*          IF(ISWRL.EQ.8.AND.JLEV.NE.5) GOTO 2051
01217   431*          WRITE(ISWRL,9007) IUNI,IHDGS(JLEV),(LDSTC(J),J=1,5)
01217   432*         1 ,AVG(IUNI,JLEV)
01230   433*          WRITE(ISWRL,9008)(XWEEK(IUNI,K,1,JLEV),K=1,6)
01236   434*     9008 FORMAT(1X,'INITIAL INSTRUCTIONAL TIME   ',6(F10.4))
01237   435*          WRITE(ISWRL,9009)(XWEEK(IUNI,K,2,JLEV),K=1,6)
01245   436*     9009 FORMAT(1X,'INITIAL INSTRUCTIONAL DAYS   ',6(F10.4))
01246   437*          WRITE(ISWRL,9010)(XWEEK(IUNI,K,3,JLEV),K=1,6)
01254   438*     9010 FORMAT(1X,'SECOND INSTRUCTIONAL TIME    ',6(F10.4))
01255   439*          WRITE(ISWRL,9011)(XWEEK(IUNI,K,4,JLEV),K=1,6)
01263   440*     9011 FORMAT(1X,'PRACTICE EXERCISE TIME       ',6(F10.4))
01264   441*          WRITE(ISWRL,9012)(XWEEK(IUNI,K,5,JLEV),K=1,6)
01272   442*     9012 FORMAT(1X,'SECOND INSTRUCTIONAL DAYS    ',6(F10.4))
01273   443*          WRITE(ISWRL,9013)AN(IUNI,JLEV),AG(IUNI,JLEV),PAGAN
01300   444*     9013 FORMAT(1X,'ASSESSMENT NEEDED',F10.4,1X,'ASSESSMENT GIVEN',F10.4,
01300   445*         1 2X,'%=',F10.4)
01301   446*          WRITE(ISWRL,9014) RN(IUNI,JLEV),RG(IUNI,JLEV),PRGRN
01304   447*     9014 FORMAT(' REVIEW NEEDED',4X,F10.4,' REVIEW GIVEN    ',F10.4,
01306   448*         1 2X,'%=',F10.4)
01307   449*          WRITE(ISWRL,9017)(RAVG1(IUNI,K,JLEV),K=1,6)
01315   450*          DO 9091 K=1,6
01320   451*     9091 RAVG1(IUNI,K,JLEV)=0
01322   452*     9017 FORMAT(1X,'AVG DAILY INITIAL INSTR. TIME',6(F10.4))
01323   453*          WRITE(ISWRL,9018)(RAVG2(IUNI,K,JLEV),K=1,6)
01331   454*          DO 9092 K=1,6
01334   455*     9092 RAVG2(IUNI,K,JLEV)=0
01336   456*     9018 FORMAT(1X,'AVG DAILY SECOND INSTR. TIME ',6(F10.4))
01337   457*          WRITE(ISWRL,9019)(RAVG3(IUNI,K,JLEV),K=1,6)
01345   458*          DO 9093 K=1,6
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01350   459.      9093 RAVG3(IUNI,K,JLEV)=0
01352   460.      9019 FORMAT(1X,'% P. EX. TIME TO SEC. INSTR. ',6(F10.4))
01353   461.           WRITE(ISWRL,9015)
01355   462.      9015 FORMAT(/)
01356   463.      2051 CONTINUE
01360   464.      2888 CONTINUE
01362   465.           JALUNI(IUNI)=0
01363   466.           DO 2890 J=1,6
01366   467.           INDCRI(IUNI,J)=0
01367   468.           DO 2890 ILEV=LEV,5
01372   469.           DO 2890 K=1,5
01375   470.      2890 XWEEK(IUNI,J,K,ILEV)=0
01401   471.           DO 2899 ILEV=LEV,5
01404   472.           RN(IUNI,ILEV)=0
01405   473.           RG(IUNI,ILEV)=0
01406   474.           AN(IUNI,ILEV)=0
01407   475.           AG(IUNI,ILEV)=0
01410   476.      2899 AVG(IUNI,ILEV)=0
01412   477.           GOTO 2031
01413   478.      5000 WRITE(6,9004) IRECS
01416   479.           END FILE 8
01417   480.           STOP 3
01420   481.           END

          END OF UCC 1108 FORTRAN V COMPILATION.      0 *DIAGNOSTIC* MESSAGE(S)
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