

VOCATIONAL EDUCATION REPORTING SYSTEM

C.S. 595 Project

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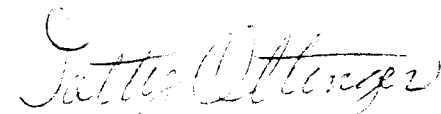
DIVISION OF CURRICULUM AND INSTRUCTION

April 25, 1985

TO WHOM IT MAY CONCERN:

The Vocational Education Data Reporting System designed and written by Joe Holland for the Corpus Christi Independent School District is operating as intended. It has significantly reduced the time needed to complete the Vocational Education Data System Report by automating redundant computation. This allows the staff to be more productive in other critical areas.

Sincerely,



Dotty Ottinger

Vocational Administrator

ABSTRACT

The Vocational Education Reporting System (VERS) is designed to provide an automated mechanism for data collection and report production for the Vocational Education Department of the Corpus Christi Independent School District.

The reporting system for Vocational Education must serve two needs. First, reports are required by the Texas Education Agency for monitoring the local organization. Funding for the program is allocated based on the enrollment in the program and other factors such as the number of handicapped students being served by the program, the kinds of programs offered etc. In addition to the T.E.A. requirements, the system produces information used to administer the local Vocational Education program.

The VERS employs on-line systems for data collection and verification. Most of the data collection is provided by the C.C.I.S.D. Student Information System. This is an on-line system used district wide. It provides for student enrollment, attendance information collection and reporting and student accounting such as grade reporting. Data for the Vocational Education Reporting System is collected by the Student Information System, VERS will make use of this information in order to reduce redundancy and improve data integrity. The VERS must integrate with the Student Information System and also provide a means for capturing any information unique to the vocational program.

Student data is stored in an network type, CODASYL standard data base until it is extracted for report production or archival type filing. The data base is accessible via a real time transaction processing system. The information that has been extracted for reporting or archival storage is no longer accessible on-line. Any changes to the data must be made via the on-line system.

The active reporting files are stored on disk, archival files used for storing information on students who complete or leave the program are stored on magnetic tape. These files are sequential files. Retrieval and extraction of the data from the data base as well as report production is done by batch programs.

SYSTEM OVERVIEW

Background

The Vocational Education program in the C.C.I.S.D. is an instructional program providing career and job skills for students. The program enrollment is 5,000 to 6,000 students on 18 campuses receiving instruction from 600 faculty. The program is funded by the federal government which monitors the program via the Texas Education Agency (T.E.A.).

C.C.I.S.D. must report to T.E.A. about the student participation in the program. The reports describe the Vocational Education Program by breaking the student population into subsets based on various demographic characteristics (sex, age, grade in school and ethnicity) as well as various grouping of the type of instructional program, handicaps and learning disabilities, type of instructional setting, length of time in the program and progress towards completion of the program.

These reports have previously been prepared by the teachers and administrators of the program without the aid of the Data Processing department. Paper forms were used for data collection which were then compiled by hand.

A less labor intensive and more accurate way to deal with the reporting task was essential in order that the faculty and staff be freed to concentrate more on the instructional goals and less on the reporting requirements.

The following is a list of benefits provided by the automated system for the Vocational Education Program.

1. Reduction of time and effort required to collect student data.
2. More timely and accurate inquiries into an individual student's status within the program.
3. Automatic production of the reports required by the Texas Education Agency.

Environment

This system was developed for the Corpus Christi Independent School District using hardware and software owned by the district. The computer system is installed at the C.C.I.S.D. offices at 801 Leopard Street, Corpus Christi, Texas.

The computer is a Honeywell DPS 8. This is a medium scale mainframe computer. It has four million bytes of main memory and three billion bytes of secondary storage. The operating system is Honeywell GCOS 8. The software that will be used includes the following:

1. COBOL (ANSI Standard with extensions)
2. DMIV A Honeywell data base management software package for implementing a CODASYL Standard network type data base
3. DMIV-TP A transaction processing system that enables on-line processing using COBOL programs and the data base.
4. TPFO (Transaction Processing Forms Originator)
A screen generator for use with DMIV-TP.

This system will be part of the larger Student Information System that is made up of an on-line portion for inquiries and updates and a batch system for periodic reports. The VERS will rely on existing student data already on file for general information about vocational students.

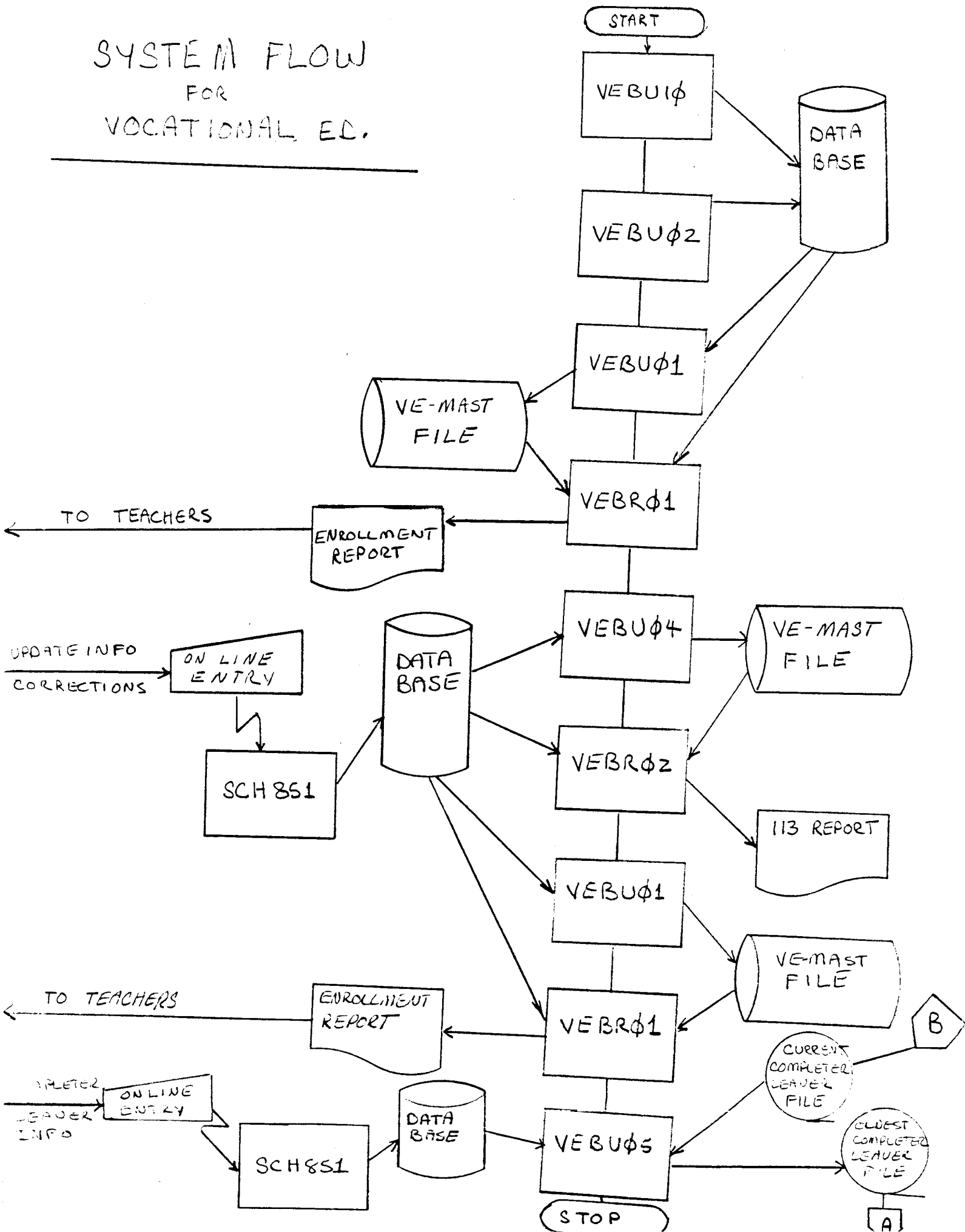
Overview

The scope of this project is limited to design and implementation of a software system to do the following:

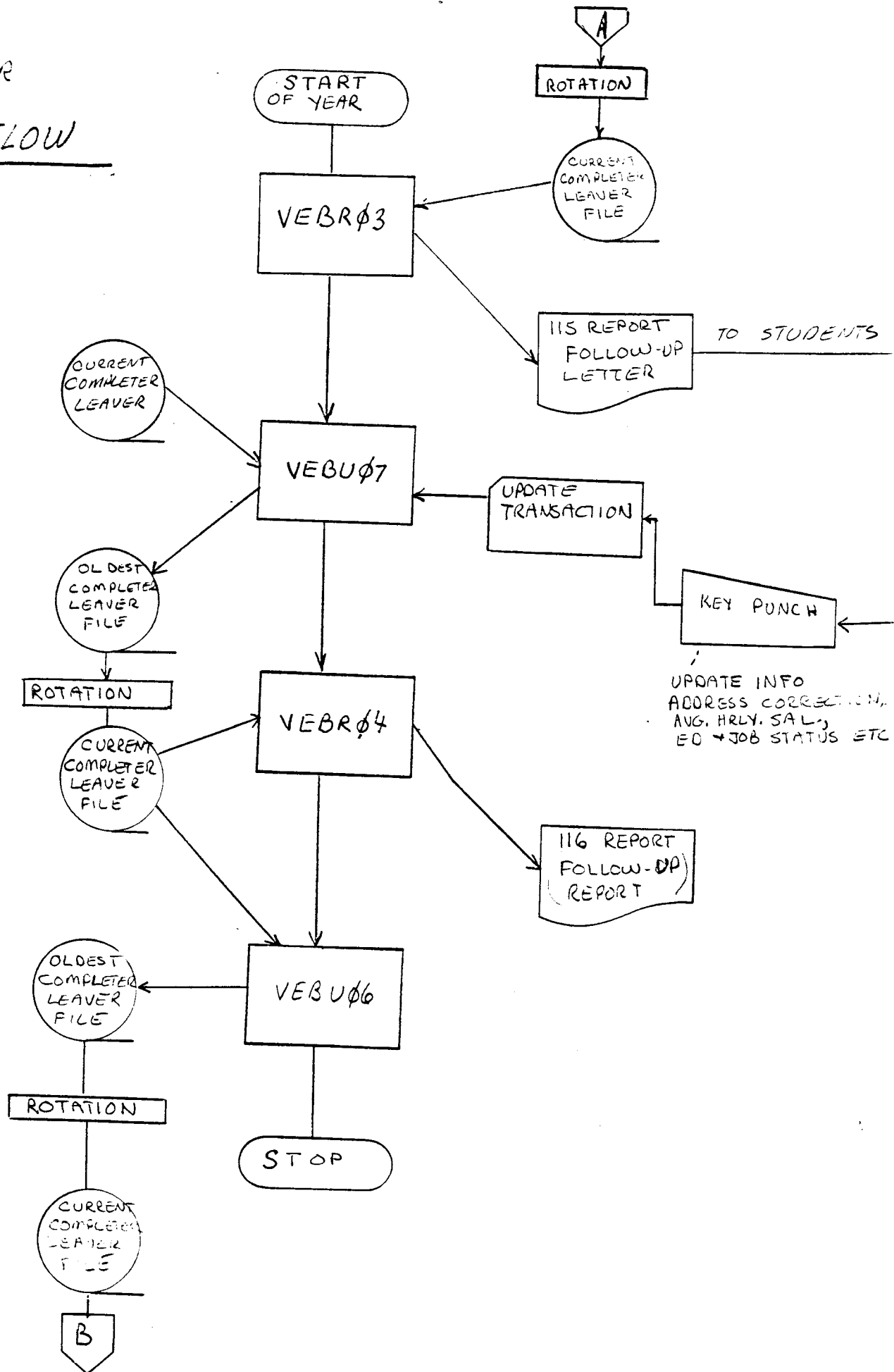
1. Produce an enrollment report for each vocational class for the collection of student data by the Corpus Christi Independent School District staff.
2. Edit and enter vocational education student data into the data base.
3. Produce the secondary program enrollment and completion report (VOC-113) for submission to the Texas Education Agency.
4. Produce the completer/leaver follow-up form (VOC-115). This is a questionnaire sent to students leaving the program.
5. Edit and enter the completer/leaver data to be stored in the data base.
6. Produce the secondary programs completer/leaver follow-up report (VOC-116).

SYSTEM FLOW CHART

SYSTEM FLOW FOR VOCATIONAL ED.



COMPLETER LEAVER SYSTEM FLOW



DETAILED SYSTEM DOCUMENTATION

DATA DESCRIPTION AND ORGANIZATION

The repository of student information at the Corpus Christi Independent School District is a centralized network type data base. This data base conforms to the CODASYL database standards.

Network data bases are made up of records which store attributes representing a data entity such as a pupil, a course or a school and sets which represent relationships between the records. For example a given teacher may teach many courses. Each teacher will be represented by an occurrence of a teacher record that contains attributes of the teacher; teacher number, teacher name etc. Each of the courses taught by a given teacher will be represented by a course record. The course record will contain information specific to the course; course number, course description, etc. The fact that a specific teacher teaches specific courses is represented by a set. The set might be named teacher-course set and would link logically the teacher and all of the courses taught. In this set relationship, the teacher record would be designated the owner while each of the course records would be a member of the set teacher-course. If other sets are described such as a school-teacher set then a teacher record, as well as being the owner of course records, might also be a member of a set. A record that is a member in a set may be an owner in another set and a record may be a member (or owner) in more than one set at the same time.

In this way complex relationships may be represented with a minimum of data redundancy in the stored data. We need not store the teacher number

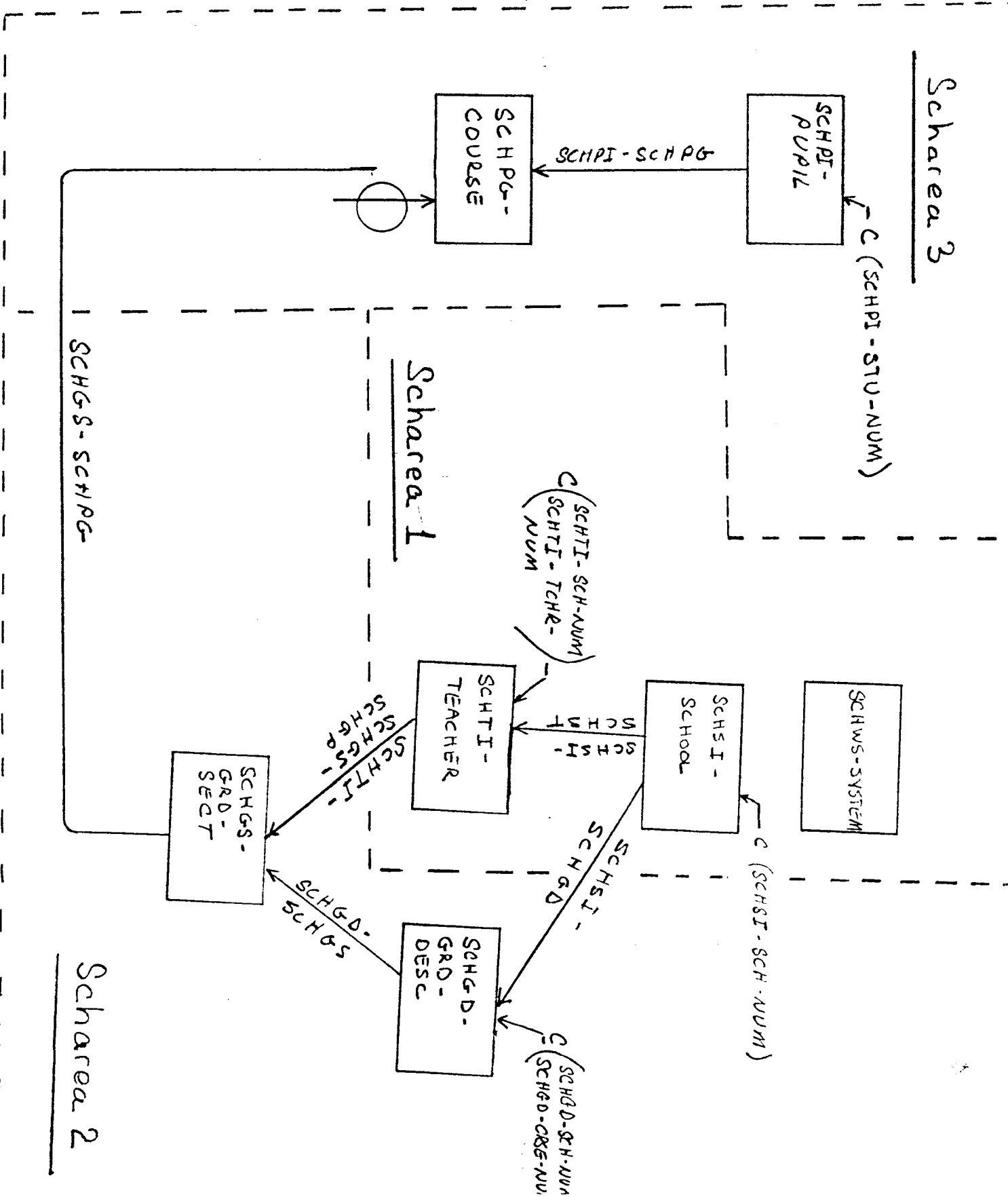
in each course record in order to identify the teacher, we only need to find it's owner in the teacher-course set.

The C.C.I.S.D. data base is constructed in such a fashion and a diagram is included that graphically depicts each record and each set.

In addition to the data base this system also uses a sequential file organization. All reports are produced by reading a sequential file either from tape or disk. The information stored in these sequential files originates in the data base and must be extracted by cobol programs. The reason this is done is that each record in the sequential file is made up of information from several data base records and considerable navigation through the sets of the data base from record to record is required in order to assemble this information. This navigation is a fairly time-consuming process in relative terms and it is more economical from a system standpoint to separate the extraction or retrieval process from the report production. This also makes the software more modular since the same extraction process is required for several different reports. This modularity has been proven to reduce maintenance difficulties and costs.

DATABASE SUBSCHEMA DIAGRAMS

Subset of the C.C.I.S.D. Metrobase Subschema - Vocational System



DESCRIPTION OF RECORDS AND FILES

SYSTEM RECORD

01	SCHWS-SYSTEM.	
05	SCHWS-NAME	PIC X(20).
05	SCHWS-YOG-TBL	PIC X(62).
05	SCHWS-NXT-YOG-TBL	PIC X(62).
05	SCHWS-ATD-PERM	PIC 9(1).
05	SCHWS-GRD-PERM	PIC 9(1).
05	SCHWS-ENR-PERM	PIC 9(1).
05	SCHWS-SCD-PERM	PIC 9(1).
05	SCHWS-ATD-MAP	PIC X(252).
05	SCHWS-BEG-DATE.	
	10 SCHWS-BEG-MM	PIC 99.
	10 SCHWS-BEG-DD	PIC 99.
	10 SCHWS-BEG-YY	PIC 99.
05	SCHWS-END-DATE.	
	10 SCHWS-END-MM	PIC 99.
	10 SCHWS-END-DD	PIC 99.
	10 SCHWS-END-YY	PIC 99.
05	SCHWS-BEG-NXT.	
	10 SCHWS-BEG-NXT-MM	PIC 99.
	10 SCHWS-BEG-NXT-DD	PIC 99.
	10 SCHWS-BEG-NXT-YY	PIC 99.
05	SCHWS-DOP.	
	10 SCHWS-DOP-6WK-1	PIC 99.
	10 SCHWS-DOP-6WK-2	PIC 99.
	10 SCHWS-DOP-6WK-3	PIC 99.
	10 SCHWS-DOP-6WK-4	PIC 99.
	10 SCHWS-DOP-6WK-5	PIC 99.
	10 SCHWS-DOP-6WK-6-PK-11	PIC 99.
	10 SCHWS-DOP-6WK-6-GR-12	PIC 99.
05	SCHWS-FILLER	PIC X(5).

SCHOOL RECORD

01 SCHSI-SCHOOL.

05 SCHSI-SCH-NUM	PIC X(4).
05 SCHSI-SCH-NAME	PIC X(20).
05 SCHSI-LONG-NAME	PIC X(35).
05 SCHSI-PHONE-NUM	PIC X(7).
05 SCHSI-LOCATION	PIC X(30).
05 SCHSI-ATD-PERM	PIC 9(1).
05 SCHSI-GRD-PERM	PIC 9(1).
05 SCHSI-ENR-PERM	PIC 9(1).
05 SCHSI-SCD-PERM	PIC 9(1).
05 SCHSI-GRD-TBL	PIC X(29).
05 SCHSI-CENSUS	PIC X(112).
05 SCHSI-MARK-PTR-TBL	PIC X(18).
05 SCHSI-MARK-TBL	PIC X(47).
05 SCHSI-ATD-LST-YR	PIC X(72).
05 SCHSI-ATD-CUR-YR	PIC X(72).
05 SCHSI-CHKDIGIT-OPT	PIC 9(1).
05 SCHSI-LIST-OPT	PIC 9(1).
05 SCHSI-SCD-STAT	PIC 9(1).
05 SCHSI-DEC-FILLER	PIC 9(1).

PUPIL RECORD

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01 SCHPI-PUPIL.
  05 SCHPI-STU-NUM          PIC X(07).
  05 SCHPI-NAME.
    10 SCHPI-NAME-LAST     PIC X(13).
    10 SCHPI-NAME-FIRST    PIC X(13).
    10 SCHPI-NAME-M-I      PIC X.
  05 SCHPI-SEX             PIC X(1).
  05 SCHPI-RACE            PIC X(1).
  05 SCHPI-YOG             PIC 9(2).
  05 SCHPI-HMRM            PIC X(4).
  05 SCHPI-ATT-ROOM-NO    PIC X(04).
  05 SCHPI-BIRTH-DATE.
    10 SCHPI-BIRTH-MM      PIC 9(2).
    10 SCHPI-BIRTH-DD      PIC 9(2).
    10 SCHPI-BIRTH-YY      PIC 9(2).
  05 SCHPI-ADDR-PTR        PIC X(7).
  05 SCHPI-FORMER-ADDRESS  PIC X(7).
  05 SCHPI-LUNCH-CD        PIC X(1).
  05 SCHPI-PARENT-NAME     PIC X(17).
  05 SCHPI-HOME-PHONE      PIC X(7).
  05 SCHPI-WORK-PHONE      PIC X(7).
  05 SCHPI-WORK-EXT        PIC X(4).
  05 SCHPI-EMERG-NAME      PIC X(17).
  05 SCHPI-EMERG-PHONE     PIC X(7).
  05 SCHPI-BUS-NUM         PIC X(3).
  05 SCHPI-RETENTION-CD    PIC X(1).
  05 SCHPI-CRSE-MAJOR      PIC X(2).
  05 SCHPI-FED-DEP         PIC X(1).
  05 SCHPI-HMRM-TCHR-NUM   PIC 9(4).
  05 SCHPI-GUID-CSLR-NUM   PIC 9(4).
  05 SCHPI-LOCKER-COMB     PIC X(8).
  05 SCHPI-LOCKER-NUM      PIC X(4).
  05 SCHPI-KINDERGARTEN-TYPE PIC X.
  05 SCHPI-OLD-STUDENT-ID  PIC X(5).
COMMENT" SPECIAL EDUCATION DATA"
  05 SCHPI-SPED-INSTR-SETTING PIC X(4).
  05 SCHPI-SPED-RELATED-SERVICE PIC X(2).
  05 SCHPI-DISABILITY-CD     PIC X(3).
  05 SCHPI-SPED-ACTIVE-CODE  PIC X(01).
COMMENT" HEALTH DATA"
  05 SCHPI-DIPTET-DATE.
    10 SCHPI-DIPTET-MM;PIC 9(02).
    10 SCHPI-DIPTET-DD      PIC 9(02).

    10 SCHPI-DIPTET-YY      PIC 9(02).
  05 SCHPI-POLIO-DATE.
    10 SCHPI-POLIO-MM      PIC 9(02).
    10 SCHPI-POLIO-DD      PIC 9(02).
    10 SCHPI-POLIO-YY      PIC 9(02).
  05 SCHPI-MEASLES-DATE.
    10 SCHPI-MEASLES-MM    PIC 9(02).
    10 SCHPI-MEASLES-DD    PIC 9(02).
    10 SCHPI-MEASLES-YY    PIC 9(02).

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05 SCHPI-RUBELLA-DATE.	
10 SCHPI-RUBELLA-MM	PIC 9(02).
10 SCHPI-RUBELLA-DD	PIC 9(02).
10 SCHPI-RUBELLA-YY	PIC 9(02).
05 SCHPI-MUMPS-DATE.	
10 SCHPI-MUMPS-MM	PIC 9(02).
10 SCHPI-MUMPS-DD	PIC 9(02).
10 SCHPI-MUMPS-YY	PIC 9(02).
05 SCHPI-IMM-EXEMPT-DIPTET	PIC X.
05 SCHPI-IMM-EXEMPT-POLIO	PIC X.
05 SCHPI-IMM-EXEMPT-MEASLES	PIC X.
05 SCHPI-IMM-EXEMPT-RUBELLA	PIC X.
05 SCHPI-IMM-EXEMPT-MUMPS	PIC X.
05 SCHPI-CHAPTER1-ELIGIBILITY	PIC X.
05 SCHPI-SPECIAL-HEALTH-CODE	PIC X(2).
COMMENT" VEDS DATA"	
05 SCHPI-CIP-CODE	PIC X(8).
05 SCHPI-CIP-CODE-2	PIC X(8).
05 SCHPI-VEDS-COMPLETER-CODE	PIC X.
05 SCHPI-VED-TYPE-SUPPORT	PIC X.
COMMENT" ATTENDANCE DATA"	
05 SCHPI-ATD-CD	PIC X(1).
05 SCHPI-SCH-CUR	PIC X(4).
05 SCHPI-SCH-ASGN	PIC X(4).
05 SCHPI-HMRM-ASGN	PIC X(4).
05 SCHPI-YOG-ASGN	PIC 9(2).
05 SCHPI-RESIDENCY-CD	PIC X(1).
05 SCHPI-STU-STAT	PIC 9(1).
COMMENT" SPECIAL PROGRAMS DATA"	
05 SCHPI-BILINGUAL-ESOL	PIC X(02).
05 SCHPI-TITLE1-COMP	PIC X(02).
05 SCHPI-SP-FILLER	PIC X(02).
COMMENT" GRADE REPORTING CREDITS DATA"	
05 SCHPI-CUR-WT-GP	PIC 9(4)V99.
05 SCHPI-CUR-UNWT-GP	PIC 9(4)V99.
05 SCHPI-CUR-ACAD-CR	PIC 9(3)V99.
05 SCHPI-CUR-GRAD-CR	PIC 9(3)V99.
05 SCHPI-CUM-WT-GP	PIC 9(5)V99.
05 SCHPI-CUM-ACAD-CR	PIC 9(4)V99.
05 SCHPI-CUM-GRAD-CR	PIC 9(4)V99.
COMMENT" SCHEDULING DATA"	
05 SCHPI-LOC-CD	PIC X(1).
05 SCHPI-TIME-CD	PIC X(1).
05 SCHPI-SEM	PIC X(3).

05 SCHPI-STUDY-HALL-CD	PIC 9(1).
05 SCHPI-FREE-TIME-CD	PIC 9(1).
05 SCHPI-FREE-TIME-FROM	PIC 9(2).
05 SCHPI-FREE-TIME-TO	PIC 9(2).
05 SCHPI-PRIORITY	PIC X(1).
05 SCHPI-TRACT	PIC X(1).
05 SCHPI-GROUP	PIC X(1).
05 SCHPI-SCD-STAT	PIC 9(1).
05 SCHPI-IMBALANCE	PIC 9(1).
05 SCHPI-NXT-STU	PIC X(10).
05 SCHPI-BIRTHPLACE	PIC X(20).
05 SCHPI-GRID	PIC X(3).

ATTENDANCE RECORD

01	SCHPA-ATD.	
05	SCHPA-STU-NUM	PIC X(07).
05	SCHPA-ENTRY-CD.	
10	SCHPA-ENTRY-CD-TYPE	PIC XX.
10	SCHPA-ENTRY-CD-NUM	PIC XX.
05	SCHPA-ENTRY-DATE.	
10	SCHPA-ENTRY-MM	PIC 9(2).
10	SCHPA-ENTRY-DD	PIC 9(2).
10	SCHPA-ENTRY-YY	PIC 9(2).
05	SCHPA-ATD-IMAGE	PIC X(150).
05	SCHPA-WITHDRAWL-CD.	
10	SCHPA-WITHDRAWL-CD-TYPE	PIC XX.
10	SCHPA-WITHDRAWL-CD-NUM	PIC XX.
05	SCHPA-WITHDRAWL-DATE.	
10	SCHPA-WITHDRAWL-MM	PIC 99.
10	SCHPA-WITHDRAWL-DD	PIC 99.
10	SCHPA-WITHDRAWL-YY	PIC 99.
05	SCHPA-HMRM	PIC X(4).
05	SCHPA-ATT-ROOM-NO	PIC X(4).
05	SCHPA-BUS-NUM	PIC X(3).

COURSE RECORD

01 SCHPG-COURSE.	
05 SCHPG-STU-NUM	PIC X(07).
05 SCHPG-CRSE-NUM	PIC X(9).
05 SCHPG-SECT-NUM	PIC 9(2).
05 SCHPG-SPCL-SEM	PIC X(3).
05 SCHPG-SPCL-GRAD-CD	PIC 9(1).
05 SCHPG-SPCL-GRAD-CR	PIC 9(2)V99.
05 SCHPG-NO-MARK-CD	PIC 9(1).
05 SCHPG-CONDUCT	PIC X(1).
05 SCHPG-FINAL-GRD	PIC X(2).
05 SCHPG-GRADES	PIC X(64).
05 SCHPG-FILLER	PIC X(6).

TEACHER RECORD

```
01 SHTI-TEACHER.  
  05 SHTI-SCH-NUM          PIC X(4).  
  05 SHTI-TCHR-NUM        PIC 9(4).  
  05 SHTI-TCHR-NAME       PIC X(15).  
  05 SHTI-HMRM            PIC X(4).  
  05 SHTI-ATT-ROOM-NO     PIC X(4).  
  05 SHTI-DEPT            PIC X(4).  
  05 SHTI-SS-NUM          PIC X(9).  
  05 SHTI-FILLER          PIC X(2).
```

COURSE DESCRIPTION RECORD

01	SCHGD-GRD-DESC.	
05	SCHGD-SCH-NUM	PIC X(4).
05	SCHGD-CRSE-NUM	PIC X(9).
05	SCHGD-CRSE-DESC	PIC X(15).
05	SCHGD-ACAD-CR	PIC 9(2)V99.
05	SCHGD-GRAD-CR	PIC 9(2)V99.
05	SCHGD-MARK-WEIGHT	PIC 9(2)V99.
05	SCHGD-FEE	PIC 9(2)V99.
05	SCHGD-MARK-TBL-PTR	PIC 9(1).
05	SCHGD-NO-MARK-CD	PIC 9(1).
05	SCHGD-FILLER	PIC X(6).

GRADE REPORTING SECTION RECORD

01	SCHGS-GRD-SECT.	
05	SCHGS-SCH-NUM	PIC X(4).
05	SCHGS-CRSE-NUM	PIC X(9).
05	SCHGS-BEG-PER	PIC X(2).
05	SCHGS-END-PER	PIC X(2).
05	SCHGS-SECT-NUM	PIC 9(2).
05	SCHGS-ROOM-NUM	PIC X(4).
05	SCHGS-DAYS-MET	PIC X(6).
05	SCHGS-SEM	PIC X(3).
05	SCHGS-SEATS-ASGN	PIC 9(4).
05	SCHGS-FILLER	PIC X(5).

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*****
*
*                               SEQUENTIAL FILE FORMATS
*
*****

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VE-MAST RECORD

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01 VE-MAST-REC.
  02 VE-MAST-SCHOOL-YR.
    03 VE-MAST-SCHOOL-YR1          PIC X(2).
    03 VE-MAST-SCHOOL-YR2          PIC X(2).
  02 VE-MAST-CAMPUS-NO             PIC X(4).
  02 VE-MAST-SEMESTER-NO           PIC X(1).
  02 VE-MAST-TEACHER-NUM          PIC X(4).
  02 VE-MAST-TYPE-CLASS            PIC X.
  02 VE-MAST-CLASS-TIME.
    03 VE-MAST-CLASS-BEG-PERIOD    PIC X(2).
    03 VE-MAST-CLASS-END-PERIOD    PIC X(2).
  02 VE-MAST-STUDENT-ID-NO         PIC X(7).
  02 VE-MAST-LOCAL-CRSE-NUM        PIC X(3).
  02 VE-MAST-CLASS-CIP-CODE        PIC X(8).
  02 VE-MAST-GRADE-LEVEL           PIC X(2).
  02 VE-MAST-AGE                   PIC X(2).
  02 VE-MAST-SEX                   PIC X(1).
  02 VE-MAST-ETHNIC                 PIC X(1).
  02 VE-MAST-SPECIAL-NEEDS.
    03 VE-MAST-HANDICAPPED          PIC X(1).
    03 VE-MAST-DISADVANTAGED        PIC X(1).
    03 VE-MAST-LIMITED-ENGLISH      PIC X(1).
  02 VE-MAST-TERMINATION-CODE       PIC X(1).
  02 VE-MAST-TYPE-SUPPORT           PIC X.
  02 VE-MAST-EMPL-ED-STATUS         PIC X(1).
  02 VE-MAST-AVG-HRLY-SALARY        PIC 9(3)V99.
  02 VE-MAST-STU-NAME.
    03 VE-MAST-STU-NAME-LAST        PIC X(13).
    03 VE-MAST-STU-NAME-FIRST       PIC X(13).
    03 VE-MAST-STU-NAME-M-I         PIC X.
  02 VE-MAST-STU-ADDR.
    03 VE-MAST-STU-ADDR-STREET      PIC X(25).
    03 VE-MAST-STU-ADDR-CITY        PIC X(20).
    03 VE-MAST-STU-ADDR-STATE       PIC XX.
    03 VE-MAST-STU-ADDR-ZIP         PIC X(9).

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COMPLETER TRANSACTION FILE

```
01 TRANSACTION-REC.
  02 T-SCHOOL-YEAR PIC X(4).
  02 T-STU-NUM PIC X(7).
  02 T-STU-ADDR.
    03 T-STU-ADDR-STREET PIC X(25)
    03 T-STU-ADDR-CITY PIC X(20).
    03 T-STU-ADDR-STATE PIC XX.
    03 T-STU-ADDR-ZIP PIC X(9).
  02 T-EMPL-ED-STATUS PIC X.
  02 T-AVG-SALARY-A.
    03 T-AVG-SALARY-N PIC 999V99.
  02 FILLER PIC XXX.
  02 T-RECORD-NUMBER-A.
    03 T-RECORD-NUMBER PIC 9(4).
```

DATA DICTIONARY

DATA DICTIONARY

Data base records. Record names are underlined

schws-system

schws-name char 20

system identifier. initialized to school-system.

schws-yog-tbl char 62

table containing valid year-of-graduation-system wide.

schws-nxt-yog-tbl char 62

table containing valid year of graduation for upcoming school year, used for promotions and retentions.

schws-atd-perm dec 1

optional field to indicate tp attendance permissions. default is 1. valid codes are.

1 - all processing valid.

2 - only inquiries allowed.

3 - no processing allowed.

schws-grd-perm dec 1

optional field to indicate tp grade reporting permissions. default is 1. valid values are:

- 1 - all processing valid.
- 2 - only inquiries allowed.
- 3 - no processing allowed.

schws-enr-perm dec 1

optional field to indicate tp enrollment permissions. default is 1. valid values are:

- 1 - all processing valid.
- 2 - only inquiries allowed.
- 3 - no processing allowed.

schws-scd-perm dec 1

optional field to indicate tp scheduling permissions. default is 1. valid values are:

- 1 - all processing valid.
- 2 - only inquiries allowed.
- 3 - no processing allowed.

schws-atd-map char 240

field required for attendance sub-system: contains the formats for all session and non-session days for the entire school year. the initial values must be set at the beginning of the school year.

schws-beg-date dec 6

field required for attendance sub-system: contains the school beginning date, and must be initialized at the beginning of the school year. format: mmddy.

schsi-scd-stat dec 1.

system maintained field: determines the current scheduling status of the school.

valid values are:

0 - no schsh record, no scheduling possible.

1 - schsh record exists, editing needed
(status after course updates).

2 - section data edited
(status after election update).

3 - student data edited(ready to schedule).

4 - scheduling has run.

9 - this is a test school - no production.

schpi-pupil

schpi-stu-num char 7

required field: created whenever a student is added by batch or tp. contains unique number assigned to individual student. field is right justified.

first two characters indicate the first year of enrollment. last five are sequential

schpi-name char 27

required field: completed when a new student is added.
contains: (1) student's last name (13 positions)
 (2) student's first name (13 positions)
 (3) student's middle initial (1 position)

schpi-sex char 1

required field: set when a new student is added.
contains student's sex code.
acceptable sex codes are as follows:
f = female
m = male

schpi-race char 1

required field: set when a new student is added.
contains student's race code.
acceptable race codes are as follows:
a = american indian
b = black
h = hispanic
p = pacific islander
w = white

schpi-yog dec 2

required field: contains student's year of graduation,
which is calculated from input of student's grade.

schpi-hmrm char 4

required field: contains student's homeroom number.

schpi-birth-date dec 6

required field: contains student's date of birth
in the following form mm-dd-yy

schpi-addr-ptr char 7

required field: address control number, used as pointer
to address master file to indicate complete address.

schpi-lunch-cd char 1

optional field: initialized as space, contains code
indicating lunch qualification of student.

valid lunch codes follow

blank = non-participant in the lunch program

1 = free lunch

2 = partial paid lunch

3 = user defined

4 = user defined

5 = user defined

schpi-parent-name char 17

required field: contains name of student's parent or
guardian. free format.

schpi-home-phone char 7

optional field: initialized as space, contains student's home telephone number.

schpi-work-phone char 7

optional field: initialized as space, contains work telephone number for student's parent or guardian.

schpi-work-ext char 4

optional field: initialized as space, contains extension number of work telephone number for student's parent or guardian.

schpi-emerg-name char 17

optional field: initialized as space, contains name of person to contact in case of an emergency concerning student. free format.

schpi-emerg-phone char 7

optional field: initialized as space, contains telephone number for student's emergency contact.

schpi-bus-num char 3

optional field: initialized as space, contains student's bus number if transported at public expense. used for year-end processing of state reports.

schpi-retention-cd char 1

optional field: initialized as space, contains code of "r" when indicating student was retained last year in his current grade. used for year-end processing of state reports and to indicate retained student.

schpi-crse-major char 2

optional field: initialized as space, contains code indicating academic field in which the student is majoring. value is user defined.

schpi-fed-dep char 1

optional field: initialized as space, or contains code of "1" indicating student is a dependant of a federally employed personnel.

schpi-hmrm-tchr-num dec 4

optional field: initialized as zero, contains homeroom-teacher's number based on homeroom number assignment and school's teacher master file.

schpi-guid-cslr-num dec 4

optional field: initialized as zero, contains number of guidance counselor. this number must match a number on the school's teacher master file.

schpi-locker-comb char 8

optional field: initialized as space, contains student's locker combination.

schpi-locker-num char 4

optional field: initialized as space, contains number of locker assigned to the student.

schpi-kindergarten-type char 1

optional field: initialized as space, contains kindergarten type.

f = full day

h = half day

schpi-old-student-id char 5

optional field: initialized as space, contains student id from former student numbering system.

schpi-sped-instr-setting char 4

optional field: initialized as space, contains the type of instructional setting.

schpi-disability-cd char 3

optional field. initialized as spaces. indicates the specific disability of the student. Used to preload the support type in the vocational system.

schpi-cip-code char 8 optional field: initialized as space
 indicates participation in the vocational program.
 if not spaces indicates the classification of instructional
 program - synonymous with course number.

schpi-veds-completer-code char 1 optional field: initialized as space
 indicates status in vocational program.
 space = continuing
 c = completed
 l = left

schpi-ved-type-support char 1 optional field: initialized as "1"
 indicates the instructional support setting for vocational
 program participants
 "1" = mainstream/ no support
 "2" = mainstream/ support
 "3" = separate

schpi-disability-cd char 2
 optional field: initialized as space, contains code
 indicating any medical/physical disabilities of
 student. value is user defined.

schpi-atd-cd char 1
 optional field: initialized as space, contains
 attendance code of "1" indicating student is not
 qualified to be included in attendance reporting due to
 pre-school age.

schpi-sch-cur char 4

required field: contains number of school student is currently enrolled in. for valid school number refer to schsi-num.

schpi-sch-asgn char 4

field required only at end of school year: contains number of school student is to be assigned/ transferred to. for valid school number refer to schsi-num.

schpi-hmrm-asgn char 4

optional field: initialized as space, contains student's homeroom number in school assigned (schpi-sch-asgn).

schpi-yog-asgn dec 2

optional field: initialized as zero, contains student's year-of-graduation for his school assigned. this field is calculated from input of student's grade.

schpi-residency-cd char 1

optional field: initialized as space, contains code of "r" indicating student is attending school out-of-zone with permission.