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Arab Republic of Egypt, Ministry of Social Insurance

**Automated Egyptian Social
Insurance System
(AESIS)**

**Law 79 Coverage (Public Sector)
Detailed System Design**

October 1984

**International Business Services, Inc.
GENASYS Corporation**

COVERAGE SUBSYSTEM
LAW 79 PUBLIC SECTOR
DETAIL DESIGN DOCUMENT
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**LAW 79 COVERAGE SUBSYSTEM
PUBLIC SECTOR**

The Law 79 Coverage Subsystem (Public Sector) establishes initial enrollment and eligibility for coverage of salaried workers as defined under Law 79 for the Public Sector. The individual's eligibility for coverage is determined for each type of insurance he is qualified for and the monthly contribution amount is calculated. Any activity which establishes or changes contribution amounts or payment responsibility will be reflected on The Billing Data Base. This provides The Accounting System with a source of information for the monthly invoice cycle.

A salaried worker will go through the following steps during his period of social insurance coverage under law 79:

A. Enrollment

When a salaried worker applies for coverage under law 79, his coverage application data (form 1) is checked against Law 79 Public Sector eligibility criteria. If he is eligible for coverage under the law, after the initial data entry edit checks, his transaction is reviewed by an auditor. Upon approval by the auditor, he is added to the Law 79 Public Sector Coverage Database. At the same time contributions and payment responsibility are determined and posted to the Billing Database.

B. Changes

After the salaried worker has been enrolled, he may at any time request a change to his coverage status. Upon receipt, his application change (form 173) is processed by the data entry clerk and passed on to the auditor. After the auditors approval, the Coverage and Billing Databases will be updated to reflect the changes.

Some of the changes that an individual can request are:

- salary increases
- taking leave without pay
- requesting leave for a fellowship.

Although these changes are common, an individual has to submit a change application form, since the change to his coverage status affects his contribution calculations and payment responsibility.

C. Termination

Upon an individual's retirement, death or transfer to another social insurance law, his coverage under Law 79 Public Sector is terminated. A termination form (form 6) must be submitted to accomplish the termination.

Each month the covered individuals continuing eligibility is assessed. Notifications of qualification for

voluntary termination (e.g. early retirement) and/or mandatory termination (e.g. attaining retirement age with adequate coverage) will be issued.

One of the techniques used in this subsystem to protect the integrity of the database, and to guard against system abuse, is to require more than one person to be involved in all significant database update activity. The following is a list of the identified "users" of this Coverage Subsystem:

- Data Entry Clerk - responsible for accurate data entry and edit of coverage applications. All initial transactions must be entered into the subsystem by the Data Entry Clerk
- Auditor - responsible for the manual and automated verification of the integrity of the application data. Only the Auditor is allowed to cause the Coverage Database to be updated.
- Inspector - may be assigned by the Auditor to collect information for the verification of the integrity of the application data. The inspectors findings must be returned to the auditor for resolution.

Major functions of the subsystem include:

- Check eligibility for the applicant
- Calculate the contribution amount for the covered individual
- Update the INDIVIDUAL, COVERAGE and BILLING databases with initial and changed data for covered individuals
- Terminate coverage and summarize the period covered
- Notify employees and employers of change in coverage status or salary
- Purchase prior uncovered periods
- Upgrade prior covered periods

The following tables and schedules are to be used to validate transactions, determine eligibility, calculate contributions and assign payment responsibility. The items included are:

- Period Status Code Table for
 Law 79 Public Sector
- Coverage (Eligibility) Schedule for
 Law 79 Public Sector
- Contribution (Calculation) Schedule for
 Law 79 Public Sector
- Payment Responsibility Schedule for
 Law 79 Public Sector

PERIOD STATUS CODE TABLE

LAW 79 PUBLIC SECTOR

VALID CODES AND COMBINATIONS:

JOB CATEGORY CODES: 1,5,6,7

VALID PERIOD STATUS CODES FOR:

**JOB CATEGORY 1: 10,21,22,25,26,31-36,41-45,51-54,
61-66,71-79,81,82,91,92,94-96**

JOB CATEGORY 5: 10,21,25,26,51-54,92,94

JOB CATEGORY 6: 10,21,25,26,51-54,92,94

JOB CATEGORY 7: 10

PERIOD STATUS CODES ELIGIBLE FOR:

OLD AGE DISABILITY AND DEATH, BONUS, UNEMPLOYMENT:

10,31-36,53,54,61-66,71-77

HEALTH: 10,31-36,61,63,65,72,74,76,77,81

WORK INJURY: 10,31-36,53,54,61-66,71,72,81,82

COVERAGE SCHEDULE FOR LAW 79

PUBLIC SECTOR SALARIED EMPLOYEES

APPLICANT AGE IS	APPLICABLE TYPES OF COVERAGE			
	OLD AGE, DEATH & DISABILITY; BONUS (2)	HEALTH (HIO) (2)	WORK INJURY (2)	UNEMPLOYMENT
Greater than or equal to 12 and less than 18	No	No	Yes	No
Equal to or greater than 18 and less than retirement age	Yes	Yes (1)	Yes	Yes
Equal to or greater than retirement age and applicant has more than 9 years of coverage	No	Yes (1)	Yes	No
Equal to or greater than retirement age and applicant has no more than 9 years of coverage	Yes	Yes (1)	Yes	No

1. Coverage is dependent upon employer's Health Insurance Status
2. The period Status Code Table (Public Sector) indicates the Codes applicable to an eligible individual

COVERAGE LAW 79 PUBLIC SECTOR CONTRIBUTION CALCULATION TABLE

Type of Insurance	Insured Contribution		Treasury Contribution		Employer Contribution	
	Basic Salary	Incentive	Basic Salary	Incentive	Basic Salary	Incentive
Old Age, Disability and Death	10%	10%	1%	1%	15% *3	15% *3
Labor Injury	0%	0%	0%	0%	2% *1, 4, 6	2% *1, 4, 6
Health	1% *5	1% *5	0%	0%	3% *2, 5	3% *2, 5
Unemployment	0%	0%	0%	0%	2%	2%
Bonus	3%	0%	0%	0%	2%	0%

*Refer to specified footnotes

FOOTNOTES

1. Labor Injury contribution percentage is dependent on the coverage status of the employer.
The following are the status codes and equivalent percentages
 - 0 - employer is not covered for labor injury N/A
 - 1 - employer is fully self insured N/A
 - 2 - employer is fully insured by PIO 1%
 - 3 - employer provides medical compensation .5%
 - 4 - employer provides wage compensation 1%
 - 5 - employer provides medical and wage comp. .5%

2. Health Insurance contribution percentage is dependent on the coverage status of the employer. The following are the status codes and equivalent percentages:
 - 0 - employer is not covered for Health Insurance 0%
 - 1 - employer is fully self insured 0%
 - 2 - employer is fully insured by SIG/PIO 3%
 - 3 - employer provides wage compensation only 3%
 - 4 - employer provides medical compensation only N/A

3. Increment the employers percentage of contribution on both basic salary and Incentives for the following applicant labor categories:
 - category 5 - heavy labor 12%
 - category 6 - hazardous duty 16%

4. There is no labor injury contribution for period status codes:
51, 52, 73-79.

5. There is no Health Insurance Contribution for period status codes:
51-54, 62, 64, 71, 73, 75, 78, 79, 82.

6. Labor Injury Contribution is .5% for period status codes:
62, 64, 66, 71, 82.

COVERAGE LAW 79 PUBLIC SECTOR PAYMENT RESPONSIBILITY SCHEDULE

	EMPLOYEE CONTRIBUTION	EMPLOYER CONTRIBUTION	TREASURY CONTRIBUTION	EMPLOYEE PAYMENT
NORMAL CASES; PERIOD STATUS CODES: 10, 31-36, 53, 54, 61, 62, 65, 77	EMPLOYER	EMPLOYER	TREASURY	EMPLOYER *1
EXCEPTION CASES; PERIOD STATUS CODES: 73 VACATION FOR STUDY ABROAD 74 VACATION FOR STUDY IN COUNTRY	EMPLOYEE	EMPLOYER	TREASURY	EMPLOYEE
63 ON LOAN INTERNAL 64 ON LOAN ABROAD 71 VAC. FOR WORK ABROAD 72 VAC. FOR WORK INTERNAL 75 VAC. NOT WORK ABROAD 76 VAC. NOT WORK INTERNAL	EMPLOYEE	EMPLOYEE		EMPLOYEE

* 1) For period status codes 77, 78 the employee is responsible for installment or loan payments.

SUBSYSTEM STRUCTURE CHART

The Subsystem Structure Chart following this section depicts the software components comprising this subsystem and the hierarchy and relationships among the various subsystem components. The two main subsystem functions are Data Entry Processing and Auditor Processing. Other functions include Data Base Inquiry, Report Processing, Inspector Processing, and Batch Processing.

DATA ENTRY PROCESSING

Data Entry Processing consists of the following programs:

ECCP010 - Coverage Application Data Entry

This program validates screen data derived from Form 1, Coverage Application, checks applicant eligibility, and generates Coverage Transaction Data Base segments which will be used during Auditor Processing functions.

ECCP020 - Coverage Change Data Entry

The Coverage Change Data Entry Program displays current coverage data to the data entry operator, validates modified data entered from Form 173, Coverage Application Change, verifies coverage, and generates Coverage Transaction Data Base segments for use by the Auditor during the Auditor Processing functions.

ECCP030 - Coverage Termination Data Entry

This program displays current coverage data to the data entry operator, validates termination reason and date information as entered by the data entry operator from Form 6, Coverage Termination Form, and generates Coverage Transaction Data Base segments for utilization within the Auditor Processing function.

ECCP040 - Purchase Periods Data Entry

The Purchase Periods Data Entry Program will validate screen entered purchase data derived from the Purchase Period Application, check applicants' purchase eligibility, identify uncovered periods eligible for purchase, establish loan eligibility, and generate Coverage Transaction Data Base segments for use in Auditor Processing.

ECCP050 - Upgrade Periods Data Entry

This program validates Coverage Upgrade Application Form data entered by the data entry operator, verifies the applicants' eligibility, identifies coverage periods eligible for upgrade, determines applicant loan eligibility, and generates Coverage Transaction Data Base segments to be used during Auditor Processing.

AUDITOR PROCESSING

The Auditor Processing function of this subsystem is comprised of the following programs:

ECCP100 - Auditor Processing Driver

The Auditor Processing Driver Program displays a transaction selection screen to the Auditor, accepts and validates the entered transaction identifier, retrieves the appropriate Coverage Transaction Data Base segment, determines the proper Auditor Processing module (ECCP110 through ECCP150) to audit the transaction, and transfers control to the selected module.

ECCP110 - Audit Coverage Application

The Audit Coverage Application Program will display Coverage Application data retrieved from the Coverage Transaction Data Base to the Auditor with the options to accept, reject, or modify transactions, place transactions in hold status, or initiate transaction inspections. If the Auditor modifies a transaction, data validation and eligibility checks are made on the modified transaction. Whenever the Auditor approves a transaction, contribution data will be calculated and the appropriate Individual, Coverage, and Billing Data Base segments will be updated. Regardless of the transaction disposition selected by the Auditor, the program will generate a new version of the Coverage Transaction Data Base segment reflecting its new post-audit status and any modified data.

ECCP120 - Audit Coverage Change

This program retrieves Coverage Change Form data stored on the Coverage Transaction Data Base and displays it to the Auditor. Following his/her review of the screen data, the Auditor may accept, reject, or modify the transaction, or place it on hold or inspection status. If the screen data is modified, by the Auditor, the transaction is re-edited and eligibility is re-verified. If the Auditor approves the transaction, contributions are calculated as indicated on the appropriate Coverage Schedule and pertinent Individual, Coverage, and Billing Data Base segments are updated. Any of the above Audit dispositions cause a new version of the Change Transaction reflecting post-Audit status to be written to the Coverage Transaction Data Base.

ECCP130 - Audit Coverage Termination

The Audit Coverage Termination Program will load the Auditor's screen with data extracted from the Coverage Transaction Data Base segment, display the Termination data to the Auditor, and permit the Auditor to approve, reject, or modify

the transaction, place it in hold status, or route the transaction to the inspection function. The program will re-edit all data and re-verify coverage if the Auditor modifies the transaction. A post-Audit version of all transactions will be written to the Coverage Transaction Data Base. If the Auditor approves the transaction, the program will apply all appropriate updates to the Individual, Coverage, and Billing Data Bases.

ECCP140 - Audit Purchase Periods

This program will display the latest version of the selected Purchase Periods transaction on the Auditor's screen, enable the Auditor to approve, reject, or modify the transaction, or place the transaction on hold or inspection status. If the Auditor modifies the transaction, the program will edit the transaction, check the applicant's purchase eligibility, identify periods eligible for purchase, and determine applicant loan eligibility. If the Auditor approves the transaction, the program will apply all appropriate updates to the Coverage, Individual, and Billing Data Bases. New versions of all transactions will be generated to indicate their after Audit status.

ECCP150 - Audit Upgrade Periods

The Audit Upgrade Periods Program will display the selected transaction on the Auditor's screen, provide transaction approval, modification, rejection, hold, and inspection capabilities. Whenever the Auditor selects the modify option, the program will re-edit the transaction data, re-evaluate periods eligible for upgrade, and verify applicant loan eligibility. If the Auditor approves the transaction, the program will apply all pertinent updates to the Individual, Coverage and Billing Data Bases. All Audit dispositions will cause a new version of the Coverage Transaction Data Base segment to be written.

INSPECTOR PROCESSING

The subsystem Inspector Processing function is provided by the following programs:

ECCP210 - Inspection Assignment

This program provides the capability of assigning an inspector and entering an assignment date for a Coverage Transaction Data Base segment which has been flagged for Inspection by the Auditor. The program accepts a transaction identifier, retrieves the appropriate transaction, displays it on the screen, and accepts Inspector SIN and assignment date. The program then writes the new version of the transaction to the Coverage Transaction Data Base.

ECCP220 - Inspection Results

The Inspection Results Program provides for the entry of the results of an inspection for transactions previously assigned to an inspection status. The program accepts a transaction identifier from the screen, retrieves the corresponding segment from the Coverage Transaction Data Base, displays the transaction, and accepts a new, "inspection complete" status code. Once the screen data is verified, a new version of the transaction is written to the Coverage Transaction Data Base.

DATA BASE INQUIRY

This subsystem provides Employer and Employee data inquiry facilities through the following two programs:

ECCP310 - Inquiry by SIN

The Inquiry by SIN Program provides a screen display of Individual Data Base information. The program accepts the required SIN from the screen, retrieves the appropriate Individual Data Base segment, and displays it to the screen.

ECCP320 - Inquiry by BIN

The Inquiry by BIN Program provides a screen display of Employer Data Base information. The program accepts employer selection data from the screen, retrieves the pertinent Employer Data Base segments, and displays the data on the screen.

BATCH PROCESSING

The capability to process batch transactions received from local offices is provided by the following programs:

ECCP410 - Batch Transaction Processing

The Batch Transaction Processing Program receives transactions from the local offices, accesses the Control Data Base to obtain transaction identifiers, assigns the transaction identifiers to each transactions, formats the incoming transactions into Coverage Transaction Data Base format, and writes the transactions to the Coverage Transaction Data Base with a "ready for audit" transaction status code.

ECCP420 - Archive Coverage Transactions

This program scans the Coverage Transaction Data Base for completed batch transactions, transfers these transactions to history files and deletes the transactions from the Coverage Transaction Data Base.

REPORT GENERATION

Multiple report generation facilities are provided within this subsystem as follows:

ECCP510 - Eligibility Report

The Eligibility Report Program accepts a date or range of dates from the screen corresponding to the required report period. Once the dates are verified, this program will initiate a batch job which will search the Coverage Transaction Data Base for transactions with "approved" status codes and coverage dates within the requested report date range. Each applicable record will be used to format a hardcopy report entry.

ECCP520 - Termination Report

This program provides a hardcopy report of coverage terminations within a user specified time period. The program accepts a report date or range of dates from the screen, verifies the dates, and initiates a batch job which searches the Coverage Transaction Data Base for transactions containing status codes indicating termination and termination dates within the report date range requested by the user.

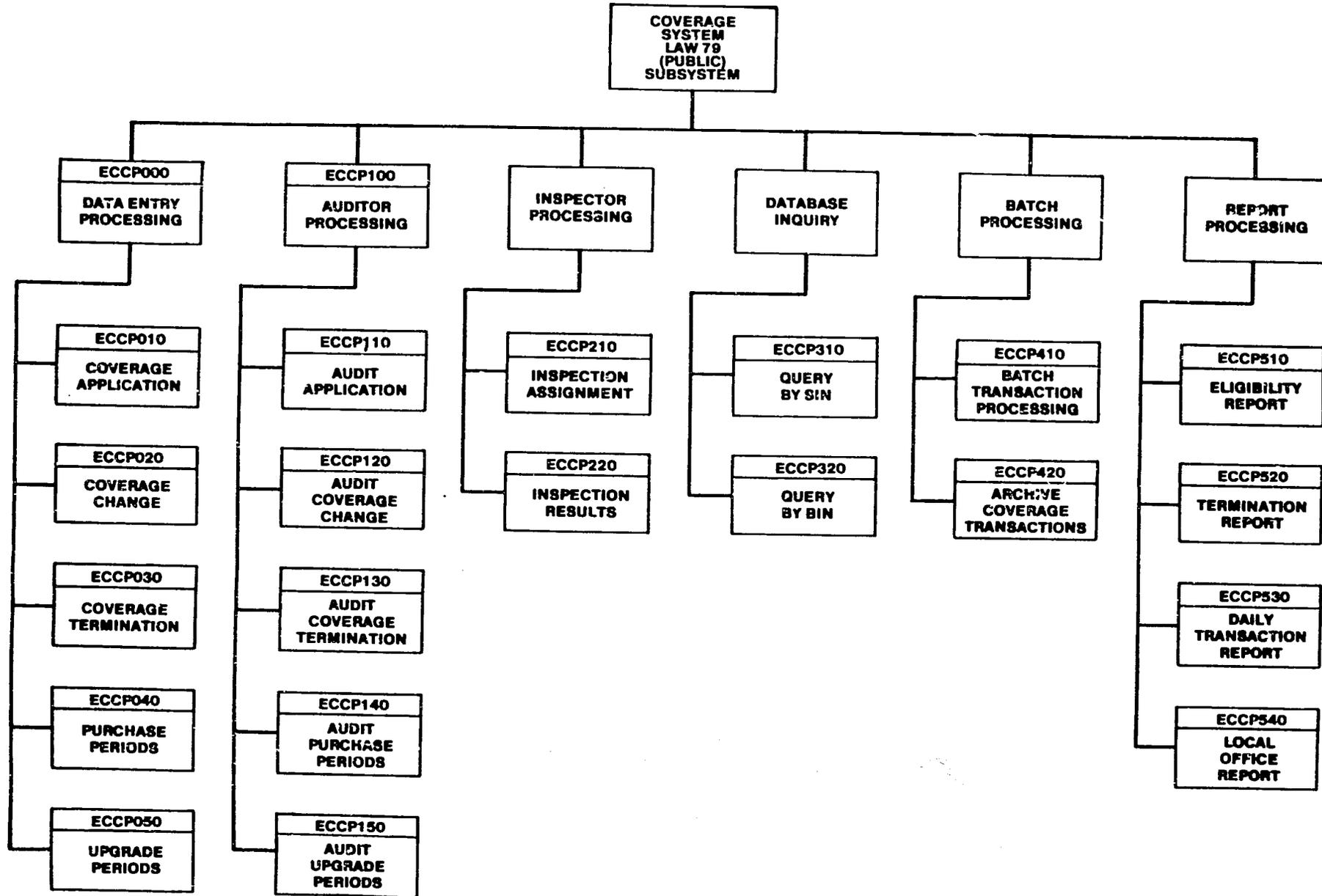
ECCP530 - Daily Transaction Report

The Daily Transaction Report Program provides a hardcopy report of all activity occurring within a user specified time period. The program accepts a report date or date range, edits the screen input date(s), and initiates a batch job which will extract all applicable records from the Coverage Transaction Data Base and format them into the Daily Transaction Report.

ECCP540 - Local Office Report

The Local Office Report Program accepts a user required report date or range of dates, edits the date(s), and spawns a batch job which will generate a hardcopy report of daily activity generated by each local office.

LAW 79 (PUBLIC) COVERAGE SUBSYSTEM STRUCTURE CHART



SUBSYSTEM FLOW DIAGRAM

The Subsystem Flow Diagram following this section depicts the progression of subsystem data from input forms through final Data Base Update. In general, input forms are manually verified, entered via formatted screens and transferred to the Coverage Transaction Data Base within the subsystem Data Entry Processing function. The Auditor Processing function then reads the Coverage Transaction Data Base, verifies the transactions and applies the appropriate updates to the AESIS data bases for all approved transactions.

The Data Entry Processing function validates all entered data, provides supporting descriptive data for codes entered by the data entry operator, performs eligibility or coverage verification tasks, and creates transaction data base segments for use by later activities.

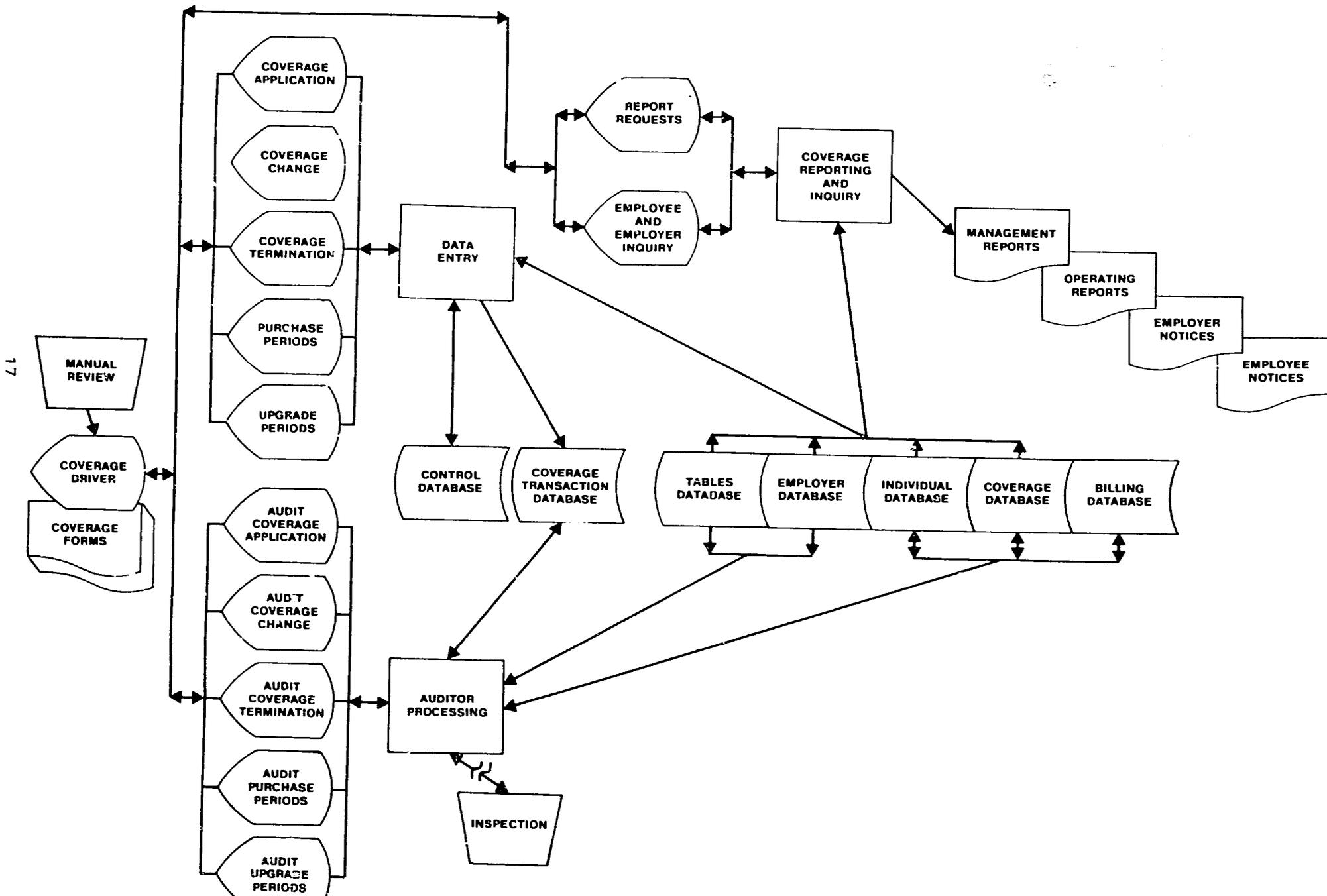
The Auditor Processing function reviews the data entered by the data entry operators. The Auditors receive this data by means of the Coverage Transaction Data Base segments created during Data Entry Processing activities. During their reviews, the Auditors may approve, reject or modify transactions, or may choose to put transactions on a hold status or direct a transaction to an inspector for more comprehensive review. If the Auditor elects to modify a transaction, the Auditor Processing function programs will re-edit the transaction and will repeat all coverage eligibility or coverage verification checks. Once a transaction has been approved by an Auditor, the Auditor Processing function programs will perform all required calculations and will process updates to the Individual, Coverage and Billing Data Bases, and will generate a final version of the transactions which indicate that the data bases have been updated and that the transactions are available for archiving to history files.

The Inspector Processing function is an adjunct to Auditor Processing which allows the removal of a transaction from the main subsystem flow for a period of time to permit a comprehensive review of the transaction or to await additional or supporting information.

The Data Base Inquiry function provides the user with screen displays of requested Employee and Employer data from the AESIS Data Bases.

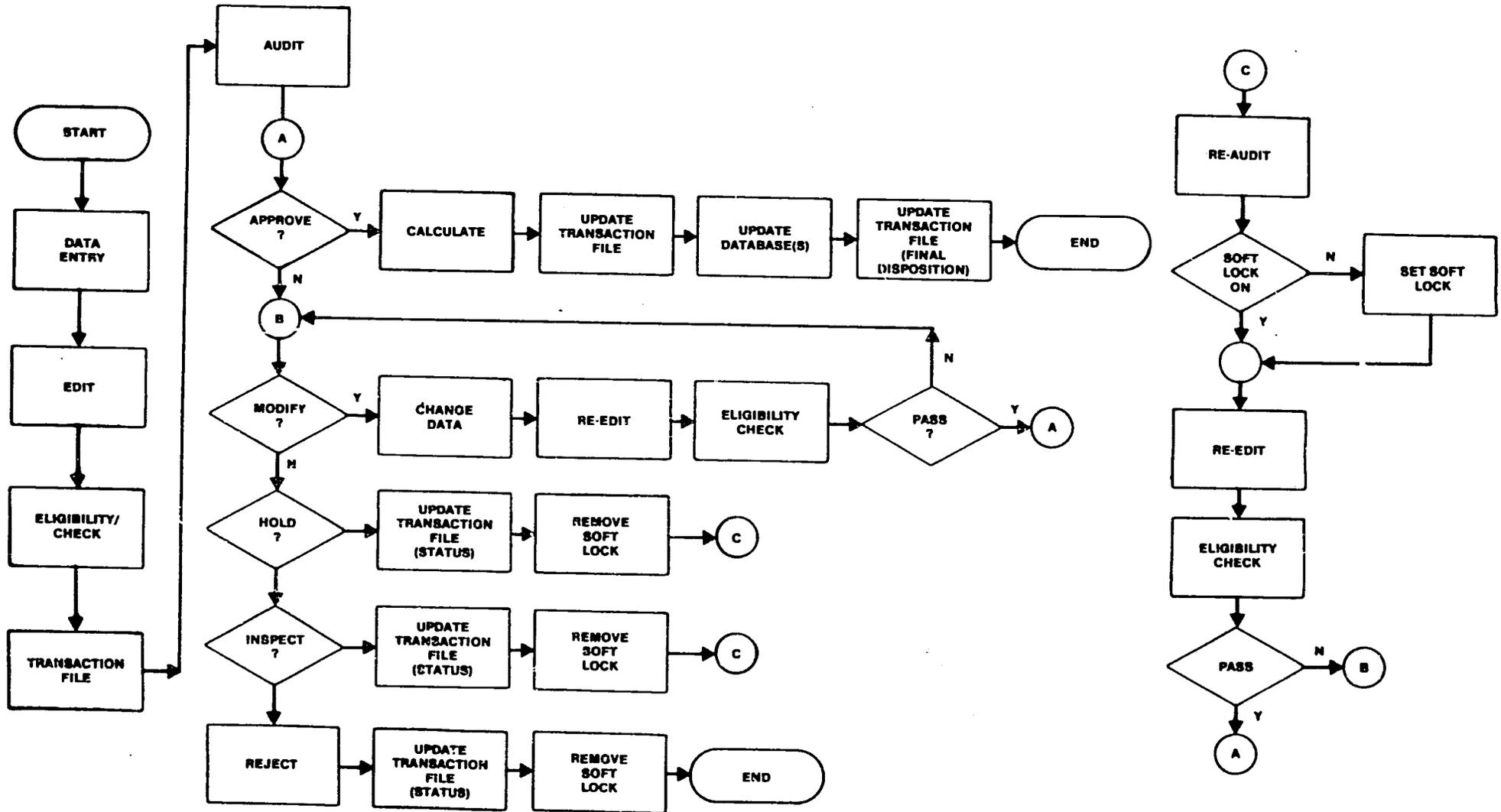
The Report Generation function provides the user with the capability to request and generate various hardcopy reports covering user selected time periods.

COVERAGE SUBSYSTEM FLOW



LAW 79 (PUBLIC) COVERAGE SUBSYSTEM LOGICAL FLOW

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PROGRAM DESCRIPTION FORM

System: Coverage Date f.c.: 29 July 1984
Subsystem: Law 79, Public Sector Date l.u.: 29 Aug 1984
Function: Data Entry Processing Phase: 2
Program: ECCP010, Coverage Application
CICS Trans ID: C010
Author: SAK/MJO

Description:

The Coverage Application Entry/Edit Program will first ensure that all variables entered on the Coverage Application Screen from Form No. 1 are valid. For coded variables the code description will be retrieved from the appropriate table and displayed in the output screen. The applicant is then checked for eligibility according to the rules defined in the Schedule of Coverage for Law 79.

During the edit and eligibility checking process, highlighted fields and accompanying error messages will be presented to the terminal user. Program status checking will keep the program within the edit and eligibility routines until all errors are cleared, or until the operator indicates that the current application process is to be cancelled.

Completed transactions will be written to the Coverage Transaction File for audit processing and subsequent update processing. The transaction identifier assigned to the application will be displayed on the screen so that it may be noted on the application form for later retrieval.

INPUT:

Files: Employer, Tables, Control Data Bases

Screens: Coverage Application Screen

Note: Individual and Coverage Data Base Segments are passed to this program via the COMMAREA

OUTPUT:

File: Coverage Transaction File record

INTERFACE:

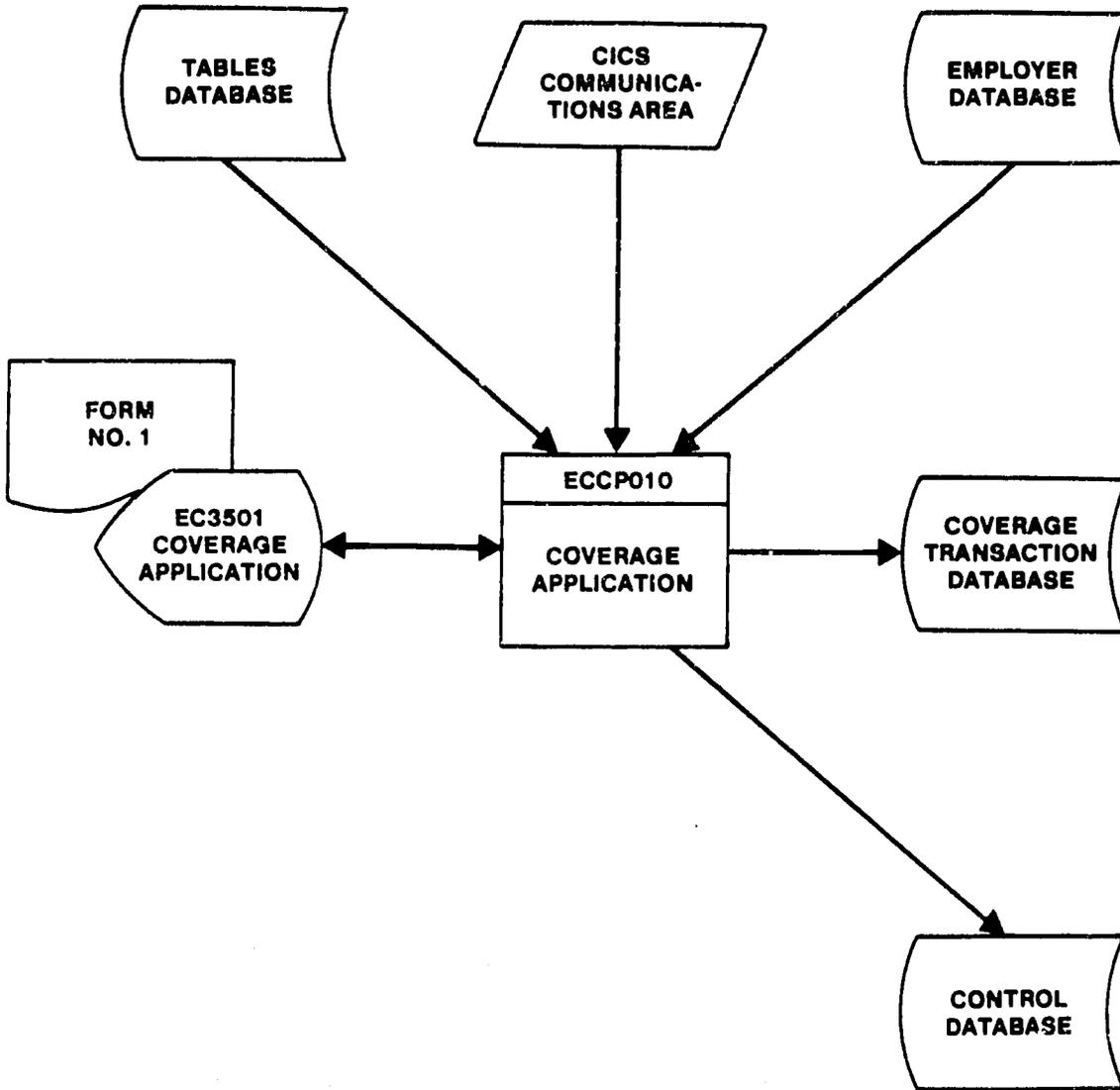
 Invoked by: ECOP050 Coverage System Driver Program

 Transfers to: ECOP050 Coverage System Driver Program

Standard Modules:

 DATECEI - Convert external date to internal format

PROGRAM I/O DIAGRAM COVERAGE APPLICATION



4.1 PROCESS CONTROL

```
IF COM-PASSWORD = Data Entry password AND COM-PANEL NOT
EQUAL 'EC3S01 '
    MOVE map name (EC3S01 ) to COM-PANEL
    MOVE map set name (EC3S000S) to COM-PANEL-SET
    MOVE program transaction ID (C010) to COM-TRAN-ID
    MOVE operator message to MAP-MSG-LINE1
    PERFORM 7000-SEND-INITIAL-MAPS
ENDIF
IF COM-PASSWORD = Data Entry password AND COM-PANEL EQUALS
"EC3S01 "
    IF COM-EDIT-SW = 1
        PERFORM 2000-PROCESS-TRANSACTION
    ELSE
        PERFORM 1000-EDIT-INPUT
        PERFORM 1100-COMPUTE-VARIABLES
        PERFORM 1200-CHECK-ELIGIBILITY
    ENDIF
ENDIF
IF COM-PASSWRD NOT EQUAL DATA ENTRY PASSWORD
    MOVE OPERATOR WARNING MESSAGE TO MSG-LINE
EXEC CICS SEND
FROM (MSG-LINE)
LENGTH (79)
ERASE
END-EXEC
MOVE COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
```

```

EXEC CICS RETURN
    TRANSID (COM-TRAN-ID)
    COMMAREA (DFHCOMMAREA-W)
    LENGTH (COM-LENGTH)
    END-EXEC

ENDIF

PERFORM 1400-PROCESS-TRANSACTION.

1000-EDIT-INPUT SECTION

IF OCCUPATION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-OCCUP-CODE-CHECK
    IF OCCUPATION-CODE VALID
        MOVE OCCUPATION-CODE TO COM-CT-OCCUPATION-CODE
    ELSE
        MOVE CURSOR TO OCCUPATION-CODE LENGTH
        SET OCCUPATION-CODE ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
ELSE
    MOVE CURSOR TO OCCUPATION-CODE LENGTH
    SET OCCUPATION-CODE ATTRIBUTE BYTE
    MOVE 'OCCUPATION-CODE IS MANDATORY ITEM' TO MSG-
    LINE2
    PERFORM 3000-FSET
ENDIF

IF APPLICATION-DATE LENGTH GREATER THAN ZERO
    IF APPLICATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE APPLICATION-DATE TO COM-CT-APPLICATION-DATE
    ELSE

```

```

        MOVE CURSOR TO APPLICATION-DATE LENGTH
        SET APPLICATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ELSE
        MOVE CURSOR TO APPLICATION-DATE LENGTH
        SET APPLICATION-DATE ATTRIBUTE
        MOVE "APPLICATION DATE IS A MANDATORY DATA ITEM"
            TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
IF OCCUPATION-DATE LENGTH GREATER THAN ZERO
    IF OCCUPATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE OCCUPATION-DATE TO COM-CT-OCCUPATION-DATE
    ELSE
        MOVE CURSOR TO OCCUPATION-DATE LENGTH
        SET OCCUPATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ELSE
        MOVE CURSOR TO OCCUPATION-DATE LENGTH
        SET OCCUPATION-DATE ATTRIBUTE
        MOVE "OCCUPATION DATE IS A MANDATORY DATA ITEM"
            TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
IF MONTHLY-SALARY LENGTH GREATER THAN ZERO

```

```

IF MONTHLY-SALARY NUMERIC AND GREATER THAN ZERO
    MOVE MONTHLY-SALARY TO COM-CT-MONTHLY-SALARY
ELSE
    MOVE CURSOR TO MONTHLY-SALARY LENGTH
    SET MONTHLY-SALARY ATTRIBUTE
    PERFORM 3000-FSET
ENDIF

ELSE
    MOVE CURSOR TO MONTHLY-SALARY LENGTH
    SET MONTHLY-SALARY ATTRIBUTE
    MOVE "SALARY IS A MANDATORY DATA ITEM" TO MSG-LINE2
    PERFORM 3000-FSET
ENDIF

IF INCENTIVE LENGTH GREATER THAN ZERO
    IF INCENTIVE NUMERIC AND NOT LESS THAN ZERO
        MOVE INCENTIVE TO COM-CT-INCENTIVE
    ELSE
        MOVE CURSOR TO INCENTIVE LENGTH
        SET INCENTIVE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ELSE
    MOVE CURSOR TO INCENTIVE LENGTH
    SET INCENTIVE ATTRIBUTE
    MOVE "INCENTIVE IS A MANDATORY DATA ITEM"
        TO MSG-LINE2
ENDIF

IF CONTRIBUTION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-CONTRIB-CHECK

```

```

IF CONTRIBUTION-CODE VALID
    MOVE CONTRIBUTION-CODE TO COM-CT-CONTRIBUTION-CODE
ELSE
    MOVE CURSOR TO CONTRIBUTION-CODE LENGTH
    SET CONTRIBUTION-CODE ATTRIBUTE BYTE
    PERFORM 3000-FSET
ENDIF

ELSE
    MOVE CURSOR TO CONTRIBUTION-CODE LENGTH
    SET CONTRIBUTION-CODE ATTRIBUTE BYTE
    MOVE `CONTRIBUTION CODE IS MANDATORY ITEM' TO MSG-
    LINE2
    PERFORM 3000-FSET
ENDIF

ENDIF

IF EMPLOYEE-RELATION-LENGTH GREATER THAN ZERO
    IF EMPLOYEE-RELATION EQUAL TO 'Y' OR 'N'
        MOVE EMPLOYEE-RELATION TO COM-CT-EMPLOYEE-RELATION
    ELSE
        MOVE CURSOR TO EMPLOYEE-RELATION LENGTH
        SET EMPLOYEE-RELATION ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
ELSE
    MOVE CURSOR TO EMPLOYEE-RELATION LENGTH
    SET EMPLOYEE-RELATION ATTRIBUTE BYTE
    MOVE `EMPLOYEE RELATION IS MANDATORY ITEM' TO MSG-

```

```

        LINE2
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF EMPLOYER-BIN LENGTH GREATER THAN ZERO
    GET EMPLOYER SEGMENT
    IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
        MOVE CURSOR TO EMPLOYER-BIN LENGTH
        SET EMPLOYER-BIN ATTRIBUTE BYTE
        MOVE 'EMPLOYER BIN INVALID' TO MSG-LINE2
        PERFORM 3000-FSET
    ELSE
        MOVE EMPLOYER-NAME TO COV-CT-EMPLOYER-NAME, MAP
        MOVE EMPLOYER-SECTOR TO COV-CT-EMPLOYER-SECTOR,
            MAP
    ENDIF
ELSE
    MOVE CURSOR TO EMPLOYER-BIN-LENGTH
    SET EMPLOYER-BIN ATTRIBUTE BYTE
    MOVE 'EMPLOYER BIN IS A MANDATORY FIELD' TO MSG-LINE2
    PERFORM 3000-FSET
ENDIF
1100-COMPUTE-VARIABLES SECTION
    SUBTRACT DATE-OF-BIRTH FROM APPLICATION-DATE GIVING
        APPLICANT-AGE
    IF COMMAREA COVERAGE SEGMENTS NOT EQUAL TO SPACES
        CALCULATE LENGTH-OF-CURRENT-PERIOD
        ADD LENGTH-OF-CURRENT-PERIOD, CUMULATIVE-MONTHS GIVING

```

COVERED-PERIODS

ELSE

SET COVERED-PERIODS TO ZERO

ENDIF

MOVE COVERED-PERIODS TO COM-CT-COVERED-PERIODS

ADD 60, DATE-OF-BIRTH GIVING RETIREMENT-DATE

1200-CHECK-ELIGIBILITY SECTION

IF EMPLOYER-SECTOR NOT PUBLIC

MCVE CURSOR TO EMPLOYER-BIN LENGTH

SET EMPLOYER-BIN ATTRIBUTE

MOVE 'EMPLOYER SECTOR NOT PUBLIC' TO MSG-LINE2

PERFORM 3000-FSET

ENDIF

DETERMINE COVERAGE FROM COVERAGE SCHEDULE

1400-PROCESS-TRANSACTION SECTION

MOVE 'A' TO COM-CT-TRANSACTION-TYPE

MOVE '21' TO COM-CT-STATUS-CODE

MOVE CURRENT DATE TO WS-HOLD-DATE

CALL 'DATECEI' USING WS-HOLD-DATE, CONVERTED-DATE

MOVE CONVERTED-DATE TO INITIAL ENTRY DATE DATE ADDED

MOVE COM-PANEL TO COM-CT-COM-PANEL

MOVE '9999' TO RECORD COUNT

MOVE COM-OPER-SIN TO APPROVED BY ISIN

MOVE 1 TO COM-EDIT-SW

MOVE INSTRUCTIONAL MESSAGE PROMPT TO MSG-LINE1

MOVE 'C010' COM-TRANSID

MOVE 'ECCP010' TO COM-DESTIN-PROG
COM-ORIGIN-PROG

PERFORM 4800-RESEND-MAP

2000-PROCESS-TRANSACTION SECTION

IF PF KEY DENOTES UPDATE NOT COMPLETE

MOVE TRANSACTION NUMBER TO COM-COVERAGE-
TRANSACTION-NUMBER

MOVE '22' TO COM-STATUS-CODE

INSERT COM-COVERAGE-TRANSACTION-RECORD TO
COVERAGE-TRANSACTION DATABASE

ENDIF

IF PF KEY DENOTES UPDATE COMPLETE

MOVE TRANSACTION NUMBER TO COM-COVERAGE-TRANSACTION-
NUMBER

MOVE '25' TO COM-STATUS-CODE

INSERT COM-COVERAGE-TRANSACTION-RECORD TO
COVERAGE-TRANSACTION DATABASE

ENDIF

IF PF KEY DENOTES CANCEL

MOVE TRANSACTION NUMBER TO COM-COVERAGE-TRANSACTION-
NUMBER

MOVE '98' TO COM-STATUS-CODE

INSERT COM-COVERAGE-TRANSACTION-RECORD TO
COVERAGE-TRANSACTION DATABASE

MOVE DATA ENTRY DRIVER PROGRAM NAME TO COM-DESTIN-PROG

ENDIF

PERFORM 4900-XCTL

3000-FSET SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

ERASE

FSET

CURSOR

END-EXEC

PERFORM 7000-BASIC RETURN

4000-OCCUP-CODE-CHECK SECTION

MOVE OCCUPATION-CODE-PREFIX TO TABLE-KEY-PREFIX

MOVE OCCUPATION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

MOVE TABLE-DESCRIPTION TO OCCUPATION-DESCRIPTION

OUTPUT FIELD

ELSE

FAIL EDIT

ENDIF

4000-CONTRIB-CHECK SECTION

MOVE CONTRIBUTION-CODE-PREFIX TO TABLE-KEY-PREFIX

MOVE CONTRIBUTION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

PASS EDIT

ELSE

FAIL EDIT

ENDIF

4800-RESEND-MAP SECTION

```

EXEC CICS SEND
      MAPSET (COM-PANEL-SET)
      MAP (COM-PANEL)
      FREEKB
      CURSOR
END-EXEC
PERFORM 7000-BASIC-RETURN
4900-XCTL SECTION
EXEC CICS XCTL
      PROGRAM (COM-DESTIN-PRCG)
      COMMAREA (DFHCOMMAREA-W)
      LENGTH (COM-LENGTH)
END-EXEC
7000-SEND-INITIAL-MAPS SECTION
MOVE COMMAREA REGION-CODE TO MAP
MOVE COMMAREA REGION-DESCRIPTION TO MAP
MOVE COMMAREA LOCAL-OFFICE-CODE TO MAP
MOVE COMMAREA LOCAL-OFFICE-DESCRIPTION TO MAP
MOVE COMMAREA UNIT-CODE TO MAP
MOVE COMMAREA UNIT-DESCRIPTION TO MAP
MOVE COMMAREA SIN TO MAP
MOVE COMMAREA NAME TO MAP
MOVE COMMAREA ADDRESS TO MAP
MOVE COMMAREA POLICE-GOVERNATE TO MAP
MOVE COMMAREA GOVERNATE-NAME TO MAP
MOVE COMMAREA POLICE-STATION TO MAP
MOVE COMMAREA POLICE-STATION-NAME TO MAP

```

```

MOVE COMMAREA POLICE-UNIT TO MAP
MOVE COMMAREA POLICE-UNIT-NAME TO MAP
GET CONTROL SEGMENT
IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
    MOVE 'CONTROL DB ERROR - NOTIFY MANAGER' TO MSG-LINE2
    PERFORM 3000-FSET
ENDIF
MOVE NEXT-COVERAGE-TRANSACTION-NUMBER TO MAP
ADD 1 TO NEXT-COVERAGE-TRANSACTION-NUMBER
REWRITE CONTROL SEGMENT
IF RETURN CODE INDICATES 'REWRITE NOT SUCCESSFUL'
    MOVE 'ERROR REWRITING CONTROL DB SEGMENT' TO MSG-LINE2
    PERFORM 3000-FSET
ENDIF
EXEC CICS SEND
    MAPSET (COM-PANEL-SET)
    MAP (COM-PANEL)
    FREEKB
    CURSOR
END-EXEC
PERFORM 7000-BASIC-RETURN
7000-BASIC-RETURN SECTION
EXEC CICS RETURN
    TRANSID (COM-TRAN-ID)
    COMMAREA (DFHCOMMAREA-W)
    LENGTH (COM-LENGTH)
END-EXEC

```

PROGRAM DESCRIPTION FORM

System: Coverage Date f.c.: 29 July 1984
Subsystem: Law 79, Public Sector Date l.u.: 29 July 1984
Function: Data Entry Processing Phase: 2
Program: ECCP020, Coverage Changes
CICS Trans ID: C020
Author: SAK/MJO

Description:

The Coverage Application Edit/Eligibility Check Program will first ensure that all variables entered on the Coverage Application Screen from Form No. 173 are valid. For coded variables the code description will be retrieved from the appropriate table and displayed on the output screen. The applicant is then checked for eligibility according to the rules defined in the Schedule of Coverage for Law 79.

During the edit and eligibility checking process, highlighted errors and accompanying error messages will be persented to the terminal user. Program status checking will keep the program within the edit/eligibility routines until all errors are cleared, or until the operator indicates that the current application process is to be cancelled.

Completed transactions will be written to the Coverage Transaction File for audit processing and subsequent database update processing. The transaction identifier obtained from the control database will be displayed on the screen so that the terminal operator may annotate the number on the coverage change form for later transaction retrieval.

INPUT:

Files: Employer, Coverage, Tables, Control Data Bases

Screens: Coverage Change

OUTPUT:

Files: Transaction File Record

Screens: Coverage Change

Note: The Individual record, Coverage Root segment and

Current Coverage Period segment are passed to this program via the COMMAREA

INTERFACE:

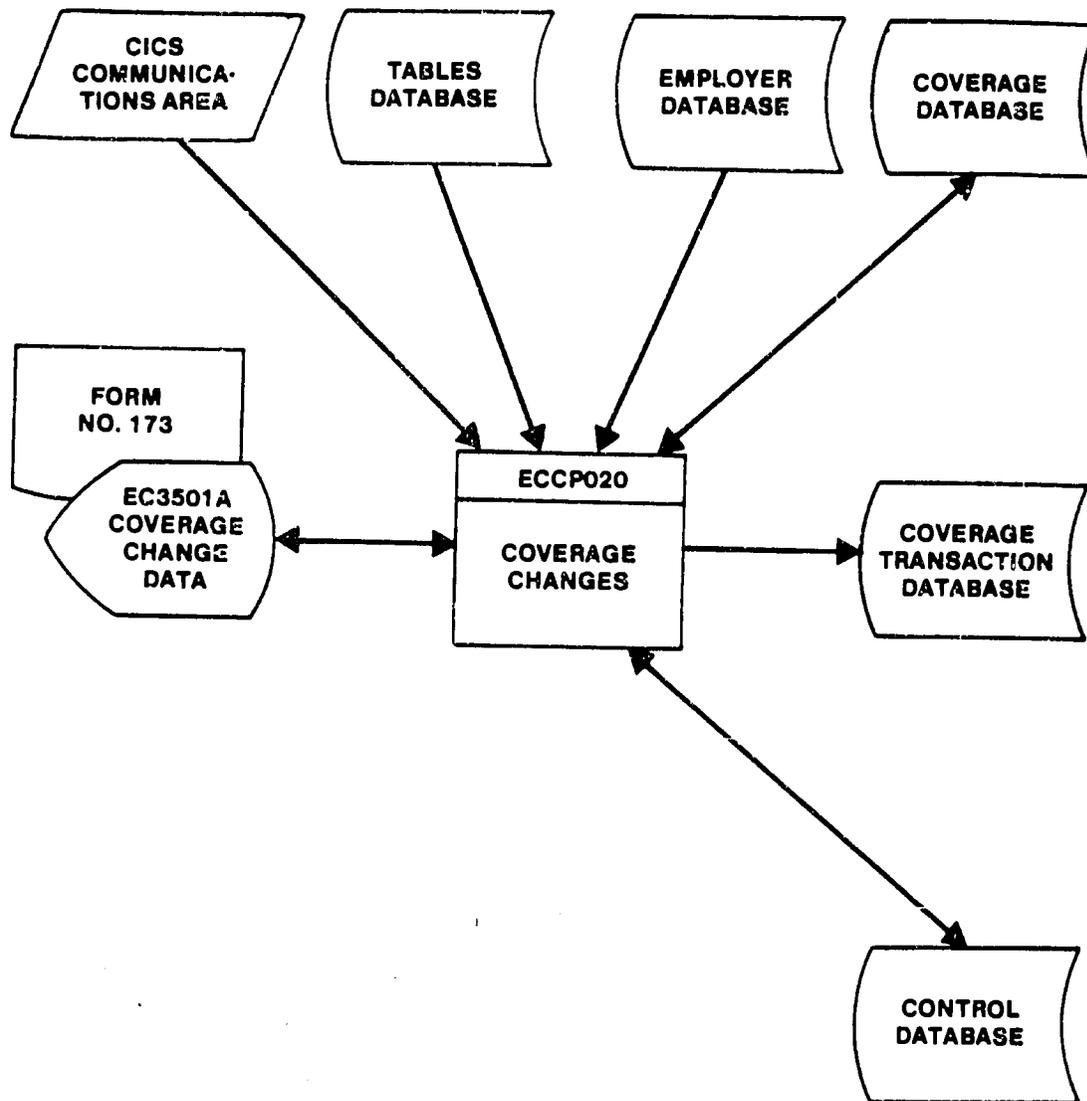
 Invoked by: ECOP050 Coverage System Driver

 Transfers to: ECOP050 Coverage System Driver

Standard Modules:

 DATECEI - Converts external dates to internal storage format

PROGRAM I/O DIAGRAM COVERAGE CHANGES



4.1 PROCESS CONTROL

```
IF COM-PASSWORD = Data Entry password AND COM-PANEL NOT
EQUAL 'EC3S01A'

    MOVE map name (EC3S01A) to COM-PANEL
    MOVE map set name (EC3S000S) to COM-PANEL-SET
    MOVE program transaction ID (C020) to COM-TRAN-ID
    MOVE operator message to MAP-MSG-LINE1
    PERFORM 0100-LOAD-INIT-SCREENS
    PERFORM 7000-SEND-INITIAL-MAPS

ENDIF

IF COM-PASSWORD = Data Entry password AND COM-PANEL EQUALS
"EC3S01A"

IF COM-EDIT-SW = 1

    PERFORM 2000-PROCESS-TRANSACTION
ELSE

    PERFORM 1000-EDIT-INPUT
    PERFORM 1100-COMPUTE-VARIABLES
    PERFORM 1200-CHECK-ELIGIBILITY
ENDIF

ENDIF

IF COM-PASSWRD NOT EQUAL DATA ENTRY PASSWORD

    MOVE OPERATOR WARNING MESSAGE TO MSG-LINE

EXEC CICS SEND
FROM (MSG-LINE)
LENGTH (79)
ERASE
END-EXEC
```

```

MOVE COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
EXEC CICS RETURN
    TRANSID (COM-TRAN-ID)
    COMMAREA (DFHCOMMAREA-W)
    LENGTH (COM-LENGTH)
    END-EXEC

ENDIF

PERFORM 1400-PROCESS-TRANSACTION.

0100-LOAD-INIT-SCREEN SECTION

MOVE COMMAREA REGION-CODE TO MAP
MOVE COMMAREA REGION-DESCRIPTION TO MAP
MOVE COMMAREA LOCAL-OFFICE-CODE TO MAP
MOVE COMMAREA LOCAL-OFFICE-DESCRIPTION TO MAP
MOVE COMMAREA UNIT-CODE TO MAP
MOVE COMMAREA UNIT-DESCRIPTION TO MAP
MOVE COMMAREA SIN TO MAP
MOVE COMMAREA NAME TO MAP
MOVE COMMAREA ADDRESS TO MAP
MOVE COMMAREA POLICE-GOVERNATE TO MAP
MOVE COMMAREA GOVERNATE-NAME TO MAP
MOVE COMMAREA POLICE-STATION TO MAP
MOVE COMMAREA POLICE-STATION-NAME TO MAP
MOVE COMMAREA POLICE-UNIT TO MAP
MOVE COMMAREA POLICE-UNIT-NAME TO MAP
MOVE COMMAREA EMPLOYER-BIN TO MAP

GET EMPLOYER SEGMENT

IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
    MOVE CURSOR TO EMPLOYER-BIN

```

```

        SET EMPLOYER-BIN ATTRIBUTE BYTE
        MOVE 'NO EMPLOYER SEGMENT EXISTS' TO MSG-LINE2
        PERFORM 7000-SEND-INITIAL-MAPS
    ENDIF

    MOVE BUSINESS-NAME TO MAP
    MOVE SECTOR LITERAL TO MAP BASED ON SECTOR-CODE
    GET CONTROL SEGMENT
    IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
        MOVE CURSOR TO TRANSACTION-NUMBER
        SET TRANSACTION-NUMBER ATTRIBUTE BYTE
        MOVE 'CONTROL DB ERROR - NOTIFY MANAGER' TO MSG-LINE2
        PERFORM 7000-SEND-INITIAL-MAPS
    ENDIF

    MOVE NEXT-COVERAGE-TRANSACTION-NUMBER TO MAP
    ADD 1 TO NEXT-COVERAGE-TRANSACTION-NUMBER
    REWRITE CONTROL SEGMENT
    IF RETURN CODE INDICATES 'REWRITE NOT SUCCESSFUL'
        MOVE CURSOR TO TRANSACTION-NUMBER
        SET TRANSACTION-NUMBER ATTRIBUTE BYTE
        MOVE 'ERROR REWRITING CONTROL DB SEGMENT' TO MSG-LINE2
        PERFORM 7000-SEND-INITIAL-MAPS
    ENDIF

    MOVE COMMAREA EMPLOYEE-RELATION TO MAP
    MOVE COMMAREA CONTRIBUTION-CODE TO CONTRIBUTION-CODE OF MAP
    MOVE COMMAREA PERIOD-START-DATE TO OCCUPATION-DATE OF MAP
    GET SALARY SEGMENT
    IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'

```

```

        MOVE ZERO TO MONTHLY-SALARY OF MAP
ELSE
MOVE MONTHLY-SALARY TO MAP
ENDIF
GET INCENTIVE SEGMENT
IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
        MOVE ZERO TO INCENTIVE OF MAP
ELSE
        MOVE AVERAGE-MONTHLY-INCENTIVE-AMT TO MAP
ENDIF
PERFORM 4000-OCCUP-CODE-CHECK
GET WORK EXTENSION SEGMENT
IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
        MOVE 60 TO RETIREMENT-AGE OF MAP
        MOVE ZERO TO DECREE-NUMBER OF MAP
                WORK-EXTENSION-MONTHS OF MAP
        MOVE SPACES TO WORK-EXTENSION-DATE
ELSE
        CALCULATE RETIREMENT-AGE OF MAP AS
                60 + WORK-EXT-MONTHS / 12
        MOVE DECREE-NUMBER TO MAP
        MOVE WORK-EXT-MONTHS TO MAP
        MOVE WORK-EXT-DATE TO MAP
ENDIF
PERFORM 7000-SEND-INITIAL-MAPS

```

1000-EDIT-INPUT SECTION

```

IF OCCUPATION-CODE LENGTH GREATER THAN ZERO

```

```

PERFORM 4000-OCCUP-CODE-CHECK
IF OCCUPATION-CODE VALID
    MOVE OCCUPATION-CODE TO COM-CT-OCCUPATION-CODE
ELSE
    MOVE CURSOR TO OCCUPATION-CODE LENGTH
    SET OCCUPATION-CODE ATTRIBUTE BYTE
    PERFORM 3000-FSET
ENDIF
IF APPLICATION-DATE LENGTH GREATER THAN ZERO
    IF APPLICATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE APPLICATION-DATE TO COM-CT-APPLICATION-DATE
    ELSE
        MOVE CURSOR TO APPLICATION-DATE LENGTH
        SET APPLICATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF OCCUPATION-DATE LENGTH GREATER THAN ZERO
    IF OCCUPATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE OCCUPATION-DATE TO COM-CT-OCCUPATION-DATE
    ELSE
        MOVE CURSOR TO OCCUPATION-DATE LENGTH
        SET OCCUPATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF MONTHLY-SALARY LENGTH GREATER THAN ZERO
    IF MONTHLY-SALARY NUMERIC AND GREATER THAN ZERO
        MOVE MONTHLY-SALARY TO COM-CT-MONTHLY-SALARY
    ELSE

```

```

        MOVE CURSOR TO MONTHLY-SALARY LENGTH
        SET MONTHLY-SALARY ATTRIBUTE
        PERFORM 3000-FSET
ENDIF
IF INCENTIVE LENGTH GREATER THAN ZERO
    IF INCENTIVE NUMERIC AND NOT LESS THAN ZERO
        MOVE INCENTIVE TO COM-CT-INCENTIVE
    ELSE
        MOVE CURSOR TO INCENTIVE LENGTH
        SET INCENTIVE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF CONTRIBUTION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-CONTRIB-CHECK
    IF CONTRIBUTION-CODE VALID
        MOVE CONTRIBUTION-CODE TO COM-CT-CONTRIBUTION-CODE
    ELSE
        MOVE CURSOR TO CONTRIBUTION-CODE LENGTH
        SET CONTRIBUTION-CODE ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF RETIREMENT-AGE LENGTH GREATER THAN ZERO
    IF RETIREMENT-AGE NUMERIC AND GREATER THAN 59
        MOVE RETIREMENT-AGE TO COM-CT-RETIREMENT-AGE
    ELSE
        MOVE CURSOR TO RETIREMENT-AGE LENGTH
        SET RETIREMENT-AGE ATTRIBUTE

```

```

        PERFORM 3000-FSET
    ENDIF
    IF WORK-EXTENSION-DECREE-NUMBER LENGTH GREATER THAN ZERO
        IF WORK-EXTENSION-DECREE-NUMBER NUMERIC
            MOVE WORK-EXTENSION-DECREE-NUMBER TO COM-CT-
                WORK-EXTENSION-DECREE-NUMBER
        ELSE
            MOVE CURSOR TO WORK-EXTENSION-DECREE-NUMBER LENGTH
            SET WORK-EXTENSION-DECREE-NUMBER ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    IF WORK-EXTENSION-DATE LENGTH GREATER THAN ZERO
        IF WORK-EXTENSION-DATE NOT GREATER THAN CURRENT-DATE
            MOVE WORK-EXTENSION-DATE TO COM-CT-WORK-EXTENSION-
                DATE
        ELSE
            MOVE CURSOR TO WORK-EXTENSION-DATE LENGTH
            SET WORK-EXTENSION-DATE ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    IF PERIOD-OF-EXTENSION LENGTH GREATER THAN ZERO
        IF PERIOD-OF-EXTENSION NUMERIC
            MOVE PERIOD-OF-EXTENSION TO COM-CT-PERIOD-OF-
                EXTENSION
        ELSE
            MOVE CURSOR TO PERIOD-OF-EXTENSION LENGTH
            SET PERIOD-OF-EXTENSION ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    
```

```

ENDIF
IF EMPLOYEE-RELATION LENGTH GREATER THAN ZERO
    IF EMPLOYEE-RELATION EQUAL TO 'Y' OR 'N'
        MOVE EMPLOYEE-RELATION TO COM-CT-EMPLOYEE-RELATION
    ELSE
        MOVE CURSOR TO EMPLOYEE-RELATION LENGTH
        SET EMPLOYEE-RELATION ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
ENDIF

1100-COMPUTE-VARIABLES SECTION
SUBTRACT DATE-OF-BIRTH FROM APPLICATION-DATE GIVING
    APPLICANT-AGE
CALCULATE CURRENT-PERIOD-COVERAGE
ADD CURRENT-PERIOD-COVERAGE, CUMULATIVE-MONTHS GIVING
    COVERED-PERIODS
MOVE COVERED-PERIODS TO COM-CT-COVERED-PERIODS
ADD RETIREMENT-AGE, DATE-OF-BIRTH GIVING RETIREMENT-DATE

1200-CHECK-ELIGIBILITY SECTION
MOVE EMPLOYER-NAME TO COM-CT-EMPLOYER-NAME
IF EMPLOYER-SECTOR NOT PUBLIC
    MOVE CURSOR TO EMPLOYER-BIN LENGTH
    SET EMPLOYER-BIN ATTRIBUTE
    MOVE 'EMPLOYER SECTOR NOT PUBLIC TO MSG-LINE2
    PERFORM 3000-FSET
ENDIF
DETERMINE ELIGIBILITY ACCORDING TO COVERAGE SCHEDULE

```

1400-PROCESS-TRANSACTION SECTION

MOVE 'C' TO COM-CT-TRANSACTION-TYPE
MOVE '21' TO COM-CT-STATUS-CODE
MOVE CURRENT DATE TO WS-HOLD-DATE
CALL 'DATECEI' USING WS-HOLD-DATE, CONVERTED-DATE
MOVE CONVERTED DATE TO INITIAL ENTRY DATE DATE ADDED
MOVE COM-PANEL TO COM-CT-COM-PANEL
MOVE '9999' TO RECORD COUNT
MOVE COM-OPER-SIN TO APPROVED BY ISIN
MOVE 1 TO COM-EDIT-SW
MOVE INSTRUCTIONAL MESSAGE PROMPT TO MSG-LINE1
MOVE 'C020' COM-TRANSID
MOVE 'ECCP020' TO COM-DESTIN-PROG
COM-ORIGIN-PROG
PERFORM 4800-RESEND-MAP

2000-PROCESS-TRANSACTION SECTION

IF PF KEY DENOTES UPDATE NOT COMPLETE
MOVE TRANSACTION NUMBER TO COM-COVERAGE-
TRANSACTION-NUMBER
MOVE '22' TO COM-STATUS-CODE
INSERT COM-COVERAGE-TRANSACTION-RECORD TO
COVERAGE-TRANSACTION DATABASE
ENDIF
IF PF KEY DENOTES UPDATE COMPLETE
MOVE TRANSACTON NUMBER TO COM-COVERAGE-TRANSACTION-
NUMBER
MOVE '25' TO COM-STATUS-CODE
INSERT COM-COVERAGE-TRANSACTION-RECORD TO

COVERAGE-TRANSACTION DATABASE

ENDIF

IF PF KEY DENOTES CANCEL

MOVE TRANSACTION NUMBER TO COM-COVERAGE-TRANSACTION-
NUMBER

MOVE '98' TO COM-STATUS-CODE

INSERT COM-COVERAGE-TRANSACTION-RECORD TO
COVERAGE-TRANSACTION DATABASE

MOVE DATA ENTRY DRIVER PROGRAM NAME TO COM-DESTIN-PROG

PERFORM 4900-XCTL

3000-FSET SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

FSET

CURSOR

END-EXEC

PERFORM 7000-BASIC RETURN

4000-OCCUP-CODE-CHECK SECTION

MOVE OCCUPATION-CODE-PREFIX TO TABLE-KEY-PREFIX

MOVE OCCUPATION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

MOVE TABLE-DESCRIPTION TO OCCUPATION-DESCRIPTION

OUTPUT FIELD

ELSE

FAIL EDIT

ENDIF

4000-CONTRIB-CHECK SECTION

MOVE CONTRIBUTION-CODE-PREFIX TO TABLE-KEY-PREFIX

MOVE CONTRIBUTION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

PASS EDIT

ELSE

FAIL EDIT

ENDIF

4800-RESEND-MAP SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

CURSORS

END-EXEC

PERFORM 7000-BASIC-RETURN

4900-XCTL SECTION

EXEC CICS XCTL

PROGRAM (COM-DESTIN-PROG)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

7000-SEND-INITIAL-MAPS SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

CURSOR

END-EXEC

PERFORM 7000-BASIC-RETURN

7000-BASIC-RETURN SECTION

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION FORM

System: Coverage Date f.c.: 29 July 1984
Subsystem: Law 79, Public Sector Date l.u.: 29 July 1984
Function: Data Entry Processing Phase: 2
Program: ECCP030, Coverage Termination
CICS Trans ID: C030
Author: SAK/MJO

Description:

The Coverage Termination Program is used to terminate the current contribution period and record that contribution period in the contribution summary portion of the Billing Database. The program will edit all variable input screen data entered from Form No. 6 and provide the operator with highlighted fields and accompanying messages to facilitate error correction. Program status checks will maintain the program within the edit function until the operator indicates that the error-free termination screen is to be processed, or indicates that the current operation is to be cancelled.

Completed terminations will be written to the Coverage Transaction Data Base for subsequent audit and database update processing. The transaction identifier obtained from the control database will be displayed on the screen so that the identifier may be annotated on the termination form to allow later retrieval of the transaction.

INPUT:

Files: Control, Employer, Tables Data Bases

Screens: Coverage Termination

OUTPUT:

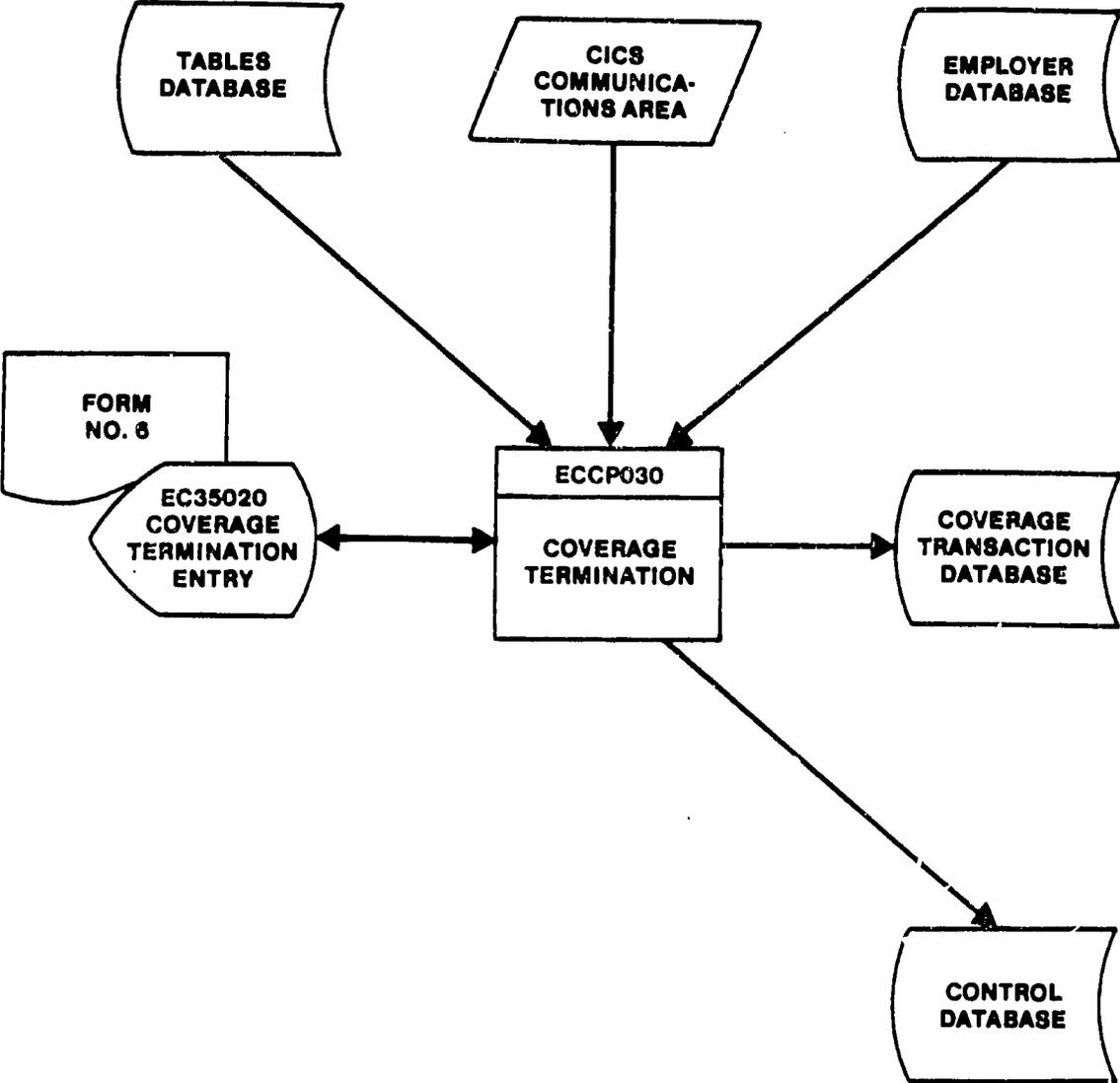
Transaction record for Individual, Coverage and Billing
Database updates

INTERFACE:

Invoked by: ECOP050 Coverage System Driver

Transfers to: ECOP050 Coverage System Driver

**PROGRAM I/O DIAGRAM
COVERAGE TERMINATION**



4.1 PROCESS CONTROL

```
IF COM-PASSWORD = Data Entry password AND COM-PANEL NOT
EQUAL 'EC3S02 '

    MOVE map name (EC3S02 ) TO COM-PANEL
    MOVE map set name (EC3S000S) TO COM-PANEL-SET
    MOVE program transaction ID (C030) TO COM-TRAN-ID
    MOVE operator message TO MAP-MSG-LINE1
    PERFORM 7000-SEND-INITIAL-MAPS

ENDIF

IF COM-PASSWORD = Data Entry password AND COM-PANEL EQUALS
    "EC3S02 "

    IF COM-EDIT-SW = 1

        PERFORM 2000-PROCESS-TRANSACTION

    ELSE

        PERFORM 1000-EDIT-INPUT
        PERFORM 1100-VERIFY-COVERAGE

    ENDIF

IF COM-PASSWRD NOT EQUAL DATA ENTRY PASSWORD

    MOVE OPERATOR WARNING MESSAGE TO MSG-LINE

EXEC CICS SEND
FROM (MSG-LINE)
LENGTH (79)
ERASE
END-EXEC

MOVE COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
EXEC CICS RETURN

    TRANSID (COM-TRAN-ID)
```

```

        COMMAREA (DFHCOMMAREA-W)
        LENGTH (COM-LENGTH)
        END-EXEC

    ENDIF

    PERFORM 1400-PROCESS-TRANSACTION.

1000-EDIT-INPUT SECTION

    IF TERMINATION-DATE LENGTH GREATER THAN ZERO
        IF TERMINATION-DATE NOT GREATER THAN CURRENT-DATE
            MOVE TERMINATION-DATE TO COM-CT-TERMINATION-DATE
        ELSE
            MOVE CURSOR TO TERMINATION-DATE LENGTH
            SET TERMINATION-DATE ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO TERMINATION-DATE LENGTH
        SET TERMINATION-DATE ATTRIBUTE
        MOVE "TERMINATION DATE IS A MANDATORY DATA ITEM"
            TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF

    IF TERM-FORM-DATE LENGTH GREATER THAN ZERO
        IF TERM-FORM-DATE NOT GREATER THAN CURRENT-DATE
            MOVE TERM-FORM-DATE TO COM-CT-TERM-FORM-DATE
        ELSE
            MOVE CURSOR TO TERM-FORM-DATE LENGTH
            SET TERM-FORM-DATE ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ENDIF

```

```

        ENDIF
ELSE
        MOVE CURSOR TO TERM-FORM-DATE LENGTH
        SET TERM-FORM-DATE ATTRIBUTE
        MOVE "TERMINATION FORM DATE IS A MANDATORY FIELD"
            TO MSG-LINE2
        PERFORM 3000-FSET
ENDIF
IF TERMINATION-REASON LENGTH GREATER THAN ZERO
        PERFORM 4000-TERM-RSN-CHECK
        IF TERMINATION-REASON VALID
                MOVE TERMINATION-REASON TO COM-CT-TERMINATION-REASON
        ELSE
                MOVE CURSOR TO TERMINATION-REASON LENGTH
                SET TERMINATION-REASON ATTRIBUTE BYTE
                PERFORM 3000-FSET
        ENDIF
ELSE
        MOVE CURSOR TO TERMINATION-REASON LENGTH
        SET TERMINATION-REASON ATTRIBUTE BYTE
        MOVE `TERMINATION REASON IS MANDATORY ITEM' TO MSG-
            LINE2
        PERFORM 3000-FSET
        ENDIF
ENDIF
ENDIF
1100-VERIFY-COVERAGE SECTION
        IF TERMINATION-DATE LESS THAN SEGMENT COVERAGE-START-DATE

```

MOVE CURSOR TO TERMINATION-DATE LENGTH
SET TERMINATION-DATE ATTRIBUTE
MOVE 'TERMINATION DATE PRIOR TO COVERAGE START DATE' TO
MSG-LINE2
PERFORM 3000-FSET

ENDIF

IF PERIOD-END-DATE NOT EQUAL TO ZERO

MOVE CURSOR TO TERMINATION-DATE LENGTH
SET TERMINATION-DATE ATTRIBUTE BYTE
MOVE 'CURRENT PERIOD ALREADY TERMINATED' TO MSG-LINE2
PERFORM 3000-FSET

ENDIF

1400-PROCESS-TRANSACTION SECTION

MOVE 'T' TO COM-CT-TRANSACTION-TYPE
MOVE '21' TO COM-CT-STATUS-CODE
MOVE CURRENT DATE TO WS-HOLD-DATE
CALL 'DATECEI' USING WS-HOLD-DATE, CONVERTED-DATE
MOVE CONVERTED-DATE TO INITIAL ENTRY DATE DATE ADDED
MOVE COM-PANEL TO COM-CT-COM-PANEL
MOVE '9999' TO RECORD COUNT
MOVE COM-OPER-SIN TO APPROVED BY ISIN
MOVE 1 TO COM-EDIT-SW
MOVE INSTRUCTIONAL MESSAGE PROMPT TO MSG-LINE1
MOVE 'C030' TO COM-TRANSID
MOVE 'ECCP030' TO COM-DESTIN-PROG
COM-ORIGIN-PROG

PERFORM 4800-RESEND-MAP

2000-PROCESS-TRANSACTION SECTION

```
IF PF KEY DENOTES UPDATE NOT COMPLETE
    MOVE TRANSACTION NUMBER TO COM-REGISTRATION-
        TRANSACTION-NUMBER
MOVE '22' TO COM-STATUS-CODE
INSERT COM-COVERAGE-TRANSACTION-RECORD TO
    COVERAGE-TRANSACTION DATABASE
ENDIF
```

```
IF PF KEY DENOTES UPDATE COMPLETE
    MOVE TRANSACTON NUMBER TO COM-COVERAGE-TRANSACTION-
        NUMBER
    MOVE '25' TO COM-STATUS-CODE
    INSERT COM-COVERAGE-TRANSACTION-RECORD TO
        COVERAGE-TRANSACTION DATABASE
ENDIF
```

```
IF PF KEY DENOTES CANCEL
    MOVE '98' TO COM-STATUS-CODE
    MOVE TRANSACTION NUMBER TO COM-COVERAGE-TRANSACTION-
        NUMBER
    INSERT COM-COVERAGE-TRANSACTION-RECORD TO
        COVERAGE TRANSACTION DATA BASE
    MOVE DATA ENTRY DRIVER PROGRAM NAME TO COM-DESTIN-PROG
PERFORM 4900-XCTL
```

3000-FSET SECTION

```
EXEC CICS SEND
    MAPSET (COM-PANEL-SET)
    MAP (COM-PANEL)
    FREEKB
    ERASE
```

FSET

CURSOR

END-EXEC

PERFORM 7000-BASIC RETURN

4000-TERM-RSN-CHECK SECTION

MOVE TERMINATION-REASON-PREFIX TO TABLE-KEY-PREFIX

MOVE TERMINATION-REASON TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

MOVE TABLE-DESCRIPTION TO TERMINATION-DESC OF MAP
COM-CT-TERMINATION-DESC

ELSE

FAIL EDIT

ENDIF

4800-RESEND-MAP SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

CURSOR

END-EXEC

PERFORM 7000-BASIC-RETURN

4900-XCTL SECTION

EXEC CICS XCTL

PROGRAM (COM-DESTIN-PROG)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

7000-SEND-INITIAL-MAPS SECTION

MOVE COMMAREA REGION-CODE TO MAP
MOVE COMMAREA REGION-DESCRIPTION TO MAP
MOVE COMMAREA LOCAL-OFFICE-CODE TO MAP
MOVE COMMAREA LOCAL-OFFICE-DESCRIPTION TO MAP
MOVE COMMAREA UNIT-CODE TO MAP
MOVE COMMAREA UNIT-DESCRIPTION TO MAP
MOVE COMMAREA SIN TO MAP
MOVE COMMAREA NAME TO MAP
MOVE COMMAREA EMPLOYER-BIN TO MAP
GET EMPLOYER SEGMENT
IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
 MOVE CURSOR TO EMPLOYER-BIN
 SET EMPLOYER-BIN ATTRIBUTE BYTE
 MOVE 'NO EMPLOYER SEGMENT EXISTS' TO MSG-LINE2
 PERFORM 4800-RESEND-MAP
ENDIF
MOVE BUSINESS-NAME TO MAP
MOVE SECTOR LITERAL TO MAP BASED ON SECTOR-CODE
GET CONTROL SEGMENT
IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
 MOVE CURSOR TO TRANSACTION-NUMBER
 SET TRANSACTION-NUMBER ATTRIBUTE BYTE
 MOVE 'CONTROL DB ERROR - NOTIFY MANAGER' TO MSG-LINE2
 PERFORM 4800-RESEND-MAP
ENDIF
MOVE NEXT-COVERAGE-TRANSACTION-NUMBER TO MAP

```

ADD 1 TO NEXT-COVERAGE-TRANSACTION-NUMBER
REWRITE CONTROL SEGMENT
IF RETURN CODE INDICATES 'REWRITE NOT SUCCESSFUL'
    MOVE CURSOR TO TRANSACTION-NUMBER
    SET TRANSACTION-NUMBER ATTRIBUTE BYTE
    MOVE 'ERROR REWRITING CONTROL DB SEGMENT' TO MSG-LINE2
    PERFORM 4800-RESEND-MAP
ENDIF
PERFORM 4000-OCCUP-CODE-CHECK
EXEC CICS SEND
    MAPSET (COM-PANEL-SET)
    MAP (COM-PANEL)
    FREEKB
    ERASE
    MAPONLY
    CURSOR
END-EXEC
PERFORM 7000-BASIC-RETURN
7000-BASIC-RETURN SECTION
EXEC CICS RETURN
    TRANSID (COM-TRAN-ID)
    COMMAREA (DFHCOMMAREA-W)
    LENGTH (COM-LENGTH)
END-EXEC

```

PROGRAM DESCRIPTION FORM

System: Coverage Author: CB
Subsystem: Law 79, Public Sector Date f.c.: 9/4/84
Function: Data Entry Processing Date l.u.: 9/18/84
Program: ECCP040, Purchase Periods Phase: 2
CICS Trans ID: C040

Description

If an individual is currently covered and has not yet reached pensionable age, he may purchase any uncovered periods in his past toward his retirement, provided he buys in blocks of one or more years. If, however, he is not currently covered, he may still be eligible to purchase uncovered periods if by so purchasing it will qualify him for a 19 year retirement. Furthermore, he may take out a loan to pay for the period purchase if the purchase would qualify him for a 9 or 19 year retirement, depending on his age.

He may elect to pay the entire premium at one time, or monthly until his 60th birthday, or if eligible, take out a 5, 10, or 15 year loan to make the lump sum payment. All of his options are calculated and displayed on the screen for his selection.

When the Data Entry Clerk enters the individual's Application Date and the desired Coverage Start and End Dates, the screen comes back with employee information from his Individual Segment and his Coverage Periods Segment. If there are one or more periods that he is eligible to purchase, the application is written to the Transaction Database and a message appears that he is eligible. His eligibility for a loan is also indicated at that time. A lock is placed on his individual record and no more transactions may be initiated against the applicant until the Auditor later completes or rejects the transaction.

INPUTS:

Files: Unit Code Tables, Coverage Transaction and Coverage Segments Data Bases

Screens: Purchase Period Application Screen

Reports:

Documents: Birth Certificate

OUTPUTS:

Files: Transaction and Coverage Segments

Screens: Purchase Period Application Screen

Reports:

Documents:

INTERFACE:

Invoked by: Coverage Subsystem Menu

Transfers to: Coverage Subsystem Menu
AESIS Main Menu

STANDARD MODULES:

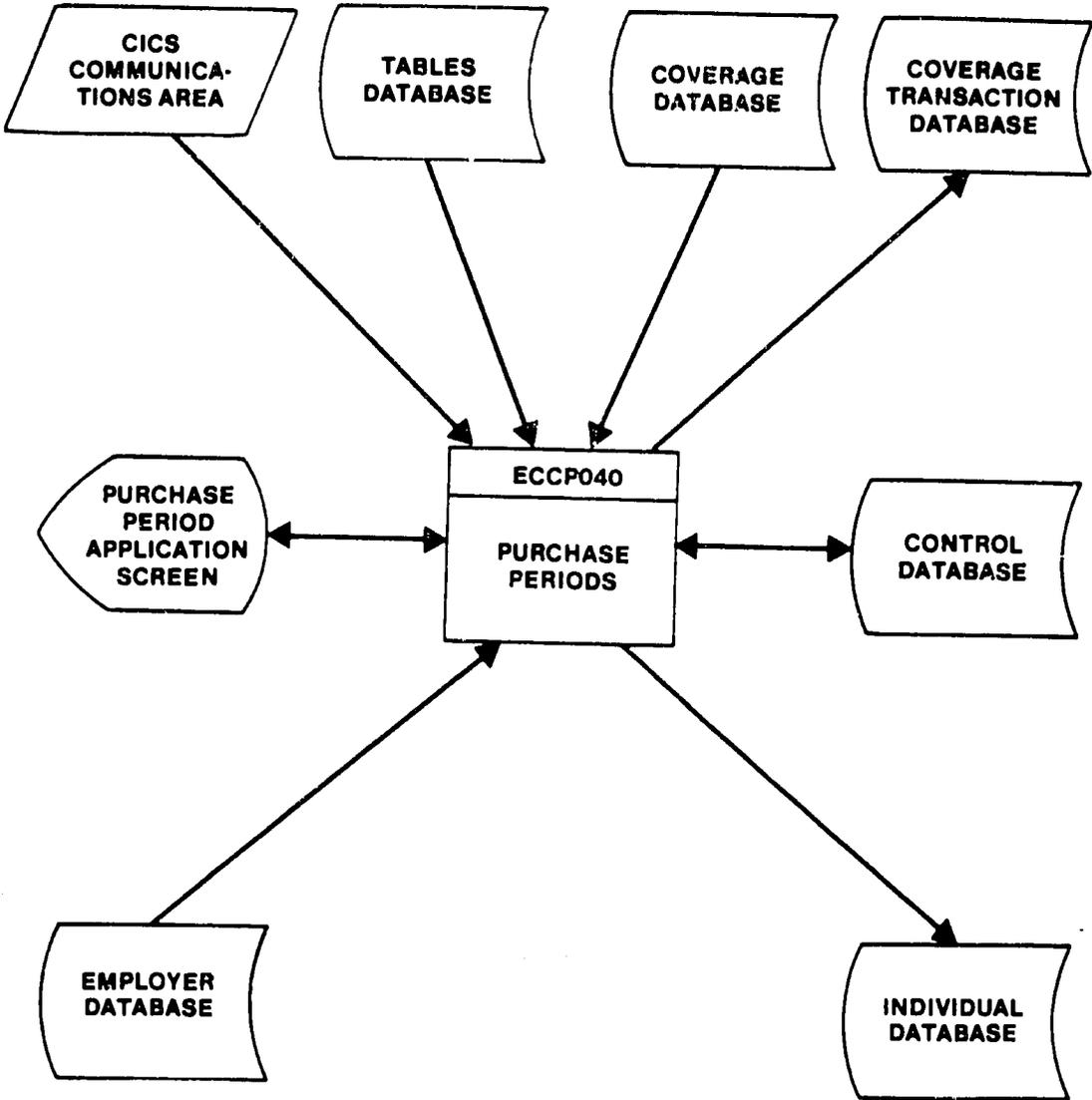
Name:

Function:

PROCESSING LOGIC

Validate operator as Data Entry type. If data entry, validate data; check applicant's eligibility for purchasing uncovered periods; find uncovered segments eligible for purchase and compute eligible years. Determine if applicant is eligible for a loan and send appropriate message; insert this record in Transaction Segment; set Transaction Lock; send verification screen and return to CICS.

**PROGRAM I/O DIAGRAM
PURCHASE PERIODS**



PROCESS CONTROL

PROGRAM ECCPO40

PURCHASING PERIODS-DATA ENTRY

1000-INITIALIZATION

MOVE COMMAREA DATA TO WE-COMAREA

IF PROGRAM-STATE = 1

GO TO 2000-PROGRAM-STATE-1

MOVE COM-SIN TO COVERAGE-SSA

CALL 'CBLTDLI' USING (GET DATA FOR FIRST SCREEN)

GET NEXT

COVERAGE-PERIODS-PCB

COVERAGE-SSA

COVERAGE-PERIODS-SSA

MOVE EMPLOYER-BIN TO EMPLOYER-SSA

CALL 'CBLTDLI' USING (NOW GET EMPLOYER NAME FOR SCREEN END)

GET UNIQUE

EMPLOYER-PCB

EMPLOYER-SSA

MOVE EMPLOYER-NAME TO MAP-EMPLOYER

MOVE COVERAGE BIN, SALARY, AND WORK-START-DATE

TO MAP-AREA

SET PROGRAM-STATE TO 1

EXEC CICS SEND

MAPSET (ECCS0005)

MAP (ECCS040)

FROM (MAP-AREA)

FREEKB

ERASE

```
CURSOR
END-EXEC
EXEC CICS RETURN
    TRANS-ID (COM-TRANS-ID)
    COMMAREA (DFHCOMAREA)
    LENGTH   (COM-LENGTH)
END-EXEC
```

2000-PROGRAM-STATE-1

```
EXEC CICS RECEIVE
    MAPSET (ECCS0005)
    MAP     (ECCS040)
    INTO    (MAP-AREA)
END-EXEC
IF PFK = CANCEL
    SET MESSAGE-LINE TO 'CANCELLED AT OPERATOR REQUEST'
    EXEC CICS SEND
        MAPSET (ECCS0005)
        MAP     (ECCS040)
        LENGTH  (79)
        FREEKB
        ERASE
        CURSOR
    END-EXEC
    GO TO 9999-TERMINATE
ENDIF
IF PFK = RETURN
```

```

EXEC CICS XCTL
      PROGRAM (COVERAGE-DRIVER)
      COMMAREA (DEHCOMAREA)
      LENGTH (COM-LENGTH)
END-EXEC

ENDIF

IF PFK = MAIN-MENU
      EXEC CICS XCTL
            PROGRAM (ECOP000)
            COMMAREA (DFHCOMAREA)
            LENGTH (COM-LENGTH)
      END-EXEC
ENDIF

IF INDIVIDUAL-LOCK IS ON
      IF ENTRY-SIN NOT DE OPERATOR
            SET MESSAGE-LINE TO
                  'TRANSACTION ABORTED. DATABASE LOCKED FOR
                  PENDING TRANSACTIONS'
            GO TO 999-BAD-ENDING
      ENDIF
ENDIF

***** VALIDATE NEW MODIFICATIONS
IF PERIOD-START-DATE NOT LESS THAN PERIOD-END-DATE
      SET MESSAGE-LINE TO 'START DATE NOT LESS THAN END DATE'
      GO TO 9999-BAD ENDING
ENDIF

IF APPLICATION-DATE LESS THAN PERIOD-END DATE
      SET MESSAGE-LINE TO `APPLICATION DATE LESS THAN END DATE'

```

```

        GO TO 9999-BAD ENDING
ENDIF
IF APPLICATION-DATE GREATER THAN CURRENT-DATE
    SET MESSAGE-LINE TO 'APPLIC DATE GREATER THAN CURR DATE'
    GO TO 4999-BAD-ENDING
ENDIF
MOVE COM-UNIT TO UNIT-SSA
CALL 'CBLTDLI' USING
    GET UNIQUE
    UNIT-TABLE-PCB
    TABLE-SSA
    UNIT-SSA
IF UNIT NOT FOUND
    SET MESSAGE-LINE TO 'UNIT DOESNT EXIST IN UNIT TABLE'
    GO TO 9999-BAD-ENDING
ENDIF

6010-GET-UNCOVERED    (CHECK TO SEE IF THERE ARE ELIG PERIODS)
CALL 'CBLTDLT' USING
    GET NEXT PARENT
    COVERAGE-PCB
    COVERAGE-PERIODS SEGMENT
IF NO MORE RECORDS
    SET INDEX TO 1
    IF WS-START-DATE (INDEX) = ZERO
        SET MESSAGE-LINE TO 'NO ELIGIBLE UNCOVERED PERIODS'
        GO TO 9999-BAD-ENDING
    ENDIF

```

```

        GO TO 6020-ELIGIBILITY-CHECK
ENDIF
IF PERIOD-STATUS-CODE NOT = 'PAST UNCOVERED'
        GO TO 6010-GET-UNCOVERED
ENDIF
IF PERIOD-START-DATE GREATER THAN UNCOV-START-DATE
        GO TO 6010-GET-UNCOVERED
ENDIF
IF PERIOD-END-DATE NOT LESS THAN UNCOV-END-DATE
ADD 1 TO INDEX
MOVE UNCOV-START-DATE TO
        WS-START-DATE (INDEX)
        TRANS-START (INDEX)
MOVE UNVOC-END-DATE TO WE-END-DATE (INDEX)
COMPUTE WE-ELIGIBLE-YEARS (INDEX)
        = WE-END-DATE (INDEX) MINUS WS-START-DATE (INDEX)
ADD WS-ELIGIBLE-YEARS (INDEX) TO WS-ELIGIBLE-YEARS
MOVE WE-ELIGIBLE-YEARS (INDEX) TO TRANS-ELIG-YRS (INDEX)
GO TO 6010--GET-UNCOVERED
ENDIF

6020-ELIGIBILITY-CHECK
IF PERIOD-START-DATE LESS THAN DOB PLUS 20 YEARS
        SET MESSAGE-LINE TO `START DATE MUST BE AFTER AGE 20'
        GO TO 999-BAD-ENDING
ENDIF
IF COVERAGE-END-DATE EQUAL ZERO (STILL COVERED)
        GO TO 6030-LOAN-ELIGIBILITY

```

```

ENDIF
***** ELSE IF NOT WORKING, WILL HE QUALIFY FOR RETIREMENT
DIVIDE CUMULATIVE-MONTHS IN COVERAGE ROOT BY 12
    GIVING COVERED-YEARS
IF COVERED-YEARS GREATER THAN 19
    SET MESSAGE-LINE TO `NON WORKING ALREADY HAS 19 YEARS
    GO TO 9999-BAD-ENDING
ELSE
    ADD WS-ELIGIBLE-YEARS TO COVERED-YEARS
        GIVING PROJECTED-COVERED-YEARS
    IF PROJECTED-COVERED-YEARS LESS THAN 19
    SET MESSAGE-LINE TO
        `NON WORKING CANT GET 19 YEARS WITH PURCHASE`
        GO TO 9999-BAD-ENDING
    ENDIF
ENDIF
ENDIF
6080-LOAN-ELIGIBILITY
    SET LOAN-FLAG TO 'YES'
    CALL 'DATEDIF' USING
        DOB
        APPLICATION-DATE
        WS-AGE
    DIVIDE WS-AGE BY 365 ROUNDED UP
    IF DOB GREATER THAN 4/1/31
        SET LOAN-FLAG TO 'NO'
        GO TO 6040-ELIGIBLE
    ENDIF
    IF WS-AGE LESS THAN 60

```

```

        IF PROJECTED-COVERED-YEARS LESS THAN 19
            SET LOAN-FLAG TO `NO`
        ENDIF
    ELSE
        IF PROJECTED-COVERED-YEARS LESS THAN 9
            SET LOAN-FLAG TO `NO`
        ENDIF
    ENDIF
6040-ELIGIBLE
    IF LOAN-FLAG = `YES`
        SET MESSAGE-LINE TO `ELIGIBLES FOR PURCHASE AND LOAN`
    ELSE
        SET MESSAGE-LINE TO `ELIGIBLE FOR PURCHASE WITHOUT LOAN`
    ENDIF
    SET TRANSACTION STATUS-CODE TO `AUDITOR MODIFIED`
    SUBTRACT 1 FROM TRANS-RECORD-COUNT
    CALL `CBLTDLI` USING
        INSERT
        TRANSACTION-PCB
        TRANS-SSA
    SET COM-PROGRAM-STATE TO ZERO
    GO TO 999-SEND-SCREEN
9999-SEND-SCREEN
    EXEC CICS SEND
        MAPSET (ECCSODDS)
        MAP (ECCS125)
        FROM (MAP-AREA)

```

END-EXEC

9999-TERMINATE

EXEC CICS RETURN

TRANS-ID (COM-TRANS-ID)

COMMAREA (DFHCOMAREA)

LENGTH (COM-LENGTH)

END-EXEC

9999-BAD-ENDING

EXEC CICS SEND

FROM (MESSAGE-LINE)

LENGTH (79)

END-EXEC

SET COM-TRAN-ID TO 9999

GO TO 9999-TERMINATE

PROGRAM DESCRIPTION FORM

System:	Coverage	Author:	CB
Subsystem:	Law 79, Public Sector	Date: f.c.:	9/12/8
Function:	Data Entry Processing	Date: l.u.:	9/13/8
Program:	ECCP050 - Upgrade Periods		
CICS Trans ID:	C050		

Description:

If an individual is currently covered and has not yet reached pensionable age, he may wish to upgrade his coverage prior to 9/1/75 (when the SIO program began) so that his social insurance benefits may be increased. He may do this for the employment period prior to coverage under SIO for whatever months he was working for the same employer on and prior to 9/1/75.

He may elect to pay the entire premium at once, or monthly until his 60th birthday, or if eligible, take out a 5, 10, or 15 year loan to make the lump sum payments. All of his options are calculated and displayed on the screen for his selection.

When the Data Entry Clerk enters the individual's Application Date and the desired coverage start dates, the screen comes back with employee information from his Individual Segment and his Coverage Periods Segment. If there are one or more periods that he is eligible to upgrade, the application is written to the coverage Transaction Database and a message appears that he is eligible. His eligibility for a loan is also indicated at that time. A lock is placed on his individual record and no more transactions may be initiated against the applicant until the Auditor later completes or rejects the transaction.

INPUTS:

Files: Unit Table, Transaction Segment, Coverage Periods Segment

Screens: Coverage Upgrade Application Screen (ECC3050)

Reports:

Documents: Borth Certificates

OUTPUTS:

Files: Transaction Segment, Coverage Periods Segment

Screens: Coverage Upgrade Application Screen (ECC3050)

Reports:

Documents:

INTERFACE:

Invoked by: Coverage Subsystem Menu

Transfers to: Coverage Subsystem Menu
AESIS Main Menu

STANDARD MODULES:

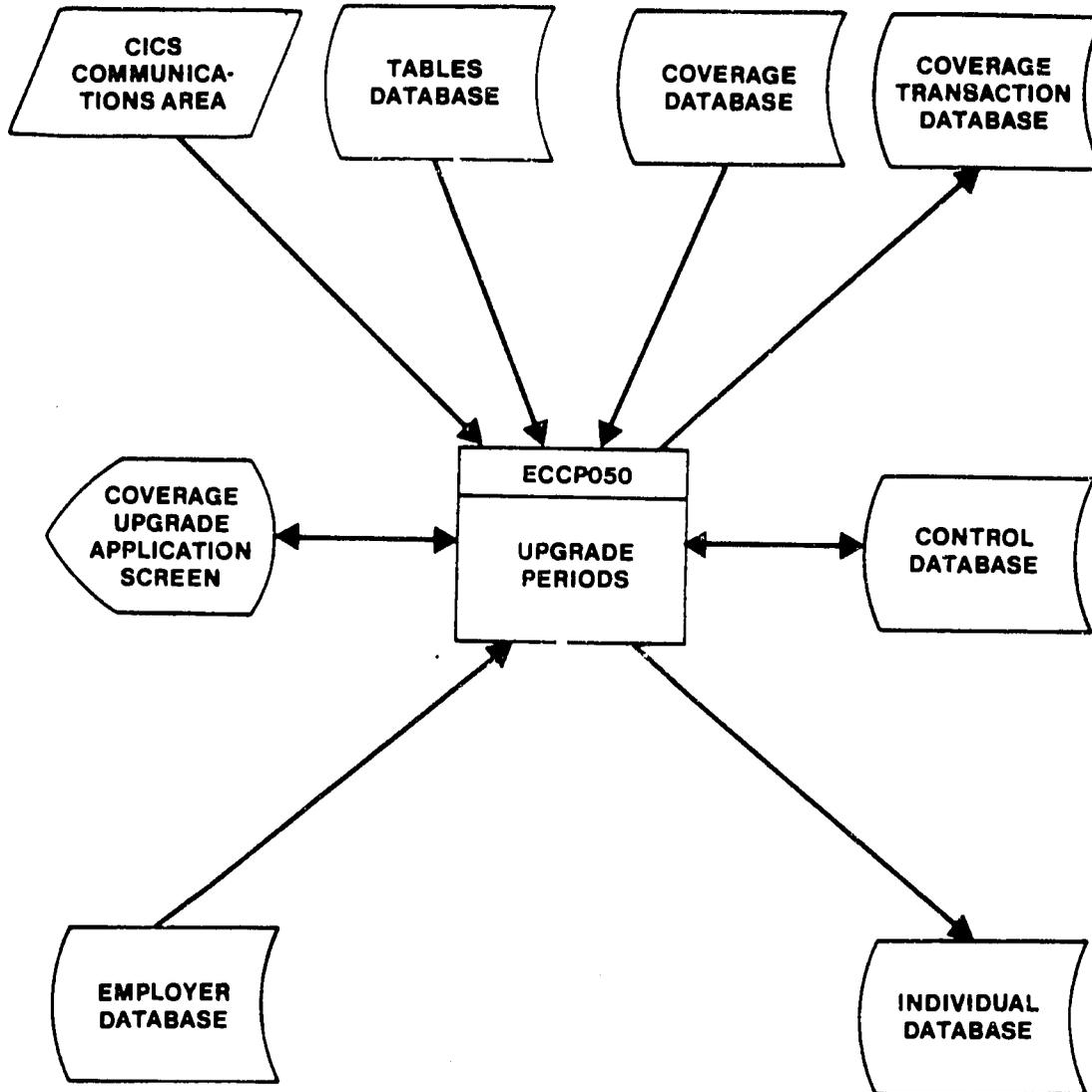
Name:

Function:

PROCESSING LOGIC

Validate operator as Data Entry type. If data entry, validate data; check applicant's eligibility for upgrading periods; find period on the Coverage Segment eligible for upgrading, and compute eligible months; determine if applicant is eligible for a loan and send appropriate message; insert this record in Transaction Segment; Set Transaction Lock; send verification screen and return to CICS.

PROGRAM I/O DIAGRAM UPGRADE PERIODS



PROCESS CONTROL

PROGRAM ECCP050

UPGRADING PERIODS - DATA ENTRY

1000-INITIALIZATION

MOVE COMMAREA DATA TO WS-COMAREA

IF PROGRAM-STATE = 1

GO TO 2000-PROGRAM-STATE-1

MOVE COM-SIN TO COVERAGE-SSA

CALL 'CBLTDLI' USING (GET DATA FOR FIRST SCREEN)

GET NEXT

COVERAGE-PERIODS-PCB

COVERAGES-SSA

COVERAGE-PERIODS-SSA

MOVE EMPLOYER-BIN TO EMPLOYER-SSA

CALL 'CBLTDLI' USING (NOW GET EMPLOYER NAME FOR SCREEN)

GET UNIQUE

EMPLOYER-PCB

EMPLOYER-SSA

MOVE EMPLOYER-NAME TO MAP-EMPLOYER

MOVE COVERAGE BIN, SALARY, AND WORK-STA.

TO MEP-ACEA

SET PROGRAM-STATE TO 1

EXEC CICS SEND

MAPSET (ECCS0005)

MAP (ECC2050

FROM (MAP--AREA)

FREEKB

ERASE

```

        CURSOR
END-EXEC
EXEC CICS RETURN
        TRANS-ID (COM-TRANS-ID)
        LENGTH   (COM-LENGTH)
END-EXEC
2000-PROGRAM-STATE-1
EXEC CICS RECEIVE
        MAPSET (ECCS0005)
        MAP    (ECCS050)
        INTO   (MAP-AREA)
END-EXEC
IF PFK = CANCEL
        SET MESSAGE-LINE TO 'CANCELLED AT OPERATOR REQUEST'
EXEC CICS SEND
        MAPSET (ECCS005)
        MAP    (ECCS050)
        LENGTH (79)
        FREEKB
        ERASE
        CURSOR
END-EXEC
GO TO 9999 - TERMINATE
ENDIF
IF PFK = RETURN
EXEC CICS XCTL
        PROGRAM (COVERAGE-DRIVER)

```

```

                COMMAREA (DFHCOMAREA)
                LENGTH   (COM-LENGTH)
        END-EXEC
ENDIF
IF PFK = MAIN-MENU
        EXEC CICS XCTL
                PROGRAM   (ECOP000)
                COMMAREA (DFHCOMAREA)
                LENGTH   (COM-LENGTH)
        END-EXEC
ENDIF
IF INDIVIDUAL-LOCK IS ON
        IF ENTRY-SIN NOT DE OPERATOR
                SET MESSAGE-LINE TO
                        `TRANSACTION ABORTED. DATABASE LOCKED FOR
                        PENDING TRANSACTIONS`
                GO TO 999- BAD-ENDING
        ENDIF
ENDIF
***** VALIDATE NEW MODIFICATIONS
IF PERIOD-START-DATE-NOT LESS THAN CONTRIBUTION-START-DATE
        SET MESSAGE-LINE TO 'START DATE MUST BE LESS THAN
                CONTRIBUTION START DATE'
        GO TO 9999-BAD-ENDING
ENDIF
IF APPLICATION-DATE GREATER THAN CURRENT-DATE
        SET MESSAGE-LINE TO `APPLIC DATE GREATER THAN CURR DATE`
        GO TO 4999-BAD-ENDING

```

```

ENDIF
MOVE COM-UNIT TO UNIT-SSA
CALL ' CBLTDLI' USING
    GET UNIQUE
    UNIT-TABLE-PCB
    TABLE-SSA
IF UNIT NOT FOUND
    SET MESSAGE-LINE TO 'UNIT DOESNT EXIST IN UNIT TABLE'
    GO TO 9999-BAD-ENDING
ENDIF
6000 ELIGIBILITY-CHECK
IF COVERAGE-END-DATE NOT EQUAL ZERO
    SET MESSAGE-LINE TO 'NUT CURRENTLY COVERED-INELIGIBLE'
    GO TO 4999-BAD-ENDING
ENDIF
PERFORM PENSIONABLE-AGE-ROUTINE
IF APPLICATION-DATE NOT LESS THAN PENSIONABLE-AGE-DATE
    SET MESSAGE-LINE TO 'APPLICATION DATE MUST BE BEFORE
        PENSIONABLE AGE`
    GO TO 4999-BAD-ENDING
ENDIF
*   A PERIOD STATUS CODE OF 53, 58, OR 59 DEFINES THAT PERIOD
*   BEFORE 9/1/75 FOR WHICH THE INSURED IS ENTITLED TO END OF
*   WORKING PERIOD COMPENSATION
*   ADJUST PERIOD START DATE TO BEGINNING OF MONTH
IF PERIOD-START-DAY NOT EQUAL 1
    ADD 1 TO PERIOD-START-MONTH

```

```

        MOVE 1 TO PERIOD-START-DAY
    ENDIF

6030-FIND-ELIGIBLE-SEGMENT
    IF PERIOD-STATUS-CODE EQUAL 53, 58, OR 59
        IF SIO-CONTRIB-START-DATE BETWEEN COVERAGE START AND END
            DATES
                MOVE EMPLOYER-BIN TO HOLD-BIN
                IF PERIOD-START-DATE GREATER THAN
                    COVERAGE-START-DATE
                        COMPUTE DAY-COUNT FROM PERIOD-START-DATE TO
                            COVERAGE-END-DATE
                        COMPUTE MONTH-COUNT FROM PERIOD-START-DATE
                            TO SIO-CONTRIB-START-DATE
                    ELSE
                        COMPUTE DAY-COUNT FROM COVERAGE-START-DATE TO
                            COVERAGE-END-DATE
                        COMPUTE MONTH-COUNT FROM COVERAGE-START-DATE TO
                            SIO-CONTRIB-START-DATE
                    ENDIF
                ADD DAY-COUNT TO TOTAL-COVERD-DAYS
                ADD MONTH-COUNT TO TOTAL-UPGRADE-MONTHS
                GO TO 6040-FOUND-ELIGIBLE-SEGMENT
            ENDIF
        ENDIF
    ENDIF

    CALL 'DATEDIF' USING
        COVERAGE-START-DATE
        COVERAGE-END-DATE

```

```

        DAY-COUNT
ADD DAY-COUNT TO TOTAL-COVERED-DAYS
READ NEXT COVERAGE-PERIODS SEGMENT
IF NO MORE RECORDS
        SET MESSAGE-LINE TO 'ELIGIBLE SEGMENT NOT FOUND'
        GO TO 4999-BAD-ENDING
ELSE
        GO TO 6030-FIND-ELIGIBLE-SEGMENT
ENDIF
6040-FOUND-ELIGIBLE-SEGMENT
        IF PERIOD-START-DATE GREATER THAN COVERAGE-START-DATE
                GO TO 6052-LOAN-ELIGIBILITY
        ENDIF
        READ NEXT COVERAGE-PERIODS SEGMENT
        IF NO MORE RECORDS
                GO TO 6050-LOAN-ELIGIBILITY
        IF EMPLOYER-BIN NOT EQUAL HOLD-BIN
                GO TO 6050-LOAN-ELIGIBILITY
        IF PERIOD-STATUS-CODE NOT EQUAL 53, 58, OR 59
                GO TO 6050-LOAN ELIGIBILITY
        IF PERIOD-START-DATE GREATER THAN COVERAGE-START-DATE
                COMPUTE DAY-COUNT FROM PERIOD-START-DATE TO COVERAGE-
                END-DATE
                COMPUTE MONTH-COUNT FROM PERIOD-START-DATE TO COVERAGE-
                END-DATE
        ELSE
                COMPUTE DAY-COUNT FROM COVERAGE-START-DATE TO COVERAGE-

```

```

        END-DATE
        COMPUTE MONTH-COUNT FROM COVERAGE-START-DATE TO COVERAGE-
        END-DATE
    ENDIF
    ADD DAY-COUNT TO TOTAL-COVERED-DAYS
    ADD MONTH-COUNT TO TOTAL-UPGRADE-MONTHS
    GO TO 6040-FOUND--ELIGIBLE--SEGMENT
6050-LOAN-ELIGIBILITY
    MOVE COVERAGE-START-DATE TO TRANS-START
    SET LOAN-FLAG TO 'YES'
    IF DOB GREATER THAN 4/1/34
        SET LOAN-FLAG TO 'NO'
    ENDIF
    CALL 'DATEDIF' USING
        DOB
        APPLICATION-DATE
        WS-AGE
    DIVIDE WS-AGE BY 365 ROUNDED UP
    DIVIDE TOTAL-COVERED-DAYS BY 365 GIVING COVERED-YEARS
    IF WE-AGE NOT LESS THAN 60
        IF COVERED-YEARS LESS THAN 9
            SET LOAN-FLAG TO 'NO'
        ENDIF
    ELSE
        IF COVERED-YEARS LESS THAN 19
            SET LOAN-FLAG TO 'NO'
        ENDIF
    ENDIF
ENDIF

```

6068-ELIGIBLE

IF LOAN-FLAG = 'YES'

SET MESSAGE-LINE TO 'ELIGIBLE FOR PURCHASE AND LOAN'

ELSE

SET MESSAGE-LINE TO 'ELIGIBLE FOR PURCHASE WITHOUT LOAN'

ENDIF

MOVE DATA TO TRANSACTION-RECORD

SET TRANSACTION STATUS-CODE TO 'READY FOR AUDIT'

SET TRANS-RECORD-COUNT TO 9999

CALL 'CBLTDLI' USING

INSERT

TRANSACTION-PCB

TRANS-SSA

SET COM-PROGRAM-STATE TO ZERO

GO TO 9999-SEND-SCREEN

9999-SEND-SCREEN

EXEC CICS SEND

MAPSET (ECCSODD5)

MAP (ECCS125)

FROM (MAP-AREA)

END-EXEC

9999-TERMINATE

EXEC CICS RETURN

TRANS-ID (COM-TRANS-ID)

COMMAREA (DFHCOMAREA)

LENGTH (COM-LENGTH)

END-EXEC

9999-BAD-ENDING

EXEC CICS SEND

FROM (MESSAGE-LINE)

LENGTH (79)

END-EXEC

SET COM-TRAN-ID TO 9999

GO TO 999-TERMINATE

PROGRAM DESCRIPTION FORM

System: Coverage Date f.c.: 29 July 1984
Subsystem: Law 79, Public Sector Date l.u.: 29 July 1984
Function: Auditor Processing Phase: 2
Program: ECCP100, Auditor Processing Driver
CICS Trans ID: C100
Author: MJO

Description:

The Auditor Processing Driver Program will display an initial screen to the auditor requesting the identifier of the transaction to be audited. The program will then edit the transaction identifier, retrieve the transaction record from the Coverage Transaction Data Base, insure the transaction is in a valid audit status, determine the appropriate audit processing program and transfer control to the processing program.

Upon return from the processing program, this program will display audit results, and provide the auditor with PF key selections for further audit or return to higher level drivers.

INPUT:

Screen: Coverage Audit Transaction Selection Screen

Files: Coverage Transaction Data Base

OUTPUT:

Screen: Coverage Audit Transaction Selection Screen

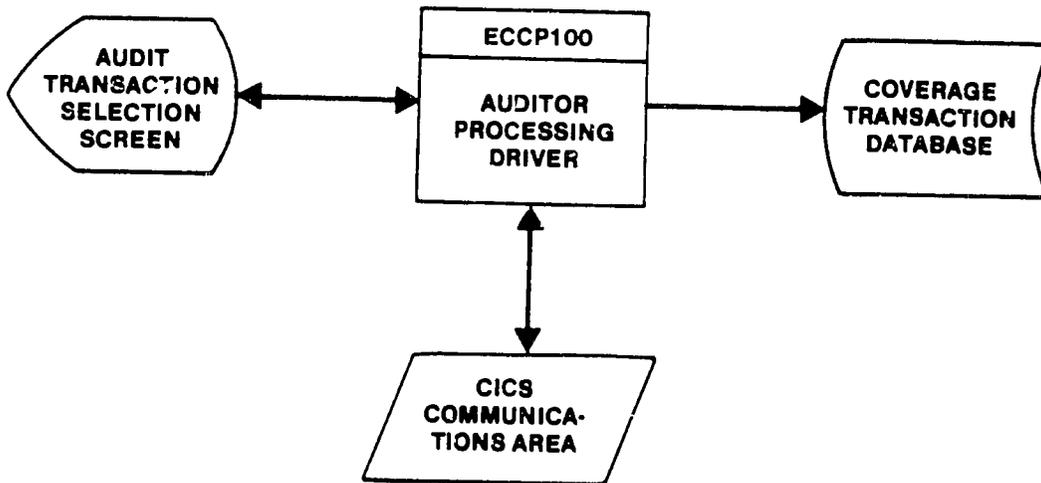
Note: The Coverage Transaction segment is transferred to the audit processing modules via the COMMAREA

INTERFACE:

Invoked by: ECOP050 Coverage System Driver

Transfers to: ECOP050 Coverage System Driver
ECCP110 Audit Coverage Application
ECCP120 Audit Coverage Change
ECCP130 Audit Coverage Termination
ECCP140 Audit Purchase Periods
ECCP150 Audit Upgrade Periods

**PROGRAM I/O DIAGRAM
AUDITOR PROCESSING DRIVER**



4.1 PROCESS CONTROL

EXEC CICS RECEIVE

MAP (COM-PANEL)

MAPSET (COM-PANEL-SET)

END-EXEC

IF COM-PROGRAM-STATE EQUAL TO ZERO

PERFORM 0100-INITIATE-AUDIT

ENDIF

IF COM-PROGRAM-STATE EQUAL 1

IF PF KEY INDICATES CANCEL

MOVE 'AUDIT CANCELLED' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

ELSE

PERFORM 1000-EDIT-INPUT

SET COM-PROGRAM-STATE TO 2

PERFORM 1200-DETERMINE-PROCESS-PGM

ENDIF

ENDIF

IF COM-PROGRAM-STATE EQUAL TO 2

SET COM-PROGRAM-STATE TO ZERO

MOVE COMPLETION MESSAGE TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

ENDIF

0100-INITIATE-AUDIT SECTION

SET COM-PROGRAM-STATE TO 1

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

```
MAP (COM-PANEL)
FREEKB
ERASE
MAPONLY
CURSOR
END-EXEC
PERFORM 9000-BASIC-RETURN
```

1000-EDIT-INPUT SECTION

```
IF TRANSACTION-ID LENGTH GREATER THAN ZERO
```

```
IF TRANSACTION-ID NUMERIC
```

```
PERFORM 1100-GET-TRANSACTION
```

```
ELSE
```

```
MOVE CURSOR TO TRANSACTION-ID LENGTH
```

```
SET TRANSACTION-ID ATTRIBUTE
```

```
MOVE 'TRANSACTION-ID INVALID' TO MSG-LINE2
```

```
PERFORM 3000-RESEND-SCREEN
```

```
ENDIF
```

```
ELSE
```

```
MOVE CURSOR TO TRANSACTION-ID LENGTH
```

```
SET TRANSACTION-ID ATTRIBUTE BYTE
```

```
MOVE 'TRANSACTION-ID IS MANDATORY ITEM' TO MSG-LINE2
```

```
PERFORM 3000-RESEND-SCREEN
```

```
ENDIF
```

```
ENDIF
```

1100-GET-TRANSACTION SECTION

```
GET TRANSACTION SEGMENT
```

```
IF SEGMENT NOT FOUND
```

```

        MOVE CURSOR TO TRANSACTION-ID LENGTH
        SET TRANSACTION-ID ATTRIBUTE
        MOVE 'TRANSACTION SEGMENT NOT FOUND' TO MSG-LINE2
        PERFORM 3000-RESEND-SCREEN
    ELSE
        MOVE TRANSACTION SEGMENT TO COMMAREA
    ENDIF

1200-DETERMINE-PROCESS-PGM SECTION
    IF TRANSACTION-TYPE EQUALS 'A' (NEW APPLICATION)
        MOVE 'ECCP110' TO COM-DESTIN-PROG
    ELSE
        IF TRANSACTION-TYPE EQUALS 'C' (COVERAGE CHANGE)
            MOVE 'ECCP120' TO COM-DESTIN-PROG
        ELSE
            IF TRANSACTION-TYPE EQUALS 'T' (COVERAGE TERMINATION)
                MOVE 'ECCP130' TO COM-DESTIN-PGM
            ELSE
                IF TRANSACTION-TYPE EQUALS 'P' (PURCHASE PERIODS)
                    MOVE 'ECCP140' TO COM-DESTIN-PGM
                ELSE
                    IF TRANSACTION-TYPE EQUALS 'U' (UPGRADE PERIODS)
                        MOVE 'ECCP150' TO COM-DESTIN-PGM
                    ENDIF
                ENDIF
            ENDIF
        ENDIF
    ENDIF

EXEC CICS XCTL
    PROGRAM (COM-DESTIN-PROG)
    COMMAREA (DFHCOMMAREA-W)
    LENGTH (COM-LENGTH)

```

END-EXEC

3000-RESEND-SCREEN SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

CURSOR

END-EXEC

PERFORM 9000-BASIC RETURN

9000-BASIC-RETURN SECTION

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION FORM

System: Coverage Date f.c.: 29 July 1984
Subsystem: Law 79, Public Sector Date l.u.: 29 Aug 1984
Function: Auditor Processing Phase: 2
Program: ECCP110, Audit Coverage Application
CICS Trans ID: C110
Author: SAK/MJO

Description:

The Coverage Application Audit Program will display the selected transaction for the auditor. The auditor may then approve the transaction, reject the transaction, place it in hold status, assign the transaction to investigation status, or modify the transaction. If the auditor modifies the transaction, this program will first ensure that all variables entered on the Coverage Application Screen are valid. For coded variables the code description will be retrieved from the appropriate table and displayed in the output screen. The applicant is then checked for eligibility according to the rules defined in the Schedule of Coverage for Law 79.

During the edit/eligibility checking process, error correction will be facilitated by means of highlighted fields and accompanying error messages. Once the auditor enters the modify transaction mode, program status checks will maintain the program within the edit/eligibility process until the auditor either indicates a disposition action (i.e., accept, reject, investigate, hold) for an error free transaction, or cancels the current operation.

The Coverage Application Contribution Calculation Section will calculate the contribution required for each type of insurance the applicant is eligible for according to the Schedule of Contributions for Law 79.

Upon completion of processing, the transaction will be written to the Coverage Transaction Data Base with any modifications made by the auditor and with an updated transaction status code. Additionally, approved transactions will be passed to the database update section, where appropriate modifications, additions and deletions will be made to the Individual, Coverage, and Billing databases.

INPUT:

Files: Employer, Coverage, Billing, Tables Data Bases

Screens: Coverage Application Screen

Note: Transaction, Individual, Coverage Root and current Coverage Period segments are received via COMMAAREA

OUTPUT:

File: Audited Coverage Transaction File record
Individual, Coverage, Billing Data Bases
(approved transactions only)

Screens: Coverage Application Screen

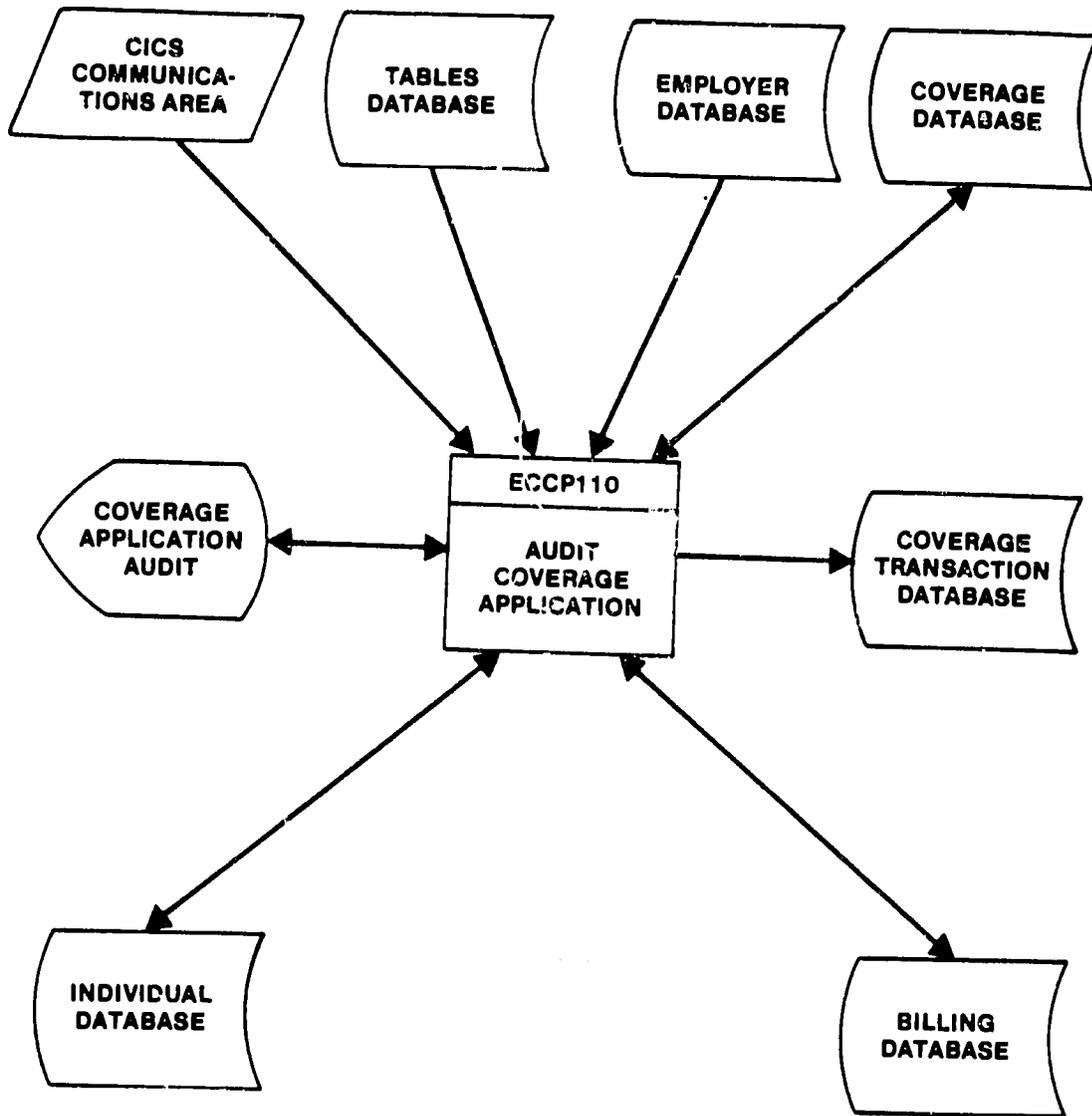
INTERFACE:

Invoked by: ECCP100 Auditor Processing Driver

Transfers to: ECCP100 Auditor Processing Driver

Standard Modules:

**PROGRAM I/O DIAGRAM
AUDIT COVERAGE APPLICATION**



4.1 PROCESS CONTROL

EXEC CICS RECEIVE

MAP (COM-PANEL)

MAPSET (COM-PANEL-SET)

END-EXEC

IF COM-PROGRAM-STATE EQUAL TO ZERO

PERFORM 0100-INITIATE-AUDIT

ENDIF

IF COM-PROGRAM-STATE EQUAL TO 1

IF PF KEY INDICATES APPROVAL

PERFORM 4000-APPROVED-TRANS

ELSE

IF PF KEY INDICATES REJECTION

PERFORM 5000-REJECTED-TRANS

ELSE

IF PF KEY INDICATES HOLD

PERFORM 6000-HOLD-TRANS

ELSE

IF PF KEY INDICATES INVESTIGATE

PERFORM 7000-INVEST-TRANS

ELSE

IF PF KEY INDICATES CANCEL

PERFORM 8000-CANCEL-AUDIT

ELSE

IF PF KEY INDICATES MODIFY

SET COM-PROGRAM-STATE TO 2

PERFORM 1000-EDIT-INPUT

PERFORM 1100-COMPUTE-VARIABLES

```

        PERFORM 1200-CHECK-ELIGIBILITY
        SET COM-PROGRAM-STATE TO 1
        PERFORM 3000-RESEND-SCREEN
    ELSE
        MOVE 'INVALID KEY SELECTION' TO MSG-LINE2
        PERFORM 3000-RESEND SCREEN
    ENDIF
ENDIF
IF COM-PROGRAM-STATE EQUAL TO 2
    IF PF KEY INDICATES CANCEL
        PERFORM 8000-CANCEL-AUDIT
    ELSE
        PERFORM 1000-EDIT-INPUT
        PERFORM 1100-COMPUTE-VARIABLES
        PERFORM 1200-CHECK-ELIGIBILITY
        SET COM-PROGRAM-STATE TO 1
        PERFORM 3000-RESEND-SCREEN
    ENDIF
ENDIF
0100-INITIATE-AUDIT SECTION
MOVE TRANSACTION RECORD DATA FIELDS TO MAP
IF TRANS-STATUS EQUAL HOLD OR INVESTIGATION
    GET INDIVIDUAL RECORD
    IF SOFT LOCK NOT SET ON
        SET SOFT LOCK ON
        REWRITE INDIVIDUAL RECORD
        PERFORM 1000-EDIT-INPUT
    
```

```

        PERFORM 1100-COMPUTE-VARIABLES
        PERFORM 1200-CHECK-ELIGIBILITY
    ELSE
        MOVE 'INDIVIDUAL RECORD LOCKED BY ANOTHER TRANSACTION'
            TO MSG-LINE2
        SET COM-DESTINATION-PROGRAM TO AUDIT DRIVER
        PERFORM 3000-RESEND-SCREEN
    ENDIF

    SET COM-PROGRAM-STATE TO 1
    PERFORM 3000-RESEND-SCREEN
1000-EDIT-INPUT SECTION
    IF OCCUPATION-CODE LENGTH GREATER THAN ZERO
        PERFORM 4000-OCCUP-CODE-CHECK
        IF OCCUPATION-CODE VALID
            MOVE OCCUPATION-CODE TO COM-CT-OCCUPATION-CODE
        ELSE
            MOVE CURSOR TO OCCUPATION-CODE LENGTH
            SET OCCUPATION-CODE ATTRIBUTE BYTE
            PERFORM 3000-FSET
        ENDIF
    IF APPLICATION-DATE LENGTH GREATER THAN ZERO
        IF APPLICATION-DATE NOT GREATER THAN CURRENT-DATE
            MOVE APPLICATION-DATE TO COM-CT-APPLICATION-DATE
        ELSE
            MOVE CURSOR TO APPLICATION-DATE LENGTH
            SET APPLICATION-DATE ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ENDIF

```

```

IF OCCUPATION-DATE LENGTH GREATER THAN ZERO
    IF OCCUPATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE OCCUPATION-DATE TO COM-CT-OCCUPATION-DATE
    ELSE
        MOVE CURSOR TO OCCUPATION-DATE LENGTH
        SET OCCUPATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
ENDIF
IF MONTHLY-SALARY LENGTH GREATER THAN ZERO
    IF MONTHLY-SALARY NUMERIC AND GREATER THAN ZERO
        MOVE MONTHLY-SALARY TO COM-CT-MONTHLY-SALARY
    ELSE
        MOVE CURSOR TO MONTHLY-SALARY LENGTH
        SET MONTHLY-SALARY ATTRIBUTE
        PERFORM 3000-FSET
ENDIF
IF INCENTIVE LENGTH GREATER THAN ZERO
    IF INCENTIVE NUMERIC AND NOT LESS THAN ZERO
        MOVE INCENTIVE TO COM-CT-INCENTIVE
    ELSE
        MOVE CURSOR TO INCENTIVE LENGTH
        SET INCENTIVE ATTRIBUTE
        PERFORM 3000-FSET
ENDIF
IF CONTRIBUTION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-CONTRIB-CHECK
    IF CONTRIBUTION-CODE VALID
        MOVE CONTRIBUTION-CODE TO COM-CT-CONTRIBUTION-CODE

```

ELSE

MOVE CURSOR TO CONTRIBUTION-CODE LENGTH

SET CONTRIBUTION-CODE ATTRIBUTE BYTE

PERFORM 3000-FSET

ENDIF

IF EMPLOYEE-RELATION-LENGTH GREATER THAN ZERO

IF EMPLOYEE-RELATION EQUAL TO 'Y' OR 'N'

MOVE EMPLOYEE-RELATION TO COM-CT-EMPLOYEE-RELATION

ELSE

MOVE CURSOR TO EMPLOYEE-RELATION LENGTH

SET EMPLOYEE-RELATION ATTRIBUTE BYTE

PERFORM 3000-FSET

ENDIF

IF EMPLOYER-BIN LENGTH GREATER THAN ZERO

GET EMPLOYER SEGMENT

IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'

MOVE CURSOR TO EMPLOYER-BIN LENGTH

SET EMPLOYER-BIN ATTRIBUTE BYTE

MOVE 'EMPLOYER BIN INVALID' TO MSG-LINE2

PERFORM 3000-FSET

ELSE

MOVE EMPLOYER-NAME TO COV-CT-EMPLOYER-NAME, MAP

MOVE EMPLOYER-SECTOR TO COV-CT-EMPLOYER-SECTOR,

MAP

ENDIF

1100-COMPUTE-VARIABLES SECTION

SUBTRACT DATE-OF-BIRTH FROM APPLICATION-DATE GIVING

```

        APPLICANT-AGE
    IF COMMAREA COVERAGE SEGMENTS NOT EQUAL TO SPACES
        CALCULATE LENGTH-OF-CURRENT-PERIOD
        ADD LENGTH-OF-CURRENT-PERIOD, CUMULATIVE-MONTHS GIVING
            COVERED-PERIODS
    ELSE
        SET COVERED-PERIODS TO ZERO
    ENDIF
    MOVE COVERED-PERIODS TO COM-CT-COVERED-PERIODS
    ADD 60, DATE-OF-BIRTH GIVING RETIREMENT-DATE
1200-CHECK-ELIGIBILITY SECTION
    IF EMPLOYER-SECTOR NOT PUBLIC
        MOVE CURSOR TO EMPLOYER-BIN LENGTH
        SET EMPLOYER-BIN ATTRIBUTE
        MOVE 'EMPLOYER SECTOR NOT PUBLIC' TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
    DETERMINE COVERAGE FROM COVERAGE SCHEDULE
3000-RESEND-SCREEN SECTION
    EXEC CICS SEND
        MAPSET (COM-PANEL-SET)
        MAP (COM-PANEL)
        FREEKB
        CURSOR
        END-EXEC
        PERFORM 9000-BASIC RETURN
4000-OCCUP-CODE-CHECK SECTION
    MOVE OCCUPATION-CODE-PREFIX TO TABLE-KEY-PREFIX

```

MOVE OCCUPATION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

MOVE TABLE-DESCRIPTION TO OCCUPATION-DESCRIPTION
OUTPUT FIELD

ELSE

FAIL EDIT

ENDIF

4000-CONTRIB-CHECK SECTION

MOVE CONTRIBUTION-CODE-PREFIX TO TABLE-KEY-PREFIX

MOVE CONTRIBUTION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

PASS EDIT

ELSE

FAIL EDIT

ENDIF

4000-APPROVED-TRANS SECTION

PERFORM 4200-WRITE-APPROVED TRANS

PERFORM 4300-UPDATE-COVERAGE-DB

4200-WRITE-APPROVED-TRANS SECTION

SET TRANSACTION STATUS-CODE TO APPROVED

MOVE DATE TO TRANSACTION

MOVE AUDITOR SIN TO TRANSACTION

MOVE SCREEN CONTENTS TO TRANSACTION DATA AREA

SUBTRACT 1 FROM COM-HOLD-TRANS-REC-NUM GIVING TRANSACTION

RECORD NUMBER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

4300-UPDATE-COVERAGE-DB SECTION

PERFORM 4310-UPDATE-COV-DB

PERFORM 4400-UPDATE-INDIVIDUAL

PERFORM 4500-UPDATE-BILLING

4310-UPDATE-COV-DB

GET COVERAGE SEGMENT, KEY IS SIN

IF RETURN CODE IS 'SEGMENT FOUND'

MOVE 'APPLICATION - COVERAGE ALREADY EXISTS' TO

MAP-MSG-LINE2

SET COM-DISTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ELSE

PERFORM 4310-BUILD-COVERAGE-SEGMENT

PERFORM 4320-ADD-COVERAGE-SEGMENT

IF RETURN CODE IS ERROR CONDITION

MOVE 'ERROR ADDING COVERAGE SEGMENT' TO

MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ENDIF

ENDIF

4310-BUILD-COVERAGE-SEGMENT SECTION

MOVE COVERAGE-START-DATE TO COVERAGE-ROOT

MOVE ZERO TO CUMULATIVE-MONTHS OF COVERAGE-ROOT

MOVE CURRENT-DATE TO DATE-LAST-ACTIVITY OF

COVERAGE-ROOT

MOVE MONTHLY-SALARY TO SALARY OF SALARY-SEGMENT
MOVE OCCUPATION-DATE TO START-DATE OF SALARY-SEGMENT
MOVE ZERO TO END-DATE OF SALARY-SEGMENT
MOVE MONTHLY-INCENTIVE TO AVERAGE-MONTHLY-INCENTIVE-AMT
OF INCENTIVE-SEGMENT
MOVE OCCUPATION-DATE TO INCENTIVE-START-DATE OF
INCENTIVE-SEGMENT, COVERAGE-PERIOD-SEGMENT
MOVE EMPLOYER-BIN TO COVERAGE-PERIOD-SEGMENT
MOVE 01 TO PERIOD-STATUS-CODE OF COVERAGE-PERIOD-
SEGMENT
MOVE LAW-SECTOR-CODE TO COVERAGE-ROOT, COVERAGE-PERIOD-
SEGMENT

4320-ADD-COVERAGE-SEGMENT SECTION

CALL 'CBLTDLI'

TO ADD APPROPRIATE COVERAGE SEGMENTS

4400-UPDATE-INDIVIDUAL SECTION

GET INDIVIDUAL RECORD, KEY IS SIN

IF RETURN CODE IS 'NOT FOUND'

MOVE 'INDIVIDUAL SEGMENT NOT FOUND' TO

MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ELSE

UPDATE DATE-LAST-ACTION AND ACTION-TYPE-CODE

```

SET COVERAGE-FLAG AS APPROPRIATE
SET APPLICABLE-LAW-FLAG AS APPROPRIATE
CALL 'CBLTDLI'.....

    TO REWRITE INDIVIDUAL RECORD
IF RETURN CODE INDICATES ERROR CONDITION
    MOVE 'ERROR REWRITING INDIVIDUAL SEGMENT' TO
        TO MAP-MSG-LINE2
    SET COM-DESTINATION-PGM TO AUDIT-DRIVER
    PERFORM 3000-RESEND-SCREEN
ENDIF

ENDIF

4400-UPDATE-EMPLOYER-BILLING SECTION
    GET BILLING ROOT SEGMENT, KEY IS BIN/SIN
    IF RETURN CODE IS 'SEGMENT NOT FOUND'
        MOVE 'EMPLOYER BILLING SEGMENT NOT FOUND' TO
            TO MAP-MSG-LINE2
        PERFORM 3000-RESEND-SCREEN
    ENDIF

    PERFORM 4410-CALCULATE-CONTRIB
    INCREMENT NUMBER OF EMPLOYEES
    INCREMENT CONTRIBUTION FIELDS
    INCREMENT TOTAL DEDUCTIONS
    INCREMENT TOTAL PAYROLL
    PERFORM 4420-REWRITE-BILL-ROOT
    IF RETURN CODE IS ERROR CONDITION
        MOVE 'ERROR REWRITING BILLING ROOT' TO
            MAP-MSG-LINE2
    ELSE

```

PERFORM 4430-ADD-XREF-SEGMENT

IF RETURN CODE IS ERROR CONDITION

MOVE 'ERROR ADDING BILLING XREF SEG'

TO MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ENDIF

ENDIF

4410-CALCULATE-CONTRIB SECTION

CALCULATE CONTRIBUTION ACCORDING TO APPROPRIATE LAW 79

CONTRIBUTION SCHEDULE

4420-REWRITE-BILL-ROOT SECTION

CALL 'CBLTDLI'

TO REWRITE BILLING ROOT SEGMENT

4430-ADD-XREF-SEGMENT SECTION

CALL 'CBLTDLI'

TO ADD CROSS-REFERENCE SEGMENT

5000-REJECTED-TRANS SECTION

SET TRANS-STATUS-CODE TO REJECT

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA

SET COM-DESTINATION-PGM TO AUDIT DRIVER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

MOVE 'TRANSACTION REJECTED' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

6000-HOLD-TRANS SECTION

SET TRANS-STATUS-CODE TO HOLD
MOVE DATE TO TRANSACTION
SUBTRACT 1 FROM COM-HOLD-REC-NUM
MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER
MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA
SET COM-DESTINATION-PGM TO AUDIT DRIVER
WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE
MOVE 'TRANSACTION PLACED ON HOLD' TO MSG-LINE2
PERFORM 3000-RESEND-SCREEN

7000-INVEST-TRANS SECTION

SET TRANS-STATUS-CODE TO INVESTIGATION
MOVE DATE TO TRANSACTION
SUBTRACT 1 FROM COM-HOLD-REC-NUM
MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER
MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA
SET COM-DESTINATION-PGM TO AUDIT DRIVER
WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE
MOVE 'TRANSACTION PLACED IN INVESTIGATION' TO MSG-LINE2
PERFORM 3000-RESEND-SCREEN

8000-CANCEL-AUDIT SECTION

SET COM-DESTINATION-PGM TO AUDIT DRIVER
MOVE 'AUDIT CANCELLED' TO MSG-LINE2
PERFORM 3000-RESEND-SCREEN

9000-BASIC-RETURN SECTION

EXEC CICS RETURN
 TRANSID (COM-TRAN-ID)
 COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION FORM

System: Coverage Date f.c.: 29 July 1984
Subsystem: Law 79, Public Sector Date l.u.: 29 July 1984
Function: Auditor Processing Phase: 2
Program: ECCP120, Audit Coverage Change
CICS Trans ID: C120
Author: SAK/MJO

Description:

The Audit Coverage Change program will display a selected change transaction to the auditor. The auditor may then approve the transaction, reject it, place it in hold status, or assign the transaction for investigation or modify the transaction. The Coverage Edit/Eligibility Check sections will ensure that all variables entered on the Coverage Change Screen are valid. For coded variables the code description will be retrieved from the appropriate table and displayed on the output screen. The applicant is then checked for eligibility according to the rules defined in the Schedule of Coverage for Law 79.

During the edit/eligibility checking process, error correction will be facilitated by means of highlighted fields and accompanying error messages. Once the auditor enters the modify transaction mode, program status checks will maintain the program within the edit/eligibility process until the auditor either indicates a disposition action (i.e., acceptance, rejection, hold, investigation) for an error-free transaction or cancels the current operation.

The Coverage Contribution Calculation Section will calculate the contribution required for each type of insurance the applicant is eligible for according to the Schedule of Contributions.

Upon completion of audit processing, the audited transaction is written to the Coverage Transaction Data Base. Additionally, approved transactions are passed to the database update section where appropriate modifications and additions are made to the Individual, Coverage and Billing databases.

INPUT:

Files: Employer, Coverage, Billing, Tables Data Bases

Note: Transaction, Individual, Coverage Root and Coverage
Period segments are passed to this module via the
COMMAREA

Screens: Coverage Change

OUTPUT:

Files: Transaction File Record
Individual, Coverage, Billing Data Bases
(approved transactions only)

Screens: Coverage Change

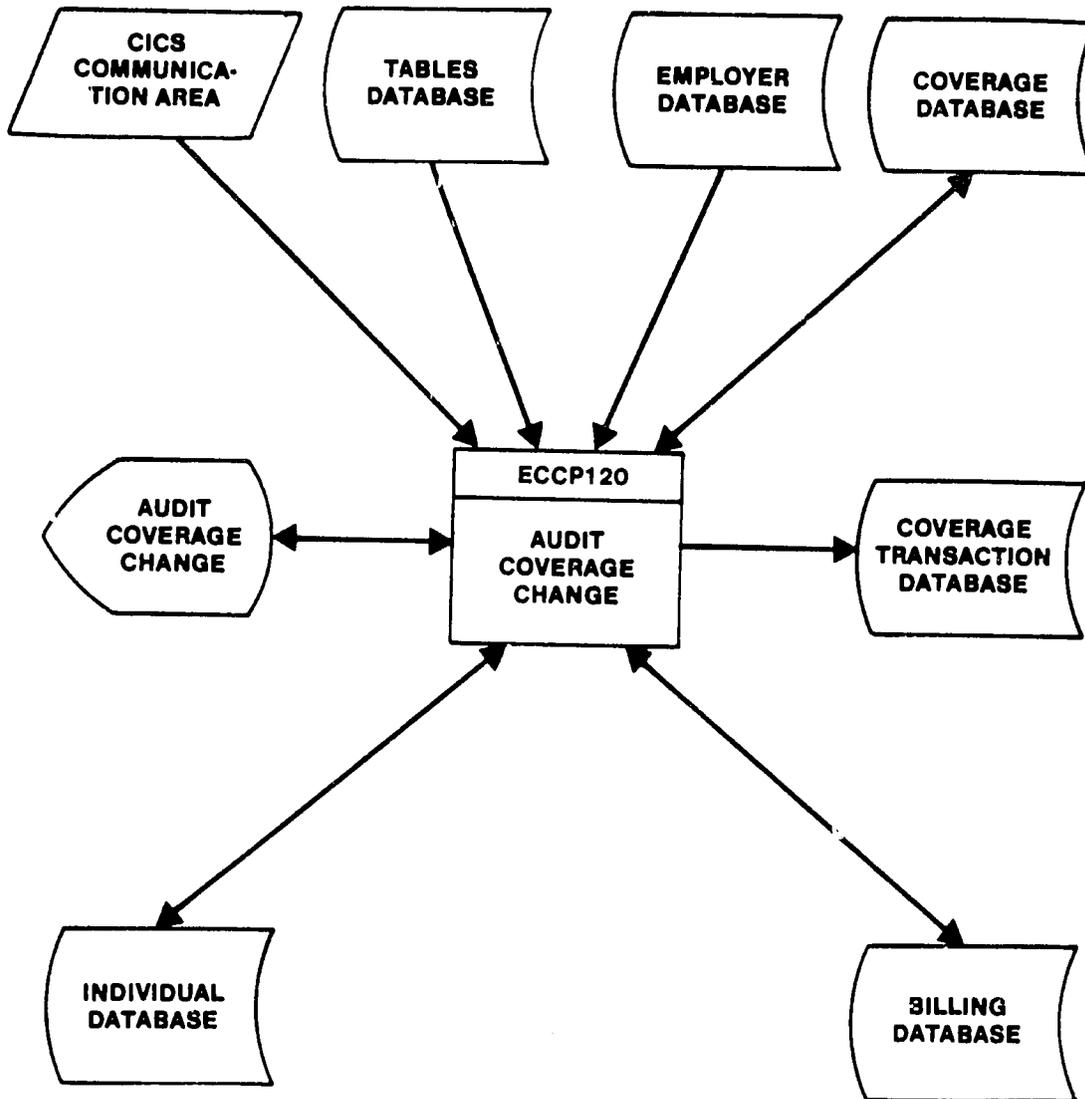
INTERFACE:

Invoked by: ECCP100 Auditor Processing Driver

Transfers to: ECCP100 Auditor Processing Driver

Standard Modules:

**PROGRAM I/O DIAGRAM
AUDIT COVERAGE CHANGE**



4.1 PROCESS CONTROL

EXEC CICS RECEIVE

MAP (COM-PANEL)

MAPSET (COM-PANEL-SET)

END-EXEC

IF COM-PROGRAM-STATE EQUAL TO ZERO

PERFORM 0100-INITIATE-AUDIT

ENDIF

IF COM-PROGRAM-STATE EQUAL TO 1

IF PF KEY INDICATES APPROVAL

PERFORM 4000-APPROVED-TRANS

ELSE

IF PF KEY INDICATES REJECTION

PERFORM 5000-REJECTED-TRANS

ELSE

IF PF KEY INDICATES HOLD

PERFORM 6000-HOLD-TRANS

ELSE

IF PF KEY INDICATES INVESTIGATE

PERFORM 7000-INVEST-TRANS

ELSE

IF PF KEY INDICATES CANCEL

PERFORM 8000-CANCEL-AUDIT

ELSE

IF PF KEY INDICATES MODIFY

SET COM-PROGRAM-STATE TO 2

SET EDITSW TO ZERO

PERFORM 1000-EDIT-INPUT

PERFORM 1100-COMPUTE-VARIABLES

PERFORM 1200-CHECK-ELIGIBILITY

PERFORM 3000-RESEND-SCREEN

ELSE

MOVE 'INVALID KEY SELECTION' TO MSG-LINE2

PERFORM 3000-RESEND SCREEN

ENDIF

ENDIF

IF COM-PROGRAM-STATE EQUAL TO 2

IF PF KEY INDICATES CANCEL

PERFORM 8000-CANCEL-AUDIT

ELSE

PERFORM 1000-EDIT-INPUT

PERFORM 1100-COMPUTE-VARIABLES

PERFORM 1200-CHECK-ELIGIBILITY

MOVE 1 TO COM-PROGRAM-STATE

PERFORM 3000-RESEND-SCREEN

ENDIF

ENDIF

0100-INITIATE-AUDIT SECTION

MOVE TRANSACTION RECORD DATA FIELDS TO MAP

IF TRANS-STATUS EQUAL HOLD OR INVESTIGATION

GET INDIVIDUAL RECORD

IF SOFT LOCK NOT SET ON

SET SOFT LOCK ON

REWRITE INDIVIDUAL RECORD

PERFORM 1000-EDIT-INPUT

```

        PERFORM 1100-COMPUTE-VARIABLES
        PERFORM 1200-CHECK-ELIGIBILITY
ELSE
        MOVE 'INDIVIDUAL RECORD LOCKED BY ANOTHER TRANSACTION'
            TO MSG-LINE2
        SET COM-DESTINATION-PROGRAM TO AUDIT DRIVER
        PERFORM 3000-RESEND-SCREEN
ENDIF
SET COM-PROGRAM-STATE TO 1
PERFORM 3000-RESEND-SCREEN
1000-EDIT-INPUT SECTION
IF OCCUPATION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-OCCUP-CODE-CHECK
    IF OCCUPATION-CODE VALID
        MOVE OCCUPATION-CODE TO COM-CT-OCCUPATION-CODE
    ELSE
        MOVE CURSOR TO OCCUPATION-CODE LENGTH
        SET OCCUPATION-CODE ATTRIBUTE BYTE
        PERFORM 3000-FSET
ENDIF
IF APPLICATION-DATE LENGTH GREATER THAN ZERO
    IF APPLICATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE APPLICATION-DATE TO COM-CT-APPLICATION-DATE
    ELSE
        MOVE CURSOR TO APPLICATION-DATE LENGTH
        SET APPLICATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
ENDIF

```

```

IF OCCUPATION-DATE LENGTH GREATER THAN ZERO
    IF OCCUPATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE OCCUPATION-DATE TO COM-CT-OCCUPATION-DATE
    ELSE
        MOVE CURSOR TO OCCUPATION-DATE LENGTH
        SET OCCUPATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
ENDIF

IF MONTHLY-SALARY LENGTH GREATER THAN ZERO
    IF MONTHLY-SALARY NUMERIC AND GREATER THAN ZERO
        MOVE MONTHLY-SALARY TO COM-CT-MONTHLY-SALARY
    ELSE
        MOVE CURSOR TO MONTHLY-SALARY LENGTH
        SET MONTHLY-SALARY ATTRIBUTE
        PERFORM 3000-FSET
ENDIF

IF INCENTIVE LENGTH GREATER THAN ZERO
    IF INCENTIVE NUMERIC AND NOT LESS THAN ZERO
        MOVE INCENTIVE TO COM-CT-INCENTIVE
    ELSE
        MOVE CURSOR TO INCENTIVE LENGTH
        SET INCENTIVE ATTRIBUTE
        PERFORM 3000-FSET
ENDIF

IF CONTRIBUTION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-CONTRIB-CHECK
    IF CONTRIBUTION-CODE VALID
        MOVE CONTRIBUTION-CODE TO COM-CT-CONTRIBUTION-CODE
    
```

```

ELSE
    MOVE CURSOR TO CONTRIBUTION-CODE LENGTH
    SET CONTRIBUTION-CODE ATTRIBUTE BYTE
    PERFORM 3000-FSET
ENDIF

IF RETIREMENT-AGE LENGTH GREATER THAN ZERO
    IF RETIREMENT-AGE NUMERIC AND GREATER THAN 59
        MOVE RETIREMENT-AGE TO COM-CT-RETIREMENT-AGE
    ELSE
        MOVE CURSOR TO RETIREMENT-AGE LENGTH
        SET RETIREMENT-AGE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF

IF WORK-EXTENSION-DECREE-NUMBER LENGTH GREATER THAN ZERO
    IF WORK-EXTENSION-DECREE-NUMBER NUMERIC
        MOVE WORK-EXTENSION-DECREE-NUMBER TO COM-CT-
            WORK-EXTENSION-DECREE-NUMBER
    ELSE
        MOVE CURSOR TO WORK-EXTENSION-DECREE-NUMBER LENGTH
        SET WORK-EXTENSION-DECREE-NUMBER ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF

IF WORK-EXTENSION-DATE LENGTH GREATER THAN ZERO
    IF WORK-EXTENSION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE WORK-EXTENSION-DATE TO COM-CT-WORK-EXTENSION-
            DATE
    ELSE

```

MOVE CURSOR TO WORK-EXTENSION-DATE LENGTH
SET WORK-EXTENSION-DATE ATTRIBUTE
PERFORM 3000-FSET

ENDIF

IF PERIOD-OF-EXTENSION LENGTH GREATER THAN ZERO

IF PERIOD-OF-EXTENSION NUMERIC

MOVE PERIOD-OF-EXTENSION TO COM-CT-PERIOD-OF-
EXTENSION

ELSE

MOVE CURSOR TO PERIOD-OF-EXTENSION LENGTH
SET PERIOD-OF-EXTENSION ATTRIBUTE
PERFORM 3000-FSET

ENDIF

IF EMPLOYEE-RELATION LENGTH GREATER THAN ZERO

IF EMPLOYEE-RELATION EQUAL TO 'Y' OR 'N'

MOVE EMPLOYEE-RELATION TO COM-CT-EMPLOYEE-RELATION

ELSE

MOVE CURSOR TO EMPLOYEE-RELATION LENGTH
SET EMPLOYEE-RELATION ATTRIBUTE BYTE
PERFORM 3000-FSET

ENDIF

ENDIF

1100-COMPUTE-VARIABLES SECTION

SUBTRACT DATE-OF-BIRTH FROM APPLICATION-DATE GIVING
APPLICANT-AGE

CALCULATE CURRENT-PERIOD-COVERAGE

ADD CURRENT-PERIOD-COVERAGE, CUMULATIVE-MONTHS GIVING
COVERED-PERIODS

```

MOVE COVERED-PERIODS TO COM-CT-COVERED-PERIODS
ADD RETIREMENT-AGE, DATE-OF-BIRTH GIVING RETIREMENT-DATE
1200-CHECK-ELIGIBILITY SECTION
MOVE EMPLOYER-NAME TO COM-CT-EMPLOYER-NAME
IF EMPLOYER-SECTOR NOT PUBLIC
    MOVE CURSOR TO EMPLOYER-BIN LENGTH
    SET EMPLOYER-BIN ATTRIBUTE
    MOVE 'EMPLOYER SECTOR NOT PUBLIC' TO MSG-LINE2
    PERFORM 3000-FSET
ENDIF
DETERMINE ELIGIBILITY ACCORDING TO COVERAGE SCHEDULE

3000-RESEND-SCREEN SECTION
EXEC CICS SEND
    MAPSET (COM-PANEL-SET)
    MAP (COM-PANEL)
    FREEKB
    CURSOR
    END-EXEC
    PERFORM 9000-BASIC RETURN

4000-OCCUP-CODE-CHECK SECTION
MOVE OCCUPATION-CODE-PREFIX TO TABLE-KEY-PREFIX
MOVE OCCUPATION-CODE TO TABLE-KEY-VALUE
GET TABLES DATABASE RECORD
    IF FOUND
        MOVE TABLE-DESCRIPTION TO OCCUPATION-DESCRIPTION
        OUTPUT FIELD
    ELSE

```

FAIL EDIT

ENDIF

4000-CONTRIB-CHECK SECTION

MOVE CONTRIBUTION-CODE-PREFIX TO TABLE-KEY-PREFIX

MOVE CONTRIBUTION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

PASS EDIT

ELSE

FAIL EDIT

ENDIF

4000-APPROVED-TRANS SECTION

PERFORM 4200-WRITE-APPROVED TRANS

PERFORM 4300-UPDATE-COVERAGE-DB

4200-WRITE-APPROVED-TRANS SECTION

SET TRANSACTION STATUS-CODE TO APPROVED

MOVE DATE TO TRANSACTION

MOVE AUDITOR SIN TO TRANSACTION

MOVE SCREEN CONTENTS TO TRANSACTION DATA AREA

SUBTRACT 1 FROM COM-HOLD-TRANS-REC-NUM GIVING TRANSACTION
RECORD NUMBER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

4300-UPDATE-COVERAGE-DB SECTION

PERFORM 4310-UPDATE-COV-DB

PERFORM 4400-UPDATE-INDIVIDUAL

PERFORM 4500-UPDATE-BILLING

4310-UPDATE-COV-DB

```

GET COVERAGE ROOT SEGMENT, KEY IS SIN
IF RETURN CODE IS 'SEGMENT NOT FOUND'
    MOVE 'NO COVERAGE SEGMENT EXISTS' TO
        MAP-MSG-LINE2
    SET COM-DISTINATION-PGM TO AUDIT DRIVER
    PERFORM 3000-RESEND-SCREEN
ELSE
    PERFORM 4310-BUILD-COVERAGE-SEGMENT
        IF RETURN CODE IS ERROR CONDITION
            MOVE 'ERROR ADDING COVERAGE SEGMENT' TO
                MAP-MSG-LINE2
            SET COM-DESTINATION-PGM TO AUDIT DRIVER
            PERFORM 3000-RESEND-SCREEN
        ENDIF
    ENDIF
4310-BUILD-COVERAGE-SEGMENT SECTION
GET COVERAGE PERIOD SEGMENT
IF TRANSACTION EMPLOYER-BIN EQUAL SEGMENT EMPLOYER-BIN
    NEXT SENTENCE
ELSE
    IF SEGMENT NOT TERMINATED
        MOVE 'OLD EMPLOYER MUST BE TERMINATED' TO
            MSG-LINE2
        SET DOM-DESTINATION-PGM TO AUDIT DRIVER
        PERFORM 3000-RESEND-SCREEN
    ENDIF
ENDIF

```

```

MOVE TRANSACTION FIELDS TO COVERAGE ROOT
GET SALARY SEGMENT
IF TRANSACTION EMPLOYER-BIN EQUAL TO SEGMENT EMPLOYER-
    BIN
    IF TRANSACTION SALARY NOT EQUAL TO SEGMENT SALARY
        CALCULATE SALARY VARIANCE
        SET SALARY SWITCH TO VARIANCE
    ELSE
        SET SALARY SWITCH TO NO CHANGE
    ENDIF
ELSE
    SET INCENTIVE SWITCH ON
    SET SALARY SWITCH TO NEW EMPLOYER
ENDIF
MOVE CURRENT-DATE TO DATE-LAST-ACTIVITY OF
    COVERAGE-ROOT
MOVE MONTHLY-SALARY TO SALARY OF SALARY-SEGMENT
MOVE OCCUPATION-DATE TO START-DATE OF SALARY-SEGMENT
MOVE ZERO TO END-DATE OF SALARY-SEGMENT
MOVE MONTHLY-INCENTIVE TO AVERAGE-MONTHLY-INCENTIVE-AMT
    OF INCENTIVE-SEGMENT
MOVE COVERAGE-START-DATE TO INCENTIVE-START-DATE OF
    OF INCENTIVE-SEGMENT
CALL 'CBLTDLI' ....
    TO REWRITE COVERAGE ROOT
CALL 'CBLTDLI' ...
    TO ADD COVERAGE PERIOD SEGMENT
IF SALARY SWITCH ON

```

```
        CALL 'CBLTDLI' .....
            TC ADD SALARY SEGMENT
        ENDIF
    IF INCENTIVE SWITCH ON
        CALL 'CBLTDLI' ....
            TO ADD INCENTIVE SEGMENT
    ENDIF
```

4400-UPDATE-INDIVIDUAL SECTION

```
    GET INDIVIDUAL RECORD, KEY IS SIN
    IF RETURN CODE IS 'NOT FOUND'
        MOVE 'INDIVIDUAL SEGMENT NOT FOUND' TO
            MAP-MSG-LINE2
        SET COM-DESTINATION-PGM TO AUDIT DRIVER
        PERFORM 3000-RESEND-SCREEN
    ELSE
        UPDATE DATE-LAST-ACTION AND ACTION-TYPE-CODE
        SET COVERAGE-FLAG AS APPROPRIATE
        SET APPLICABLE-LAW-FLAG AS APPROPRIATE
        CALL 'CBLTDLI'.....
            TO REWRITE INDIVIDUAL RECORD
        IF RETURN CODE INDICATES ERROR CONDITION
            MOVE 'ERROR REWRITING INDIVIDUAL SEGMENT' TO
                TO MAP-MSG-LINE2
            SET COM-DESTINATION-PGM TO AUDIT-DRIVER
            PERFORM 3000-RESEND-SCREEN
        ENDIF
    ENDIF
```

4400-UPDATE-EMPLOYER-BILLING SECTION

GET BILLING ROOT SEGMENT, KEY IS BIN/SIN

IF RETURN CODE IS 'SEGMENT NOT FOUND'

MOVE 'EMPLOYER BILLING SEGMENT NOT FOUND' TO
TO MAP-MSG-LINE2

PERFORM 3000-RESEND-SCREEN

ENDIF

PERFORM 4410-CALCULATE-CONTRIB

INCREMENT NUMBER OF EMPLOYEES

INCREMENT CONTRIBUTION FIELDS

INCREMENT TOTAL DEDUCTIONS

INCREMENT TOTAL PAYROLL

PERFORM 4420-REWRITE-BILL-ROOT

IF RETURN CODE IS ERROR CONDITION

MOVE 'ERROR REWRITING BILLING ROOT' TO
MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ELSE

PERFORM 4430-ADD-XREF-SEGMENT

IF RETURN CODE IS ERROR CONDITION

MOVE 'ERROR ADDING BILLING XREF SEG'
TO MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ENDIF

ENDIF

4410-CALCULATE-CONTRIB SECTION

NOTE: IF SALARY SWITCH IS SET TO VARIANCE VALUE,
CALCULATE CONTRIBUTION BASED ON DIFFERENCE
BETWEEN OLD AND NEW SALARY; OTHERWISE,
CALCULATE ON NEW SALARY AMOUNT

CALCULATE CONTRIBUTIONS AS SHOWN IN LAW 79 CONTRIBUTION
SCHEDULE

4420-REWRITE-BILL-ROOT SECTION

CALL 'CBLTDLI'

TO REWRITE BILLING ROOT SEGMENT

4430-ADD-XREF-SEGMENT SECTION

CALL 'CBLTDLI'

TO ADD CROSS-REFERENCE SEGMENT

5000-REJECTED-TRANS SECTION

SET TRANS-STATUS-CODE TO REJECT

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA

SET COM-DESTINATION-PGM TO AUDIT DRIVER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

MOVE 'TRANSACTION REJECTED' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

6000-HOLD-TRANS SECTION

SET TRANS-STATUS-CODE TO HOLD

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA
SET COM-DESTINATION-PGM TO AUDIT DRIVER
WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE
MOVE 'TRANSACTION PLACED ON HOLD' TO MSG-LINE2
PERFORM 3000-RESEND-SCREEN

7000-INVEST-TRANS SECTION

SET TRANS-STATUS-CODE TO INVESTIGATION
MOVE DATE TO TRANSACTION
SUBTRACT 1 FROM COM-HOLD-REC-NUM
MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER
MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA
SET COM-DESTINATION-PGM TO AUDIT DRIVER
WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE
MOVE 'TRANSACTION PLACED IN INVESTIGATION' TO MSG-LINE2
PERFORM 3000-RESEND-SCREEN

8000-CANCEL-AUDIT SECTION

SET COM-DESTINATION-PGM TO AUDIT DRIVER
MOVE 'AUDIT CANCELLED' TO MSG-LINE2
PERFORM 3000-RESEND-SCREEN

9000-BASIC-RETURN SECTION

EXEC CICS RETURN
 TRANSID (COM-TRAN-ID)
 COMMAREA (DFHCOMMAREA-W)
 LENGTH (COM-LENGTH)
END-EXEC

PROGRAM DESCRIPTION FORM

System: Coverage Date f.c.: 29 July 1984
Subsystem: Law 79, Public Sector Date l.u.: 29 July 1984
Function: Auditor Processing Phase: 2
Program: ECCP130, Audit Coverage Termination
CICS Trans ID: C130
Author: SAK/MJO

Description:

The Audit Coverage Termination Program displays the termination transaction previously prepared in data entry. The auditor may then approve the transaction, reject it, place it in hold status, or assign it to investigation. The Coverage Termination Transaction is used to terminate the current contribution period and record the termination in the Coverage Data Base. Additionally, the program will reflect the termination in the Billing Data Base by calculating the amount of the terminated contribution and decrementing the appropriate amounts to be billed to the employer.

INPUT:

Files: Employer, Coverage, Billing, Tables Data Bases

Screens: Coverage Termination

NOTE: Transaction, Individual, Coverage Root and current Coverage Period segments are received via COMMAREA

OUTPUT:

Files: Coverage Transaction Data Base
Individual, Coverage, Billing Data Bases
(approved transactions only)

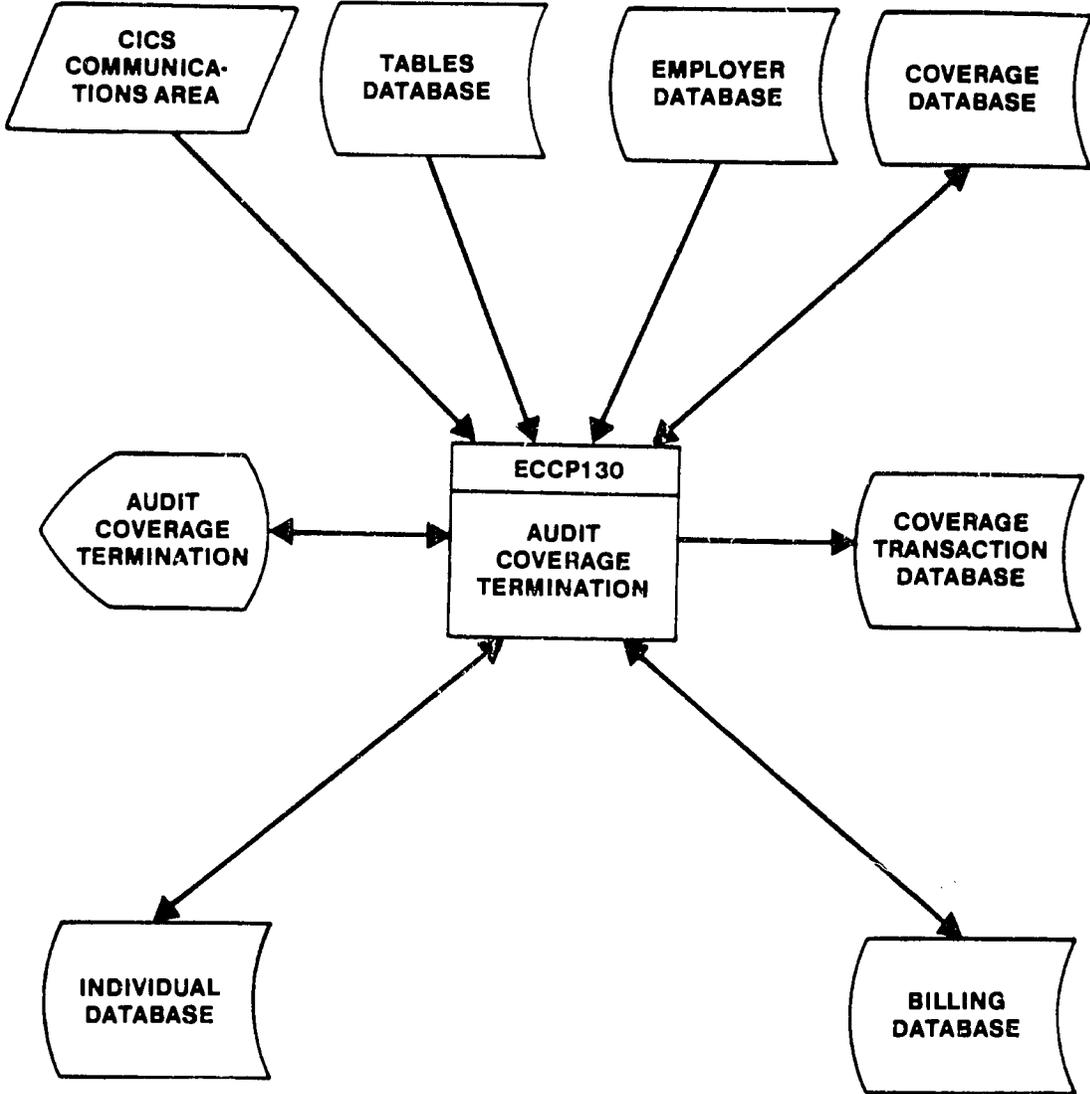
INTERFACE:

Invoked by: ECCP100 Audit Processing Driver

Transfers to: ECCP100 Audit Processing Driver

Standard Modules:

**PROGRAM I/O DIAGRAM
AUDIT COVERAGE TERMINATION**



4.1 PROCESS CONTROL

EXEC CICS RECEIVE

MAP (COM-PANEL)

MAPSET (COM-PANEL-SET)

END-EXEC

IF COM-PROGRAM-STATE EQUAL TO ZERO

PERFORM 0100-INITIATE-AUDIT

ENDIF

IF COM-PROGRAM-STATE EQUAL TO 1

IF PF KEY INDICATES APPROVAL

PERFORM 4000-APPROVED-TRANS

ELSE

IF PF KEY INDICATES REJECTION

PERFORM 5000-REJECTED-TRANS

ELSE

IF PF KEY INDICATES HOLD

PERFORM 6000-HOLD-TRANS

ELSE

IF PF KEY INDICATES INVESTIGATE

PERFORM 7000-INVEST-TRANS

ELSE

IF PF KEY INDICATES CANCEL

PERFORM 8000-CANCEL-AUDIT

ELSE

IF PF KEY INDICATES MODIFY

SET COM-PROGRAM-STATE TO 2

PERFORM 1000-EDIT-INPUT

```

        PERFORM 1100-VERIFY-COVERAGE
        PERFORM 3000-RESEND-SCREEN
    ELSE
        MOVE 'INVALID KEY SELECTION' TO MSG-LINE2
        PERFORM 3000-RESEND SCREEN
    ENDIF
ENDIF
IF COM-PROGRAM-STATE EQUAL TO 2
    IF PF KEY INDICATES CANCEL
        PERFORM 8000-CANCEL-AUDIT
    ELSE
        PERFORM 1000-EDIT-INPUT
        PERFORM 1100-VERIFY-COVERAGE
        SET COM-PROGRAM-STATE TO 1
        PERFORM 3000-RESEND-SCREEN
    ENDIF
ENDIF
0100-INITIATE-AUDIT SECTION
MOVE TRANSACTION RECORD DATA FIELDS TO MAP
IF TRANS-STATUS EQUAL HOLD OR INVESTIGATION
    GET INDIVIDUAL RECORD
    IF SOFT LOCK NOT SET ON
        SET SOFT LOCK ON
        REWRITE INDIVIDUAL RECORD
        PERFORM 1000-EDIT-INPUT
        PERFORM 1100-VERIFY-COVERAGE
    ELSE
        MOVE 'INDIVIDUAL RECORD LOCKED BY ANOTHER TRANSACTION'

```

```

        TO MSG-LINE2
        SET COM-DESTINATION-PROGRAM TO AUDIT DRIVER
        PERFORM 3000-RESEND-SCREEN
    ENDIF
    SET COM-PROGRAM-STATE TO 1
    PERFORM 3000-RESEND-SCREEN
1000-EDIT-INPUT SECTION
    IF TERMINATION-DATE LENGTH GREATER THAN ZERO
        IF TERMINATION-DATE NOT GREATER THAN CURRENT-DATE
            MOVE TERMINATION-DATE TO COM-CT-TERMINATION-DATE
        ELSE
            MOVE CURSOR TO TERMINATION-DATE LENGTH
            SET TERMINATION-DATE ATTRIBUTE
            PERFORM 3000-RESEND-SCREEN
        ENDIF
    IF TERM-FORM-DATE LENGTH GREATER THAN ZERO
        IF TERM-FORM-DATE NOT GREATER THAN CURRENT-DATE
            MOVE TERM-FORM-DATE TO COM-CT-TERM-FORM-DATE
        ELSE
            MOVE CURSOR TO TERM-FORM-DATE LENGTH
            SET TERM-FORM-DATE ATTRIBUTE
            PERFORM 3000-RESEND-SCREEN
        ENDIF
    IF TERMINATION-REASON LENGTH GREATER THAN ZERO
        PERFORM 4000-TERM-RSN-CHECK
        IF TERMINATION-REASON VALID
            MOVE TERMINATION-REASON TO COM-CT-TERMINATION-REASON
        ELSE

```

MOVE CURSOR TO TERMINATION-REASON LENGTH
SET TERMINATION-REASON ATTRIBUTE BYTE
PERFORM 3000-RESEND-SCREEN

ENDIF

1100-VERIFY-COVERAGE SECTION

IF TERMINATION-DATE LESS THAN SEGMENT COVERAGE-START-DATE
MOVE CURSOR TO TERMINATION-DATE LENGTH
SET TERMINATION-DATE ATTRIBUTE
MOVE 'TERMINATION DATE PRIOR TO COVERAGE START DATE' TO
MSG-LINE2
PERFORM 3000-RESEND-SCREEN

ENDIF

IF PERIOD-END-DATE NOT EQUAL TO ZERO
MOVE CURSOR TO TERMINATION-DATE LENGTH
SET TERMINATION-DATE ATTRIBUTE BYTE
MOVE 'CURRENT PERIOD ALREADY TERMINATED' TO MSG-LINE2
PERFORM 3000-RESEND-SCREEN

ENDIF

3000-RESEND-SCREEN SECTION

EXEC CICS SEND
MAPSET (COM-PANEL-SET)
MAP (COM-PANEL)
FREEKB
CURSOR
END-EXEC
PERFORM 9000-BASIC RETURN

4000-TERM-RSN-CHECK SECTION

MOVE TERMINATION-REASON-PREFIX TO TABLE-KEY-PREFIX

MOVE TERMINATION-REASON TO TABLE-KEY-VALUE

GET TABLE DATABASE RECORD

IF FOUND

PASS EDIT

ELSE

FAIL EDIT

ENDIF

4000-APPROVED-TRANS SECTION

PERFORM 4200-WRITE-APPROVED TRANS

PERFORM 4300-UPDATE-COVERAGE-DB

4200-WRITE-APPROVED-TRANS SECTION

SET TRANSACTION STATUS-CODE TO APPROVED

MOVE DATE TO TRANSACTION

MOVE AUDITOR SIN TO TRANSACTION

MOVE SCREEN CONTENTS TO TRANSACTION DATA AREA

SUBTRACT 1 FROM COM-HOLD-TRANS-REC-NUM GIVING TRANSACTION

RECORD NUMBER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

4300-UPDATE-COVERAGE-DB SECTION

PERFORM 4310-UPDATE-COV-DB

PERFORM 4400-UPDATE-INDIVIDUAL

PERFORM 4500-UPDATE-BILLING

4310-UPDATE-COV-DB SECTION

GET COVERAGE ROOT SEGMENT, KEY IS SIN

IF RETURN CODE IS 'SEGMENT NOT FOUND'

MOVE 'COVERAGE SEGMENTS DO NOT EXIST' TO
MAP-MSG-LINE2

SET COM-DISTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ELSE

PERFORM 4310-TERMINATE-COVERAGE-SEGMENT

PERFORM 4320-ADD-NO-COVERAGE-SEGMENT

IF RETURN CODE IS ERROR CONDITION

MOVE 'ERROR ADDING COVERAGE SEGMENT' TO

MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ENDIF

ENDIF

4310-TERMINATE-COVERAGE-SEGMENT SECTION

GET COVERAGE ROOT SEGMENT, KEY IS SIN

IF RETURN CODE IS 'SEGMENT NOT FOUND'

MOVE 'COVERAGE PERIOD SEGMENT NOT FOUND' TO

MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ENDIF

IF TRANSACTION EMPLOYER-BIN NOT EQUAL TO SEGMENT

EMPLOYER-BIN

MOVE 'FORM/DB EMPLOYER BINS DO NOT AGREE' TO

MSG-LINE2

PERFORM 3000-RESEND-SCREEN

ENDIF

ELSE

UPDATE DATE-LAST-ACTION AND ACTION-TYPE-CODE

SET COVERAGE-FLAG AS APPROPRIATE

SET APPLICABLE-LAW-FLAG AS APPROPRIATE

CALL 'CBLTDLI'.....

TO REWRITE INDIVIDUAL RECORD

IF RETURN CODE INDICATES ERROR CONDITION

MOVE 'ERROR REWRITING INDIVIDUAL SEGMENT' TO

TO MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT-DRIVER

PERFORM 3000-RESEND-SCREEN

ENDIF

ENDIF

4400-UPDATE-EMPLOYER-BILLING SECTION

GET BILLING ROOT SEGMENT, KEY IS BIN/SEN

IF RETURN CODE IS 'SEGMENT NOT FOUND'

MOVE 'EMPLOYER BILLING SEGMENT NOT FOUND' TO

TO MAP-MSG-LINE2

PERFORM 3000-RESEND-SCREEN

ENDIF

PERFORM 4410-CALCULATE-CONTRIB

DECREMENT NUMBER OF EMPLOYEES

DECREMENT CONTRIBUTION FIELDS

DECREMENT TOTAL DEDUCTIONS

DECREMENT TOTAL PAYROLL

PERFORM 4420-REWRITE-BILL-ROOT

IF RETURN CODE IS ERROR CONDITION

MOVE 'ERROR REWRITING BILLING ROOT' TO

MAP-MSG-LINE2

PERFORM 3000-RESEND-SCREEN

ELSE

PERFORM 4430-DELETE-XREF-SEGMENT

IF RETURN CODE IS ERROR CONDITION

MOVE 'ERROR DELETING BILLING XREF SEG'

TO MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ENDIF

ENDIF

4410-CALCULATE-CONTRIB SECTION

CALCULATE CONTRIBUTIONS AS INDICATED IN LAW 79

CONTRIBUTION SCHEDULES

4420-REWRITE-BILL-ROOT SECTION

CALL 'CBLTDLI'

TO REWRITE BILLING ROOT SEGMENT

4430-DELETE-XREF-SEGMENT SECTION

CALL 'CBLTDLI'

TO DELETE CROSS-REFERENCE SEGMENT

5000-REJECTED-TRANS SECTION

SET TRANS-STATUS-CODE TO REJECT

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA

SET COM-DESTINATION-PGM TO AUDIT DRIVER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

MOVE 'TRANSACTION REJECTED' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

6000-HOLD-TRANS SECTION

SET TRANS-STATUS-CODE TO HOLD

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA

SET COM-DESTINATION-PGM TO AUDIT DRIVER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

MOVE 'TRANSACTION PLACED ON HOLD' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

7000-INVEST-TRANS SECTION

SET TRANS-STATUS-CODE TO INVESTIGATION

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA

SET COM-DESTINATION-PGM TO AUDIT DRIVER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

MOVE 'TRANSACTION PLACED IN INVESTIGATION' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

8000-CANCEL-AUDIT SECTION

SET COM-DESTINATION-PGM TO AUDIT DRIVER

MOVE 'AUDIT CANCELLED' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

9000-BASIC-RETURN SECTION

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION

System: Coverage Author: CB
Subsystem: Law 79, Public Sector Date f.c.: 9/4/84
Function: Auditor Processing Date l.u.: 9/5/84
Program: ECCP140 - Audit Purchase Periods Phase:
CICS Trans ID: C140

Description:

If an individual is currently covered and has not yet reached pensionable age, he may purchase any uncovered periods in his past toward his retirement, provided he buys in blocks of one or more years. If, however, he is not currently covered, he may still be eligible to purchase uncovered periods if by so purchasing it will qualify him for a 19 year retirement. Furthermore, he may take out a loan to pay for the purchase if the purchase would qualify him for a 9 or 19 year retirement, depending on his age.

He may elect to pay the entire premium at one time, or monthly until his 60th birthday, or if eligible, take out a 5, 10, or 15 year loan to make the lump sum payment. All of his options are calculated and displayed on the screen for his selection. The users of this screen are as follows:

- o Data Entry Clerk - responsible for data entry for applicant to purchase uncovered periods.
- o Auditor - responsible for the manual and automated verification of the accuracy of the entered data. He can retrieve the information the Data Entry Clerk entered, and approve, modify, hold, hold for inspection, or reject the transaction. He alone has the ability to approve the transaction and allow the data base to be updated with the new coverage segments and deleted uncovered segments.
- o Inspector - if the Auditor is not satisfied with a transaction or file then he indicates that a formal inspection is required. The inspector then goes into the field, performs the investigation, and reports his findings.

INPUTS:

Files: Unit Table, Transaction Segment, Coverage Periods Segment

Screens: Coverage Upgrade Application Screen (ECS130)

Reports:

Documents: Birth Certificates

OUTPUTS:

Files: Transaction Segment, Coverage Periods Segment

Screens: Coverage Upgrade Application Screen (ECS130)

Reports:

Documents:

INTERFACE:

Invoked by: Coverage Subsystem Menu

Transfers to: Coverage Subsystem Menu
AESIS Main Menu

STANDARD MODULES:

Name:

Function:

PROCESSING LOGIC

Validate operator as Auditor type.

If auditor initiate, get previous Dac. Entry transaction; calculate the purchase amount, payments, and loan amount, if any; write Auditor transaction; send screen and return to CICS.

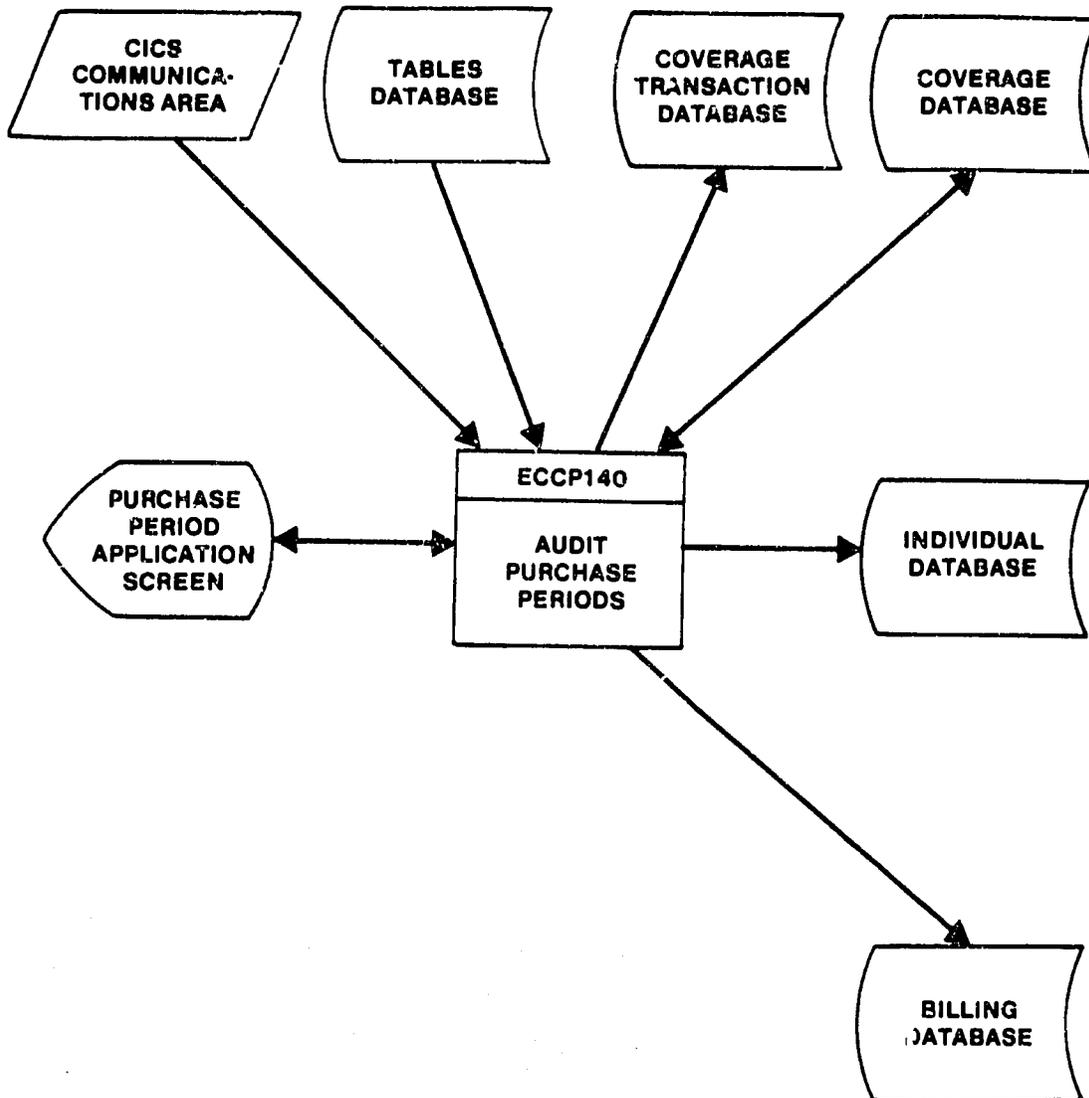
If Auditor accept, calculate payment due date, flag transaction record of pending acceptance; flag appropriate Coverage Periods segments as up-graded; flag transaction record status as final disposition; release lock; send verification screen and return to CICS.

If Auditor modify, insure lock on, get previous transaction for modification; check validity and eligibility' insert transaction segment with modified record; send verification screen and return to CICS.

If Auditor hold, inspec, or reject, flag transaction segment as

hold, inspect, or reject status; release lock----

**PROGRAM I/O DIAGRAM
AUDIT PURCHASING PERIODS**



PROCESS CONTROL

PROGRAM ECCP140

UPGRADING PERIODS AUDIT

1000-INITIALIZATION

MOVE COMAREA DATA TO WE-COMAREA

IF PROGRAM-STATE = 1

GO TO 3000-PROGRAM-STATE-1

ENDIF

2000-CALC-PAYMENTS

READ PP=TABLE4 ON WS-AGE

COMPUTE WS-LUMP-SUM1 EQUAL SALARY TIMES PP-TABLE4-FACTOR

COMPUTE TOTL-LUMP-SUM1 EQUAL WS-LUMP-SUM1

TIMES WS-WHOLE-MONTHS

DIVIDED BY 12

COMPUTE WS-LUMP-SUM1 EQUAL APPLIC-DATE-SALARY

TIMES PP-TABLE4-FACTOR

TIMES 40 PERCENT

COMPUTE TOT-LUMP-SUM2 EQUAL WS-LUMP-SUM2

TIMES WS-WHOLE-MONTHS

DIVIDED BY 12

IF TOT-LUMP-SUM1 LESS THAN TOT-LUMP-SUM2

MOVE TOT-LUMP-SUM1 TO MAP-PURCHASE-AMOUNT

ELSE

MOVE-TOT-LUMP-SUM2 TO MAP-PURCHASE-AMOUNT

ENDIF

(NOW COMPUTE INSTALLMENT PAYMENTS)

READ PP-TABLE6 ON WE-AGE

COMPUTE NUMBER-OF-PAYMENTS FROM APPLICATION-DATE TILL AGE 60

```

COMPUTE MAP-INSTALLMENT-PAYMENT = MAP-PURCHASE-AMOUNT
      TIMES PP-TABLE6-FACTOR
      DIVIDED BY 100
      DIVIDED BY NUMBER OF PAYMENTS
(NOW COMPUTE LOAN PAYMENTS)
IF LOAN-FLAG = 'NO'
      GO TO 2000-EXIT
ENDIF
READ PP-TABLE7 ON WE-AGE
COMPUTE MAP-5 YEAR-LOAN = MAP-PURCHASE-AMOUNT
      DIVIDED BY PP-TABLE7-FACTOR 1
      ROUNDED TO NEXT PIASTRE
COMPUTE MAP-10 YEAR-LOAN = MAP-PURCHASE-AMOUNT
      DIVIDED BY PP-TABLE7-FACTOR 2
      ROUNDED TO NEXT PIASTRE
COMPUTE MAP-15 YEAR-LOAN = MAP-PURCHASE-AMOUNT
      DIVIDED BY PP-TABLE7-FACTOR 3
      ROUNDED TO NEXT PIASTRE
2000-EXIT
SET COM-PROGRAM-STATE TO 1
EXEC CICS SEND
      MAPSET (ECCSOOOS)
      MAP (ECCS130)
      FROM (MAP-AREA)
      FREEKB
      ERASE
      CURSOR

```

END-EXEC

EXEC CICS RETURN

TRANS-ID (COM-TRANS-ID)

COMMAREA (DFH-COMMAREA)

LENGTH (COM-LENGTH)

END-EXEC

3000-PROGRAM-STATE-1

EXEC CICS RECEIVE

MAPSET (ECCSOOOS)

MAP (ECCS130)

INTO (MAP-AREA)

END-EXEC

MOVE COM-SIN TO COVERAGE-SSA

IF PFK = CANCEL

SET MESSAGE-LINE TO `CANCELED AT OPERATOR REQUEST`

EXEC CICS SEND

MAPSET (ECCSOOOS)

MAP (ECCS130)

TEXT FROM (MESSAGE-LINE)

LENGTH (79)

FREEKB

ERASE

CURSOR

END-EXEC

GO TO 9999-TERMINATE

ENDIF

IF PFK = RETURN

```

EXEC CICS XCTL
      PROGRAM (COVERAGE-DRIVER)
      CINNAREA (DFGCINAREA)
      LENGTH (COM-LENGTH)
END-EXEC

ENDIF

IF PFK = MAIN-MENU
      EXEC CICS XCTL
            PROGRAM (ECOPOOO)
            COMMAREA (DFHCOMAREA)
            LENGTH (COM-LENGTH)
      END-EXEC
ENDIF

GO TO 4000-ACCEPT, 5000-HOLD-INSPECT-REJECT, 6000-MODIFY
      DEPENDING ON MAP-ACCEPT-FLAG

4000-ACCEPT
      CALL 'DATEDIM' TO DETERMINE DAYS UNTIL END OF NEXT MONTH
      CALL 'DATENEW' TO CONVERT LAST DAY OF NEXT MONTH
            TO MAP-PAYMENT-DUE-DATE
      MOVE DATA TO TRANSACTION RECORD AREA
      MOVE 'UPDATE PENDING' TO TRANSACTION RECORD STATUS-CODE
      SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
      CALL 'CBLTDLI' USING (UPDAT TRANS WITH APPROVED STATUS)
      INSERT
            TRANSACTION-PCB
            TRANS-SSA
      MOVE TRANS-START TO COVERAGE-PERIODS-SSA

```

CALL 'CBLTDLI' USING
GET HOLD UNIQUE
COVERAGE-PERIODS-PCB
COVERAGE-SSA
COVERAGE-PERIODS-SSA
MOVE 92 (UPGRADED) TO PERIOD-STATUS-CODE
CALL 'CBLTDLI' USING
REPLACE
COVERAGE-PERIODS-PCB
COVERAGE-SSA
COVERAGE-PERIODS-SSA

4020-UPDATE-TRANS

SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
SET TRANS-STATUS-CODE TO 'FINAL DISPOSITION'
CALL 'CBLTDLI' USING
INSERT
TRANSACTION-PCB
TRANS-SSA
REMOVE LOCK
CALL 'CBLTDLI' USING (TRANSACTION IS NOW COMPLETED.
REPLACE REMOVE LOCK)
INDIVIDUAL-PCB
INDIVIDUAL-SSA
SET MESSAGE-LINE TO 'DATABASE UPDATED & TRANSACTION COMPLETED'
GO TO 9999-SEND-SCREEN

5000-HOLD-INSPECT-REJECT

SET TRANSACTION STATUS-CODE TO 'H' 'I' OR 'R'
DEPENDING ON MAP-ACCEPTANCE-FLAG
SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
CALL 'CBLTDLI' USING
INSERT
TRANSACTION-PCB
TRANS-SSA
REMOVE LOCK
CALL 'CBLTDLI' USING
REPLACE
INDIVIDUAL-PCB
INDIVIDUAL-SSA
SET MESSAGE-LINE TO INDICATE DB UNLOCKED
WITH HOLD, INSPECT, OR REJECT STATUS
GO TO 999-SEND SCREEN

6000-MODIFY

IF INDIVIDUAL-LOCK IS OFF
SET LOCK ON
CALL 'CBLTDLI' USING
REPLACE
INDIVIDUAL-PCB
INDIVIDUAL-SSA

ENDIF

***** VALIDATE NEW MODIFICATIONS

IF PERIOD-START-DATE NOT LESS THAN CONTRIBUTION-START-DATE
SET MESSAGE-LINE TO 'START DATE MUST BE LESS THAN

CONTRIBUTION START DATE'

GO TO 9999-BAD-ENDING

ENDIF

IF APPLICATION-DATE GREATER THAN CURRENT-DATE

SET MESSAGE-LINE TO 'APPLIC DATE GREATER THAN CURR DATE'

GO TO 4999-BAD-ENDING

ENDIF

MOVE COM-UNIT TO UNIT-SSA

CALL 'CBLTDLI' USING`

GET UNIQUE

UNIT-TABLES-PCB

TABLE-SSA

UNIT-SSA

IF UNIT NOT FOUND

SET MESSAGE-LINE TO 'UNIT DOESNT EXIST IN UNIT TABLE'

GO TO 9999-BAD-ENDING

ENDIF

6020-ELIGIBILITY-CHECK

IF COVERAGE-END-DATE NOT EQUAL ZERO

SET MESSAGE-LINE TO 'NOT CURRENTLY COVERED -INELIGIBLE'

GO TO 4999-BAD-ENDING

ENDIF

PERFORM PENSIONABLE-AGE-ROUTINE

IF APPLICATION-DATE NOT LESS THAN PRNSIONABLE-AGE-DATE

SET MESSAGE-LINE TO 'APPLICATION DATE MUST BE BEFORE

PENSIONABLE AGE'

GO TO 4999-BAD-ENDING

```

ENDIF
*   A PERIOD STATUS CODE OF 53, 58, OR 59 DEFINES THAT PERIOD
*   BEFORE 9/1/75 FOR WHICH THE INSURED IS ENTITLED TO END OF
*   WORKING PERIOD COMPENSATION

*   ADJUST PERIOD START DATE TO BEGINNING OF MONTH
    IF PERIOD-START-DAY NOT EQUAL 1
        ADD 1 TO PERIOD-START-MONTH
        MOVE 1 TO PERIOD-START-DAY
    ENDIF

6030-FIND-ELIGIBLE-SEGMENT
    IF PERIOD-STATUS-CODE EQUAL 53,58, OR 59
        IF SIO-CONTRIB-START-DATE BETWEEN COVERAGE START AND END
            DATES
                MOVE EMPLOYER-BIN TO HOLD-BIN
                IF PERIOD-START-DATE GREATER THAN
                    COVERAGE-START-DATE
                        COMPUTE DAY-COUNT FROM PERIOD-START-DATE TO
                            COVERAGE-END-DATE
                        COMPUTE MONTH-COUNT FROM PERIOD-START-DATE
                            TO SIO-CONTRIB-START-DATE
                    ELSE
                        COMPUTE DAY-COUNT FROM COVERAGE-START-DATE TO
                            COVERAGE-END-DATE
                        COMPUTE MONTH-COUNT FROM COVERAGE-START-DATE TO
                            SIO-CONTRIB-START-DATE
                    ENDIF
                ENDIF
            ENDIF
        ENDIF
    ENDIF

```

ADD DAY-COUNT TO TOTAL0-COVERD-DAYS
ADD MONTH-COUNT TO TOTAL-UPGRADE-MONTHS
GO TO 6040-FOUND-ELIGIBLE-SEGMENT

ENDIF

ENDIF

CALL 'DATEDIF' USING

COVERAGE-START-DATE

COVERAGE-END-DATE

DAY-COUNT

ADD DAY-COUNT TO TOTAL-COVERED-DAYS

READ NEXT COVERAGE-PERIODS SEGMENT

IF NO MORE RECORDS

SET MESSAGE-LINE TO 'ELIGIBLE SEGMENT NOT FOUND'

GO TO 4999-BAD-ENDING

ELSE

GO TO 6030-FIND-ELIGIBLE-SEGMENT

ENDIF

6040-FOUND-ELIGIBLE-SEGMENT

IF PERIOD-START-DATE GREATER THAN COVERAGE-START-DATE

GO TO 6050-LOAN-ELIGIBILITY

ENDIF

READ NEXT COVERAGE-PERIODS SEGMENT

IF NO MORE RECORDS

GO TO 6050-LOAN-ELIGIBILITY

IF EMPLOYER-BIN NOT EQUAL HOLD-BIN

GO TO 6050-LOAN-ELIGIBILITY

IF PERIOD-STATUS-CODE NOT EQUAL 53, 58, OR 59

```

        GO TO 6050-LOAN ELIGIBILITY
    IF PERIOD-START-DATE GREATER THAN COVERAGE-START-DATE
        COMPUTE DAY-COUNT FROM PERIOD-START-DATE TO COVERAGE-
        END-DATE
        COMPUTE MONTH-COUNT FROM PERIOD-START-DATE TO COVERAGE-
        END-DATE
    ELSE
        COMPUTE DAY-COUNT FROM COVERAGE-START-DATE TO COVERAGE-
        END-DATE
        COMPUTE MONTH-COUNT FROM COVERAGE-START-DATE TO COVERAGE-
        EMDADATE
    ENDIF
    ADD DAY-COUNT TO TOTAL-COVERED-DAYS
    GO TO 6040-FOUND-ELIGIBLE-SEGMENT
6050-LOAN-ELIGIBILITY
    MOVE COVERAGE-START-DATE TO TRANS-START
    SET LOAN-FLAG TO 'YES'
    IF DOB GREATER THAN 4/1/34
        SET LOAN-FLAG TO 'NO`
    ENDIF
    CALL 'DATEDIF' USING
        DOB
        APPLICATION-DATE
        WS-AGE
    DIVIDE WS-AGE BY 365 ROUNDED UP
    DIVIDE TOTAL-COVERED-DAYS BY 365 GIVING COVERED-YEARS
    IF WE-AGE NOT LESS THAN 60

```

```

        IF COVERED-YEARS LESS THAN 9
            SET LOAN-FLAG TO 'NO'
        ENDIF
    ELSE
        IF COVERED-YEARS LESS THAN 19
            SET LOAN-FLAG TO 'NO'
        ENDIF
    ENDIF
6060-ELIGIBLE
    IF LOAN-FLAG = 'YES'
        SET MESSAGE-LINE TO `ELIGIBLE FOR PURCHASE AND LOAN`
    ELSE
        SET MESSAGE-LINE TO 'ELIGIBLE FOR PURCHASE WITHOUT LOAN'
    ENDIF
    SET TRANSACTION STATUS-CODE TO 'AUDITOR MODIFIED'
    SUBTRACT 1 FROM TRANS-RECORD-COUNT
    CALL `CBLTDLT` USING
        INSERT
        TRANSACTION-PCB
        TRANS-SSA
    SET COM-PROGRAM-STATE TO ZERO
    GO TO 9999-SEND-SCREEN
9999 SEND-SCREEN
    EXEC CICS SEND
        MAPSET (ECCS0005)
        MAP     (ECCS125)
        FROM   (MAP-AREA)
    END-EXEC

```

9999-TERMINATE

EXEC CICS RETURN

TRANS-ID (COM-TRANS-ID)

COMMAREA (DFHCOMAREA)

LENGTH (COM-LENGTH)

END-EXEC

9999-BAD-ENDING

EXEC CICS SEND

FROM (MESSAGE-LINE)

LENGTH (79)

END-EXEC

SET-COMTRAN-ID TO 9999

GO TO 9999-TERMINATE

PROGRAM DESCRIPTION

System: Coverage Author: CB
Subsystem: Law 79, Public Sector Date f.c.: 9/4/84
Function: Auditor Processing Date l.u.: 9/5/84
Program: ECCP150 - Audit Upgrade Periods Phase: 2
CICS Trans ID: C150

Description:

If an individual is currently covered and has not yet reached pensionable age, he may wish to upgrade his coverage prior to 9/1/75 (when the SIO program began) so that his SIO benefits will be increased. He may do this for the employment period prior to SIO for whatever months he was working for the same employer on 9/1/75.

He may elect to pay the entire premium at one time, or monthly until his 60th birthday, or if eligible, take out a 5-, 10, or 15-year loan to make the lump sum panyment. All of his options are calculated and displayed on the screen for his selection. The users of this screen are as follows:

- o Auditor - responsible for the manual and automated verification of the accuracy of the entered data. He can retrieve the information the Data Entry Clerk entered, and approve, modify, hold, hold for inspection, or reject the transaction. He alone has the ability to approve the transaction and allow the data base to be updated with the upgraded Coverage Segment.
- o Inspector - if the Auditor is not satisfied with a transaction on file then he indicates that a formal inspection is required. The inspector then goes into the field, performs the investigation, and reports his findings.

INPUTS:

Files: Unit Table, Transaction, Coverage, and Uncovered Segments

Screens: Purchase Period Application Screen

Reports:

Documents: Birth Certificate

OUTPUTS:

Files: Transaction, Coverage, and Uncovered Segments

Screens: Purchase Period Application Screen

Reports:

Documents:

INTERFACE:

Invoked by: Coverage Subsystem Menu

Transfers to: Coverage Subsystem Menu
AESIS Main Menu

STANDARD MODULES:

Name:

Function:

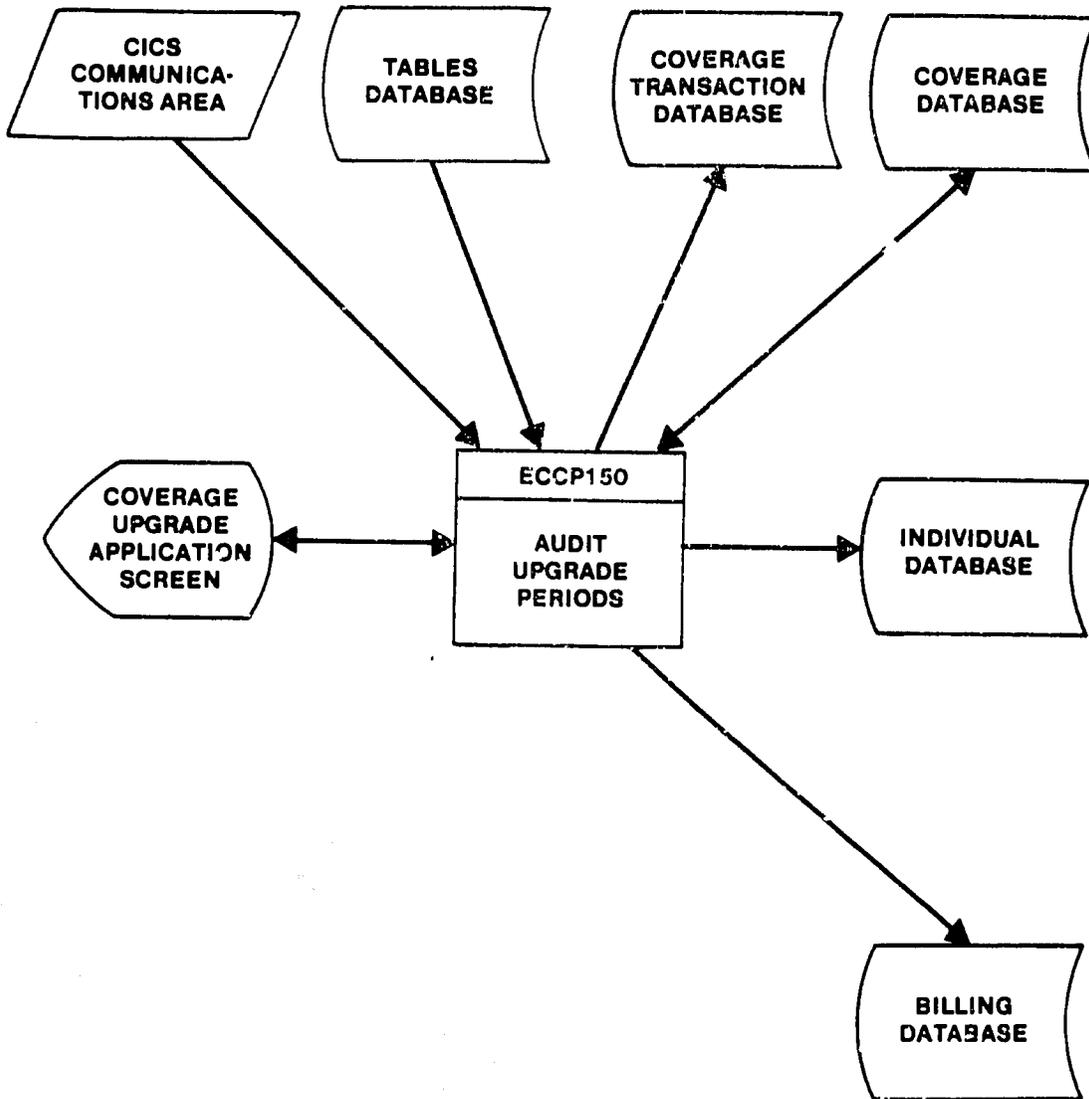
PROCESSING LOGIC

Validate operator as Auditor type. If auditor initiate, get previous Data Entry transaction; calculate the purchase amount, payments, and loan amount, if any; write Auditor transaction; send screen and return to CICS.

If Auditor accept, calculate payment due date, flag transaction record of pending acceptance; insert new coverage periods segments and flag them as purchased; delete corresponding uncovered periods segments, flag transaction record status as final disposition; release lock; send verification screen and return to CICS.

If Auditor modify, insure lock is on; get previous transaction for modification; check validity and eligibility; insert transaction segment with modified record; send verification screen and return to CICS.

**PROGRAM I/O DIAGRAM
AUDIT UPGRADE PERIODS**



PROCESS CONTROL

PROGRAM ECCP150

PURCHASING PERIODS AUDIT

1000-INITIALIZATION

MOVE COMAREA DATA TO WS-COMAREA

IF PROGRAM-STATE = 1

GO TO 3000-PROGRAM-STATE-1

ENDIF

2000-CALC-PAYMENTS (COMPUTE PURCHASE PAYMENT)

READ PP-TABLE4 ON WS-AGE

COMPUTE WS-PURCHASE-AMOUNT = SALARY TIMES PP-TABLE4-FACTOR

MULTIPLY WS-PURCHASE-AMOUNT BY WS-ELIGIBLE-YEARS

GIVING MAP-PURCHASE-AMOUNT

(NOW COMPUTE INSTALLMENT PAYMENT)

READ PP-TABLE6 ON WS-AGE

COMPUTE NUMBER-OF-PAYMENTS FROM APPLICATION-DATE TIL AGE 60

COMPUTE MAP-INSTALLMENT-PAYMENT = MAP-PURCHASE-AMOUNT

TIMES PP-TABLE6-FACTOR

DIVIDED BY 100

DIVIDED BY NUMBER OF PAYMENTS

(NOW COMPUTE LOAN PAYMENTS)

IF LOAN-FLAG = 'NO'

GO TO 2000-EXIT

ENDIF

READ PP-TABLE 7 ON WS-AGE

COMPUTE MAP-5YEAR-LOAN = MAP-PURCHASE-AMOUNT

DIVIDED BY PP-TABLE7-FACTOR 1

ROUNDED TO NEXT PIASTRE

```
COMPUTE MAP-10YEAR-LOAN = MAP-PURCHASE-AMOUNT
    DIVIDED BY PP-TABLE7-FACTOR2
    ROUNDED TO NEXT PIASTRE
COMPUTE MAP-15-YEAR-LOAN = MAP-PURCHASE-AMOUNT
    DIVIDED BY PP-TABLE7-FACTOR 3
    ROUNDED TO NEXT PIASTRE
```

2000-EXIT

```
GET COM-TROGRAM-STATE TO 1
```

```
EXEC CICS SEND
```

```
    MAPSET (ECCSOOOS)
```

```
    MAP    (ECCS125)
```

```
    FROM   (MAP-AREA)
```

```
    FREEKB
```

```
    ERASE
```

```
    CURSOR
```

```
END-EXEC
```

```
EXEC CICS RETURN
```

```
    TRANS-ID (COM-TRANS-ID)
```

```
    COMMAREA (DFH-COMMAREA)
```

```
    LENGTH   (COM-LENGTH)
```

```
END-EXEC
```

3000-PROGRAM-STATE-1

```
EXEC CICS RECEIVE
```

```
    MAPSET (ECCSOOOS)
```

```
    MAP    (ECCS125)
```

```
    INTO   (MAP-AREA)
```

```

END-EXEC

MOVE COM-SIN TO COVERAGE-SSA

IF PFK = CANCEL

    SET MESSAGE-LINE TO 'CANCELED AT OPERATOR REQUEST'

    EXEC CICS SEND

        MAPSET (ECCS00OS)

        MAP      (ECCS125)

        TEXT FROM (MESSAGE-LINE)

        LENGTH (79)

        FREEKB

        ERASE

        CURSOR

    END-EXEC

    GO TO 9999-TERMINATE

ENDIF

IF PFK = RETURN

    EXEC CICS XCTL

        PROGRAM (COVERAGE-DRIVER)

        COMMAREA (DFHCOMAREA)

        LENGTH (COM-LENGTH)

    END-EXEC

ENDIF

IF PFK = MAIN-MENU

    EXEC CICS XCTL

        PROGRAM (ECCP000)

        COMMAREA (DFHCOMAREA)

        LENGTH (COM-LENGTH)

    END-EXEC

```

```

ENDIF
GO TO 4000-ACCEPT, 5000-HOLD-INSPECT-REJECT, 6000-MODIFY
    DEPENDING ON MAP-ACCEPT-FLAG
4000-ACCEPT
    CALL 'DATEDIM' TO DETERMINE DAYS UNTIL END OF NEXT MONTH
    CALL 'DATENEW;' TO CONVERT LAST DAY OF NEXT MONTH
        TO MAP-PAYMENT-DUE-DATE
    MOVE DATA TO TRANSACTION RECORD AREA
    MOVE 'UPDATE PENDING' TO TRANSACTION RECORD STATUS-CODE
    SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
    CALL 'CBLTDLI' USING (UPDAT TRANS WITH APPROVED STATUS0
        INSERT
            TRANSACTION-PCB
            TRANS-SSA
4010-UPDATE-UNCOVERED (DELETE PURCHASED PERIODS FROM UNCOVERED
        SEGS AND ADD THEM TO COVERED SEGS)
    ADD 1 TO INDEX
    MOVE TRANS-START (INDEX) TO COVERAGE-PERIODS-SSA
    CALL 'CBLTDLI' USING (GET NEXT UNCOVERED SEGMENT PURCHASED)
    GET HOLD UNIQUE
    COVERAGE-PERIODS-PCB
        COVERAGE-SSA
        COVERAGE-PERIODS-SSA
    IF NO MORE RECORDS
        GO TO 4020-UPDATE-TRANS
ENDIF
IF PERIOD-STATUS-CODE NOT = 'PAST UNCOVERED'

```

```

        GO TO 4010=UPDATE-UNCOVERED
    ENDIF
    SUBTRACT TRANS-ELIG-YEARS (INDEX) FROM UNCOVERED-END-DATE
    IF UNCOVERED-END-DATE NOT GREATER THAN UNCOVERED-START DATE
        SET PERIOD-STATUS-CODE TO 'TOTALLY PURCHASED'
        CALL 'CBLTDLI' USING      (IF ENTIRE SEGMENT WAS PURCHASED
            REPLACE                CONVERT TO COVERED SEGMENT)
            COVERAGE-PERIODS-PCB
            COVERAGE-SSA
            COVERAGE-PERIODS-SSA
        GO TO 4010-UPDATE-UNCOVERED
    ENDIF
    COMPUTE NEW START DATE FOR UNCOV PERIOD REMAINING
        AND STORE IN COVERAGE-PER 100S-SSA
    CALL 'CBLTDLI' USING          (IF ONLY PART OF THE PERIOD WAS
        REPLACE                    PURCHASED, ADJUST TO REFLECT
            COVERAGE-PERIODS-PCB    THE UNPURCHASED TIME REMAINING)
            COVERAGE-SSA
            COVERAGE-PERIODS-SSA
    SET PERIOD-STATUS-CODE TO 'TOTALLY PURCHASED'
    SET COVERAGE-PERIOD-SSA TO TRANS-START (INDEX)
    CALL 'CBLTDLI' USING          (NOW CREATE A NEW COVERAGE-PERIOD
        INSERT                        SEGMENT FOR THE PERIOD PURCHASED)
            COVERAGE-PERIODS-PCB
            COVERAGE-SSA
            COVERAGE-PERIODS-SSA
    GO TO 4010-UPDATE-UNCOVERED
4020-UPDATE-TRANS

```

SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
SET TRANS STATUS-CODE TO 'FINAL DISPOSITION'
CALL 'CBLTDLI' USING
 INSERT
 TRANSACTION-PCB
 TRANS-SSA
REMOVE LOCK
CALL 'CBLTDLI' USING (TRANSACTION IS NOW COMPLETED.
 REPLACE REMOVE LOCK)
 INDIVIDUAL-PCB
 INDIVIDUAL-SSA
SET MESSAGE-LINE TO 'DATABASE UPDATED & TRANSACTION COMPLETED'
GO TO 9999-SEND-SCREEN

5000-HOLD-INSPECT-REJECTE

SET TRANSACTION STATUS-CODE TO 'H' 'I' OR 'R'
 DEPENDING ON MAP-ACCEPTANCE-FLAG
SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
CALL 'CBLTDLI' USING
 INSERT
 TRANSACTION-PCB
 TRANS-SSA
REMOVE LOCK
CALL 'CBLTDLI' USING
 REPLACE
 INDIVIDUAL-PCB
 INDIVIDUAL-SSA
SET MESSAGE-LINE TO INDICATE DB UNLOCKED

WITH HOLD, INSPECT, OR REJECT STATUS
GO TO 9999-SENT-SCREEN

6000-MODIFY

IF LOCK IS OFF

SET LOCK ON

CALL 'CBLTDLI' USING

REPLACE

INDIVIDUAL-PCB

INDIVIDUAL-SS

ENDIF

***** VALIDATE NEW MODIFICATIONS

IF PERIOD-START-DATE NOT LESS THAN PERIOD-END-DATE

SET MESSAGE-LINE TO 'START DATE NOT LESS THAN END DATE'

GO TO 9999-BAD-ENDING

ENDIF

IF APPLICATION-DATE LESS THAN PERIOD-END-DATE

SET MESSAGE-LINE TO 'APPLICATION DATE LESS THAN END DATE'

GO TO 9999-BAD-ENDING

ENDIF

IF APPLICATION-DATE GREATER THAN CURRENT-DATE

SET MESSAGE-LINE TO 'APPLIC DATE GREATER THAN CURR DATE'

GO TO 4999-BAD-ENDING

ENDIF

MOVE COM-UNIT TO UNIT 555

CALL 'CBLTDLI' USING

GET UNIQUE

```

UNIT-TABLES-PCB
TABLE-SSA
UNIT-SSA
IF UNIT NOT FOUND
    GET MESSAGE-LINE TO 'UNIT DOESNT EXIST IN UNIT TABLE'
    GO TO 9999-BAD-ENDING
ENDIF

6010 GET--UNCOVERED          (CHECK TO SEE IF THERE ARE ELIG PERIODS)
    CALL 'CBLTDLI' USING
        GET NEXT PARENT
        COVERAGE-PCB
        COVERAGE-PERIODS SEGMENT
    IF NO MORE RECORDS
        SET INDEX TO 1
        IF WS-START-DATE (INDEX) = ZERO
            SET MESSAGE-LINE TO 'NO ELIGIBLE UNCOVERED PERIODS`
            GO TO 9999-BAD-ENDING
        ENDIF
        GO TO 6020-ELIGIBILITY-CHECK
    ENDIF
    IF PERIOD-START-DATE GREATER THAN UNCOV-START-DATE
        GO TO 6010-GET-UNCOVERED
    ENDIF
    IF PERIOD-END-DATE NOT LESS THAN UNCOV-END-DATE
        ADD 1 TO INDEX
        MOVE UNCOV-START-DATE TO
        WS-START-DATE (INDEX)

```

```

TRANS-START (INDEX)
MOVE UNCOV-END-DATE TO WS-END-DATE (INDEX)
COMPUTE WS-ELIGIBLE-YEARS (INDEX)
      = WS-END-DATE (INDEX) MINUS WS-START-DATE (INDEX)
ADD WS-ELIGIBLE-YEARS (INDEX) TO WS-ELIGIBLE-YEARS
MOVE WS-ELIGIBLE-YEARS (INDEX) TO TRANS-ELIG-YRS (INDEX)
GO TO 6010-GET UNCOVERED

ENDIF

6020-ELIGIBILITY-CHECK

IF PERIOD-START-DATE LESS THAN DOB PLUS 20 YEARS
      SET MESSAGE-LINE TO 'START DATE MUST BE AFTER AGE 20'
      GO TO 9999-BAD-ENDING

ENDIF

IF COVERAGE-END-DATE EQUAL ZERO      (STILL COVERED)
      GO TO 6030-LOAN-ELIGIBILITY

ENDIF

***** ELSE IF NOT WORKING, WILL HE QUALIFY FOR RETIREMENT
DIVIDE CUMULATIVE-MONTHS IN COVERAGE ROOT BY 12
      GIVING COVERED-YEARS

IF COVERED-YEARS GREATER THAN 19
      SET MESSAGE-LINE TO 'NON WORKING ALREADY HAS 19 YEARS'
      GO TO 9999-BAD-ENDING

ELSE

      ADD WS-ELIGIBLE-YEARS TO COVERED-YEARS
      GIVING PROJECTED-COVERED YEARS

IF PROJECTED-COVERED-YEARS LESS THAN 19
      SET MESSAGE-LINE TO

```

```

                'NON WORKING CANT GET 19 YEARS WITH PURCHASE
GO TO 9999-BAD-ENDING
        ENDIF
EMDIF
6080-LOAN ELIGIBILITY
        SET LOAN-FLAG TO 'YES'
        CALL 'DATEDIF' USING
                DOB
                APPLICATION-DATE
                WS-AGE
        DIVIDE WS-AGE BY 365 ROUNDED UP
        IF DOB GREATER THAN 4/1/31
                SET LOAN-FLAG TO 'NO'
                GO TO 6040-ELIGIBLE
        ENDIF
        IF WS-AGE LESS THAN 60
                IF PROJECTED-COVERED-YEARS LESS THAN 19
                        SET LOAN-FLAG TO 'NO'
                ENDIF
                ELSE
                        IF PROJECTED-COVERED-YEARS LESS THAN 9
                                SET LOAN-FLAG TO 'NO'
                        ENDIF
                ENDIF
        ENDIF
EMDIF
6040 -ELIGIBLE
        IF LOAN-FLAG = 'YES'
                SET MESSAGE-LINE TO 'ELIGIBLE FOR PURCHASE AND LOAN'

```

```

ELSE
    SET MESSAGE-LINE TO 'ELIGIBLE FOR PURCHASE WITHOUT LOAN'
ENDIF
SET TRANSACTION STATUS-CODE TO 'AUDITOR MODIFIED'
SUBTRACT 1 FROM TRANS-RECORD-COUNT
CALL 'CBLTDLI' USING
    INSERT
    TRANSACTION-PCB
    TRANS-SSA
SET COM-PROGRAM-STATE TO ZERO
GO TO 9999-SEND-SCREEN
9999-SEND-SCREEN
EXEC CICS SEND
    MAPSET (ECCSOOOS)
    MAP     (ECCS125)
    FROM    (MAP-AREA)
END-EXEC
9999-TERMINATE
EXEC CICS RETURN
    TRANS-ID (COM-TRANS-ID)
    COMMAREA (DFHCOMAREA)
    LENGTH   (COM-LENGTH)
END-EXEC
9999-BAD ENDING
EXEC CICS SEND
    FROM (MESSAGE-LINE)
    LENGTH (79)

```

END-EXEC

SET COM-TRAN-ID TO 9999

GO TO 9999-TERMINATE

PROGRAM DESCRIPTION

System: Coverage

Date f.c.: 31 July 1984

Subsystem: Law 79, Public Sector

Date l.u.: 12 Sept. 1984

Function: Inspector Processing

Phase: 2

Program: ECCP210 - Inspection Processing

CICS Trans ID: C210

Author :DSMC

Description:

The Inspection Assignment program provides for the entry of inspection assignment data for a transaction that an auditor has flagged for inspection.

The Auditor will not be able to determine on first evaluation whether certain transactions need to be approved or deleted. For these transactions, the Auditor will press a program function key (PFK) in the appropriate audit program, that will change the status to "inspection required". The Auditor uses the Inspection Assignment program to record the Inspector's SIN, the date the Inspector is assigned and the reason code for the inspection. By recording this information on the transaction segment, the system status reports will be able to reflect that the transaction is being processed.

Inspector SINS that are provided must correspond to authorized inspectors in the Authority System and be assigned to the same coverage location as the transaction.

Utilizing the data from the Communications Area, the program verifies that the user is authorized to process the transaction based on user authority. The user enters the inspection assignment data and presses the enter key. The program verifies that the inspector SIN entered is authorized to perform inspection at the coverage location. The screen is presented one more time for verification by the user. Upon verification, the transaction is updated on the coverage transaction database.

INPUTS:

Files: Tables Database

Screens: Inspection Assignment (ECCS210)

Reports: Daily Transaction Report

Documents: None

Communications Area: CICS Communication Area

OUTPUTS:

Files: Coverage Transaction Database

Screens: Inspection Assignment (ECCS210)

Reports: None

Documents: None

Communications Area: CICS Communication Area

INTERFACE:

Invoked by: Coverage Driver Module

Transfers to: Coverage Driver Module

STANDARD MODULES:

Name: None

Function: None

PROCESSING LOGIC

0000-MAIN-PROCESS

IF COM-PROGRAM-STATE = 1

GO TO 1000-INITIALIZATION

ELSE

IF COM-PROGRAM-STATE =2

GO TO 2000-PROCESS-ASSIGNMENT-DATA

ELSE

IF COM-PROGRAM-STATE = 3

GO TO 3000-PROCESS-VERIFY

ENDIF

SET MESSAGE-CODE TO 'PROGRAM STATE ERROR'

PERFORM 9940-MESSAGE-PROCESSING

PERFORM 0920-SEND-LINE

SET COM-PROGRAM-STATE TO 9999

GO TO 9990-TERMINATE

0920-SEND-LINE

EXEC CICS SEND

FROM (MSG-LINE)

LENGTH (79)

ERASE

END-EXEC

1000-INITIALIZATION

```
SET COM-PANEL TO MAP-NAME (ECCS210)
SET COM-PANEL-SET TO MAP-SET-NAME (ECCS0005)
SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (C210)
SET COM-ACTIVE-PFKS TO NULL
IF COM-USERTYPE = AUDITOR OR INSPECTOR-SUPERVISOR
    NEXT-SENTENCE
ELSE
    SET MESSAGE-CODE TO 'INVALID ACCESS'
    GO TO 9920-SEND-AND-TERMINATE
ENDIF
SET COM-ACTIVE PFKS TO 'EXIT'
                        'ENTER KEY'
SET COM-PROGRAM-STATE TO 2
GO TO 9910-SEND-AND-RETURN
```

2000-PROCESS-ASSIGNMENT-DATA

PERFORM 2910-RECEIVE-SCREEN

IF PFK-ENTER-KEY

PERFORM 2100-EDIT-ASSIGNMENT

ELSE

IF PFK-EXIT

SET MESSAGE-CODE TO 'PROGRAM TERMINATED'

GO TO 9920-SEND-AND-TERMINATE

ENDIF

GO TO 9910-SEND-AND-RETURN

2100-EDIT-ASSIGNMENT

CALL 'GETAUTH' USING MAP-ISIN

INSPECTOR-AUTH-DATA

(SYSTEM PROGRAM NOT CURRENTLY DEFINED)

IF NOT FOUND

SET MESSAGE-CODE TO 'SIN NOT

FOUND ON AUTHORIZATION DATABASE

GO TO 9910-SEND-AND-RETURN

ENDIF

IF INSPECTOR-AUTH-TYPE NOT = 'INSPECTOR'

SET MESSAGE-CODE TO 'SIN NOT FOR AN INSPECTOR'

GO TO 9910-SEND-AND RETURN

ENDIF

IF INSPECTOR-AUTH-COVERAGE-LOCATION

NOT = TRANSACTION-COVERAGE-LOCATION

SET MESSAGE-CODE TO 'INSPECTOR'

NOT ASSIGNED TO TRANSACTION LOCATION'

GO TO 9910-SEND-AND-RETURN

```
ENDIF
FORMAT SSA2 FOR TABLES-RECORD-KEY
      INSPECTION-REASON-TABLE EQUAL TO
      MAP-INSPECTION-REASON
CALL `CBLTDLI' FOR GET UNIQUE
      TABLES-RECORD
      EQUAL TO SSA2
IF NOT FOUND
      SET MESSAGE-CODE TO 'INVALID INSPECTION REASON'
      GO TO 9910-SEND-AND-RETURN
ENDIF
FORMAT SCREEN MAP FROM INSPECTION-REASON-DESCRIPTION
SET COM-ACTIVE-PFKS TO 'EXIT'
      'VERIFY UPDATE'
      'RESTART'
SET MESSAGE-CODE TO 'PRESS VERIFY PFK FOR UPDATE'
SET PROGRAM-STATE TO 3
```

2910-RECEIVE SCREEN

EXEC CICS RECEIVE

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

SET (COM-PANEL-POINTER)

END-EXEC

3000-PROCESS-VERIFY

PERFORM 3910-RECEIVE-SCREEN

IF PFK-VERIFY-UPDATE

PERFORM 3100-POST-TRANSACTION

ELSE

IF PFK-EXIT

SET MESSAGE-CODE TO 'PROGRAM TERMINATED'

GO TO 9920-SEND-AND-TERMINATE

ENDIF

GO TO 9910-SEND-AND-RETURN

3100-POST-TRANSACTION

CALL 'CBLTDLI' FOR GET HOLD UNIQUE COVERAGE-RECORD

GREATER THAN SSAI

SET-COM-DATE-INSPECTOR-ASSIGNED TO

MAP-DATE-INSPECTOR-ASSIGNED

SET COM-INSPECTOR-ISIN TO

MAP-INSPECTOR-ISIN

SET-COM-INSPECTION-REASON-CODE TO

MAP-INSPECTION-REASON-CODE

SET COM-STATUS-CODE TO '31'

3910-RECEIVE-SCREEN

EXEC CICS RECEIVE

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

SET (COM-PANEL-POINTER)

END-EXEC

9910-SEND-AND-RETURN

IF MESSAGE-CODE NOT EMPEY

PERFORM 9940-MESSAGE-PROCESSING

ENDIF

PERFORM 9950-SEND-SCREEN

GO TO 9999-RETURN

9920-SEND-AND-TERMINATE

IF MESSAGE-CODE NOT EMPTY

PERFORM 9940-MESSAGE-PROCESSING

ENDIF

PERFORM 9950-SEND-SCREEN

GO TO 9990-TERMINATE

9940-MESSAGE-PROCESSING

FORMAT MSG-LINE FROM MESSAGE-CODE

9950-SEND-SCREEN

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL-SET)

FREEKB

ERASE

FSET

CURSOR

END-EXEC

9990-TERMINATE

SET COM-TRAN-ID TO 'COVERAGE DRIVER'

GO TO 9999-RETURN

9999-RETURN

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION

System: Coverage

Date f.c.: 31 July 1984

Subsystem: Law 79, Public Sector

Date l.u.: 12 Sept. 1984

Function: Inspector Processing

Phase: 2

Program: ECCP220 - Inspection Results

CICS Trans ID: C220

Author :DSMC

Description:

The Inspection Results program provides for the entry of the results of an inspection for transaction that have been previously assigned for inspection.

Utilizing the data from the Communication Area, the program verifies that the user is authorized to process the transaction based on user authority. The user enters the Inspection Results Code and the Date Inspection completed fields. The program verifies that the Inspection Results Code is on the Tables Database and presents a final screen for update verification. Upon verification, the transaction is updated in the coverage transaction database.

INPUTS:

Files: Tables Database

Screens: Inspection Results (ECCS220)

Reports: Daily Inspection Report

Documents: None

Communications Area: CICS Communications Area

OUTPUTS:

Files: Coverage Transaction Database

Screens: Inspection Results (ECCS220)

Reports: None

Documents: None

Communications Area: CICS Communication Area

INTERFACE:

Invoked by: Coverage System Driver

Transfers to: Coverage System Driver

STANDARD MODULES:

Name: None

Function: None

PROCESSING LOGIC

0000-MAIN-PROCESS

IF COM-PROGRAM-STATE = 1

GO TO 1000-INITIALIZATION

ELSE

IF COM-PROGRAM-STATE = 2

GO TO 2000-PROCESS-RESULTS-DATA

ELSE

IF COM-PROGRAM-STATE = 3

GO TO 3000-PROCESS-VERIFY

ENDIF

SET MESSAGE-CODE TO ' PROGRAM STATE ERROR'

PERFORM 9940-MESSAGE-PROCESSING

PERFORM 0920-SEND-LINE

SET COM-PROGRAM-STATE TO 9999

GO TO 9990-TERMINATE

0920-SEND-LINE

EXEC CICS SEND

FROM (MSG-LINE)

LENGTH (79)

ERASE

END-EXEC

1000-INITIALIZATION

SET COM-PANEL TO MAP-NAME (ECCS220)

SET COM-PANEL-SET TO MAP-SET-NAME (ECCS0005)

SET COM-ACTIVE-PFKS TO NULL

IF COM-USERTYPE = AUDITOR OR

INSPECTOR - SUPERVISOR

```

NEXT-SENTENCE
ELSE
    SET MESSAGE-CODE TO 'INVALID ACCESS'
    GO TO 9920-SEND-AND-TERMINATE
ENDIF
SET COM-ACTIVE-PFKS TO 'EXIT'
                                'ENTER KEY'
SET COM-PROGRAM-STATE TO 2
GO TO 9910-SEND-AND-RETURN
2000-PROCESS-RESULTS-DATA
    PERFORM 2910-RECEIVE-SCREEN
    IF PFK-ENTER-KEY
        PERFORM 2100-EDIT-RESULTS
    ELSE
        IF PFK-EXIT
            SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
            GO TO 9920-SEND-AND-TERMINATE
        ENDIF
    GO TO 9910-SEND-AND-RETURN
2100-EDIT-RESULTS
    FORMAT SSA2 FOR TABLES-RECORD-KEY,
        INSPECTION-RESULTS-TABLE EQUAL
        TO MAP-INSPECTION-RESULTS
    CALL 'CBLTDLI' FOR GET UNIQUE
        TABLES-RECORD
        EQUAL TO SSA2
    IF NOT FOUND

```

```

        SET MESSAGE-CODE TO 'INVALID' INSPECTION RESULTS
        GO TO 9910-SEND-AND-RETURN
    ENDIF
    FORMAT SCREEN MAP FOR INSPECTION-RESULTS-DESCRIPTION
    SET COM-ACTIVE-PFKS TO 'EXIT'
        'VERIFY-STOP'
        'VERIFY-CONTINUE'
    SET MESSAGE-CODE TO 'PRESS VERIFY P. 2 FOR UPDATE'
    SET PROGRAM-STATE TO 4
2910-RECEIVE-SCREEN
    EXEC CICS RECEIVE
        MAPSET (COM-PANEL-SET)
        MAP (COM-PANEL)
        SET (COM-PANEL-POINTER)
    END-EXEC
3000-PROCESS-VERIFY
    PERFORM PFK-VERIFY-CONTINUE
        SET NEW-STATUS-CODE TO '35'
        PERFORM 3100-POST-TRANSACTION
    ELSE
    IF PFK-VERIFY-STOP
        SET NEW-STATUS-CODE TO '36'
        PERFORM 3100-POST-TRANSACTION
    ELSE
    IF PFK-EXIT
        SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
        GO TO 9920-SEND-AND-TERMINATE
    ENDIF

```

GO TO 9910-SEND-AND-RETURN

3100-POST

SET COM-DATE-INSPECTION-COMPLETED TO

MAP-DATE-INSPECTION-COMPLETED

SET COM-INSPECTION-RESULTS TO

MAP-INSPECTION-RESULTS

SET COM-STATUS-CODE TO NEW-STATUS-CODE

CLEAR MAP DATA

SET MESSAGE-CODE TO 'SUCCESSFUL UPDATE'

SET COM-ACTIVE-PFKS TO 'EXIT'

'ENTER KEY'

SET PROGRAM-STATE TO 2

3910-RECEIVE-SCREEN

EXEC CICS RECEIVE

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

SET (COM-PANEL-POINTER)

END-EXEC

9910-SEND-AND-RETURN

IF MESSAGE-CODE NOT EMPTY

PERFORM 9940-MESSAGE-PROCESSING

ENDIF

PERFORM 9950-SEND-SCREEN

GO TO 9999-RETURN

9920-SEND-AND-TERMINATE

IF MESSAGE-CODE NOT EMPTY

PERFORM 9940-MESSAGE-PROCESSING

ENDIF

PERFORM 9950-SEND-SCREEN

GO TO 9990-TERMINATE

9940-MESSAGE-PROCESSING

FORMAT MSG-LINE FROM MESSAGE-CODE

9950-SEND-SCREEN

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

ERASE

FSET

CURSOR

END-EXEC

PROGRAM DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 29 August 1984
Function: Data Base Inquiry Date l.u.: 12 September 1984
Program: ECCP310 - Query by SIN Phase: 2

CICS Trans ID: C310

Description:

The Query by SIN program will allow for the search of the National Coverage Database with the primary search field of the Social Insurance Number of a covered individual.

The program builds a Segment Search Argument (SSA) that specifies the search parameters and successive records are retrieved until no more records exist matching the search criteria, or the end of the database is reached.

INPUTS:

Files: Coverage, Individual, Tables Databases

Screens: Query by SIN (ECCS310)

Reports: None

Documents: Inquiry Request

Communications Area: CICS Communications Area

OUTPUTS:

Files: None

Screens: Query by SIN (ECCS310)

Reports: None

Documents: None

Communications Area: CICS Communications Area

INTERFACE:

Invoked by: Coverage Driver Module

Transfers to: Coverage Driver Module

STANDARD MODULES:

Name: None

Function: None

page for diagram

PROCESSING LOGIC:

0000-MAINLINE.

IF COM-PROGRAM-STATE = 0

PERFORM 1000-INITIALIZATION

ENDIF

IF COM-PROGRAM-STATE = 1

PERFORM 2000-RETRIEVE-COVERAGE-RECORD

ENDIF

IF COM-PROGRAM-STATE NOT = 0 OR 1

SET MSG-LINE TO 'PROGRAM STATE ERROR'

PERFORM 9000-SEND-SCREEN

SET COM-TRAN-ID TO DRIVER PROGRAM TRANSACTION ID

PERFORM 9100-RETURN

ENDIF

1000-INITIALIZATION SECTION.

SET COM-PANEL-SET TO MAP-SET-NAME (ECCM310)

SET COM-PANEL TO MAP-NAME (ECCS310)

SET COM-TRAN-ID TO PROGRAM TRANSACTION ID

SET COM-ACTIVE-PF KEYS TO 'ENTER NEW SIN'

'EXIT'

PERFORM 9000-SEND-SCREEN

SET COM-PROGRAM-STATE TO 1

PERFORM 9100-RETURN

2000-RETRIEVE-COVERAGE-RECORD SECTION.

EXEC CICS RECEIVE

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

SET (COM-PANEL-POINTER)

END-EXEC

IF PF KEY DENOTES ENTER NEW SIN

SET SSA TO SIN INPUT

CALL 'CBLTDLI' FOR GET UNIQUE TO RETRIEVE

NATIONAL INDIVIDUAL RECORD

SET SSA TO SIN INPUT

CALL 'CBLTDLI' FOR GET UNIQUE TO POINT TO THE WANTED

COVERAGE RECORD

IF FOUND

FORMAT THE COVERAGE INQUIRY SCREEN

PERFORM 9000-SEND-SCREEN

ELSE

SET MSG-LINE TO 'COVERAGE DOES NOT EXIST'

SET COM-TRAN-ID TO PROGRAM TRANSACTION ID

SET COM-ACTIVE-PF KEYS TO 'ENTER NEW SIN'

'EXIT'

PERFORM 9000-SEND-SCREEN

ENDIF

ENDIF

IF PF KEY DENOTES EXIT

SET COM-TRAN-ID TO DRIVER PROGRAM TRANSACTION ID

ENDIF

PERFORM 9100-RETURN

9000-SEND-SCREEN SECTION.

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

ERASE

CURSOR

END-EXEC

9100-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 29 August 1984
Function: Data Base Inquiry Date l.u.: 12 September 1984
Program: ECCP320 - Query by BIN Phase: 2

CICS Trans ID: C320

Description:

The Query by BIN program provides a capability to search the Employer Database with the primary search field of the Business Insurance Number of an Employer.

The program builds a Segment Search Argument (SSA) that specifies the search parameters and successive segments are retrieved until no more segments exist matching the search criteria, or the end of the database is reached. Fields from the Employer Data Base segment are displayed on the screen, and the operator is prompted for entry of the next BIN or transfer to a higher level menu.

INPUTS:

Files: Employer, Tables Databases
Screens: Query by BIN (ECCS320)
Reports: None
Documents: Inquiry Request
Communications Area: CICS Communications Area

OUTPUTS:

Files: None
Screens: Query by BIN (ECCS320)
Reports: None
Documents: None
Communications Area: CICS Communications Area

INTERFACE:

Invoked by: Coverage System Driver

Transfers to: Coverage System Driver

STANDARD MODULES:

Name: None

Function: None

page for diagram

PROCESSING LOGIC:

0000-MAINLINE.

IF COM-PROGRAM-STATE = 0

PERFORM 1000-INITIALIZATION

ENDIF

IF COM-PROGRAM-STATE = 1

PERFORM 2000-RETRIEVE-EMPLOYER-RECORD

ENDIF

IF COM-PROGRAM-STATE NOT = 0 OR 1

SET MSG-LINE TO 'PROGRAM STATE ERROR'

PERFORM 9000-SEND-SCREEN

SET COM-TRAN-ID TO DRIVER PROGRAM TRANSACTION ID

PERFORM 9100-RETURN

ENDIF

1000-INITIALIZATION SECTION.

SET COM-PANEL-SET TO MAP-SET-NAME (ECCM320)

SET COM-PANEL TO MAP-NAME (ECCS320)

SET COM-TRAN-ID TO PROGRAM TRANSACTION ID

SET COM-ACTIVE-PF KEYS TO 'ENTER NEW BIN'

'EXIT'

PERFORM 9000-SEND-SCREEN

SET COM-PROGRAM-STATE TO 1

PERFORM 9100-RETURN

2000-RETRIEVE-EMPLOYER-RECORD SECTION.

EXEC CICS RECEIVE

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

SET (COM-PANEL-POINTER)

END-EXEC

IF PF KEY DENOTES ENTER NEW BIN

SET SSA TO BIN INPUT

CALL 'CBLTDLI' FOR GET UNIQUE TO RETRIEVE

EMPLOYER SEGMENT

SET SSA TO BIN INPUT

CALL 'CBLTDLI' FOR GET UNIQUE TO POINT TO THE WANTED

EMPLOYER RECORD

IF FOUND

FORMAT THE EMPLOYER INQUIRY SCREEN

PERFORM 9000-SEND-SCREEN

ELSE

SET MSG-LINE TO 'EMPLOYER DOES NOT EXIST'

SET COM-TRAN-ID TO PROGRAM TRANSACTION ID

SET COM-ACTIVE-PF KEYS TO 'ENTER NEW BIN'

'EXIT'

PERFORM 9000-SEND-SCREEN

ENDIF

ENDIF

IF PF KEY DENOTES EXIT

SET COM-TRAN-ID TO DRIVER PROGRAM TRANSACTION ID

ENDIF

PERFORM 9100-RETURN

9000-SEND-SCREEN SECTION.

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

ERASE

CURSOR

END-EXEC

9100-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION

System:	Coverage	Author:	DSMC
Subsystem:	Law 79, Public Sector	Date f.c.:	06 August 1984
Function:	Local Office Transaction Processing	Date l.u.:	12 September 1984
Program:	ECCP410-Batch Input Transaction Processing	Phase:	2

CICS Trans ID: C410

Description:

The purpose of the Batch Input Transaction Processing Program is to provide for the entry of transactions provided by each local office into the Coverage Transaction Database. A record will be created in the Coverage Transaction Database for each transaction supplied by the local office with a status code indicating that the record is from the local office network, is ready for audit, and that it must be processed through all the appropriate edit checks.

The major functions of this program are as follows:

A. Upon this program's initialization from the Coverage System, the local office file will be opened.

B. As each record is read, a control number will be obtained from the Control Database which becomes the Transaction Number for this record. The Control Number is incremented by one and replaced in the Control Database.

C. The record is written to the Coverage Transaction Database with a status code reflecting the status of the data. This status codes is:

41 - Record ready for Audit; Must be re-edited

D. Upon end of file, control will be returned to the Coverage System Driver.

The inputs for this program will be the communications area data (established in the Coverage system driver, the Control Database, and the local office file. The outputs from this program will be the Communications Area (provided to the Coverage System Driver), records on the Coverage Transaction Database, and the modified record in the Control Database.

INPUTS:

Files: Coverage Transaction, Control Databases

Screens: None

Reports: None

Documents: None

Communications Area: CICS Communications Area

OUTPUTS:

Files: Coverage Transaction, Control Databases

Screens: None

Reports: None

Documents: None

Communications Area: CICS Communications Area

INTERFACE:

Invoked by: Coverage Driver

Transfers to: Coverage Driver

STANDARD MODULES:

Name: None

Function: None

PROCESSING LOGIC:

ACCEPT BATCH INPUT CONTROL FILE FOR LOCAL SELECTION
SET MORE-TRANS-FLAG TO YES
PERFORM 1000-GET-LOCAL-TRANSACTION
UNTIL MORE-TRANS-FLAG EQUAL NO
PERFORM 2000-RUN-STATISTICS

1000-GET-LOCAL-TRANSACTION SECTION.

READ LOCAL OFFICE FILE
IF NO MORE RECORDS ON LOCAL FILE
SET MORE-TRANS-FLAG TO NO
ELSE
PERFORM 1100-WRITE-COVERAGE-DATABASE
ENDIF

1100-WRITE-COVERAGE-DATABASE

GET CONTROL NUMBER FROM CONTROL DATABASE
SET COVERAGE STATUS CODE TO '41'
CALL 'CBLTDLI' TO INSERT A NEW COVERAGE TRANSACTION
DATABASE RECORD
INCREMENT CONTROL NUMBER BY 1
REPLACE CONTROL NUMBER IN CONTROL DATABASE

2000-RUN-STATISTICS SECTION.

DISPLAY RUN STATISTICS:
COUNT OF LOCAL TRANSACTION INPUT
COUNT OF COVERAGE TRANSACTION OUTPUT

PROGRAM DESCRIPTION FORM

System: Coverage Date f.c.: 7/31/84
Subsystem: Law 79, Public Sector Date l.u.: 8/28/84
Function: Batch Processing Phase: 2
Program: ECCP420 - Archive Coverage Transactions
CICS Trans ID: C420
Author: SWB & JEL

Description:

The Archive Coverage Transaction program reads the Coverage Transaction Database for records that have been completed and are ready for removal from the active file. Those records are written to the Coverage Archive File and the corresponding record is deleted from the Coverage Transaction Database.

INPUTS:

Files: Archive Control Parameters, Coverage Transaction,
Control Databases
Screens: None
Reports: None
Documents: None

OUTPUTS:

Files: Coverage Archive File, Coverage Transaction, Control
Control Databases
Screens: None
Reports: Coverage Archive Report (ECCP420)
Documents: None

INTERFACE:

Invoked by: Operating System
Transfers to: Operating System

STANDARD MODULES:

Name: None

Function: None

INSERT I/O DIAGRAM HERE

PROCESSING LOGIC:

READ ARCHIVE-CONTROL-PARAMETER FILE
FOR LAST-ACTIVITY-DATE-PARM
CALL 'DATECEI' USING LAST-ACTIVITY-DATE-PARAM
COMPARE-DATE-PARAM
TO CONVERT DATE PARAM TO INTERNAL-FORMAT
FORMAT SSA1 FOR
STATUS-CODE EQUAL TO
'19' OR '28' OR '29' OR '48' OR '49' OR 58'
OR '59'
AND STATUS-CHANGE-DATE LESS THAN
OR EQUAL TO COMPARE-DATE-PARM
SET MORE-TRANS-EXIST TO YES
PERFORM 1000-PASS-TRANSACTION-DB
UNTIL MORE-TRANS-EXIST = NO
PERFORM 8000-RUN-STATISTICS
STOP RUN

1000-PASS-TRANSACTION-PB

CALL 'CBLTDLI' FOR GET HOLD NEXT
COVERAGE-TRANSACTION-RECORD
WHICH SATISFIES SSA1.

IF NO MORE RECORDS ON DATABASE
SET MORE-TRANS-EXIST TO NO

ELSE

PERFORM 2000-PRINT-REPORT
PERFORM 3000-DELETE-TRAN
PERFORM 1200-PRINT-AND-DELETE-RELATED

1200-PRINT-AND-DELETE-RELATED

```
IF RECORD-CGUNT NOT EQUAL 9999
    SET MORE-WITH-SAME-TRAN-EXIST TO YES
    SET SSA3 TO COVERAGE-TRANSACTION-NBR
    PERFORM 1210-PRINT-AND-DELETE
        UNTIL MORE-WITH-SAME-TRAN-EXIST = NO
ENDIF
```

```
1210-PRINT-AND-DELETE
```

```
CALL 'CBLTDLI' FOR GET HOLD NEXT
    COVERAGE-TRANSACTION-RECORD
    EQUAL TO SS
```

```
IF NONE FOUND
```

```
    SET MORE-WITH-SAME-TRAN-EXIST TO NO
```

```
ELSE
```

```
    PERFORM 2000-PRINT-REPORT
```

```
    PERFORM 3000-DELETE-TRAN
```

```
ENDIF
```

```
2000-PRINT-REPORT
```

```
    FORMAT PRINT-LINE FROM
```

```
        COVERAGE-TRANSACTION-RECORD
```

```
    WRITE PRINT-LINE
```

```
3000-DELETE-TRAN
```

```
    CALL 'CBLTDLI' FOR DELETE
```

```
        COVERAGE-TRANSACTION-RECORD
```

```
8000-RUN-STATISTICS
```

```
    DISPLAY RUN STATISTICS:
```

```
        COUNT OF ARCHIVED TRANSACTIONS
```

PROGRAM DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 06 August 1984
Function: Eligibility Report Date l.u.: 14 September 1984
Generation
Program: ECCP510 - Eligibility Phase: 2
Report

CICS Trans ID: C510

Description:

The Eligibility Report Program will be executed in batch mode to print out the pertinent data for every individual who has been accepted for coverage under Law 79, Public Sector. The report will be generated for a date or range of dates as specified by the report criteria resident in the CICS Communications Area. After its initiation of the report, control will be returned to the Coverage System Driver.

INPUTS:

Files: Table, Coverage Transaction Data Base
Screens: None
Reports: None
Documents: None
Communications Area: CICS Communications Area

OUTPUTS:

Files: None
Screens: None
Reports: Eligibility Report
Documents: None
Communications Area: CICS Communications Area

INTERFACE:

Invoked by: ECOP050 Coverage System Driver
Transfers to: ECOP050 Coverage System Driver

STANDARD MODULES:

Name: None

Function: None

page for diagram

PROCESSING LOGIC

0000-MAINLINE.

PERFORM 1000-INITIALIZATION

PERFORM 2000-GET-REPORT-PARM

IF COM-REPORT-FLAG IS SET ON

PERFORM 1000-SORT-REPORT-FILE UNTIL END OF FILE

PERFORM 2000-WRITE-ELIGIBILITY-REPORT UNTIL END OF FILE

SET COM-REPORT-FLAG OFF

SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID

PERFORM 9000-BASIC-RETURN

ELSE (COM-REPORT-FLAG IS OFF)

SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID

PERFORM 9000-BASIC-RETURN

ENDIF

1000-SORT-REPORT-FILE SECTION.

SET SSA TO REPORT PARM

CALL 'CBLTDLI' USING GET FUNCTION TO SELECT RECORD TO BE
REPORTED FROM THE COVERAGE TRANSACTION DATABASE

IF FOUND

WRITE RECORD TO SORT FILE

ELSE

CALL 'CBLTDLI' TO GET NEXT RECORD

ENDIF

2000-WRITE ELIGIBILITY-REPORT SECTION.

MOVE CURRENT DATE TO THE RUN-REPORT-DATE

MOVE ELIGIBLE COVERAGE DATA FROM SORT AREA TO CORRESPONDING
FIELDS IN THE PRINT AREA

WRITE THE PRINT-AREA RECORD

9000-BASIC-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 06 August 1984
Function: Termination Report Date l.u.: 14 September 1984
Generation
Program: ECCP520 - Termination Phase: 2
Report

CICS Trans ID: C520

Description:

The Termination Report Program will be executed in batch mode to print out the pertinent data for every individual who has been terminated for coverage under Law 79, Public Sector. The report will be generated for a date or range of dates as specified by the report criteria resident in the CICS Communications Area. After its initiation of the report, control will be returned to the Coverage System Driver.

INPUTS:

Files: Coverage Transaction, Table Database

Screens: None

Reports: None

Documents: None

Communications Area: CICS Communications Area

OUTPUTS:

Files: None

Screens: None

Reports: Termination Report

Documents: None

Communications Area: CICS Communications Area

INTERFACE

Invoked by: ECOP050 Coverage System Driver

Transfers to: ECOP050 Coverage System Driver

STANDARD MODULES:

Name: None

Function: None

page for diagram

PROCESSING LOGIC

0000-MAINLINE.

```
IF COM-REPORT-FLAG IS SET ON
    PERFORM 1000-SORT-REPORT-FILE UNTIL END OF FILE
    PERFORM 1000-WRITE-TERMINATION-REPORT UNTIL END OF FILE
    SET COM-REPORT-FLAG OFF
    SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
    PERFORM 9000-BASIC-RETURN
ELSE (COM-REPORT-FLAG IS OFF)
    SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
    PERFORM 9000-BASIC RETURN
ENDIF
```

1000-SORT-REPORT-FILE SECTION.

```
SET SSA TO REPORT PARM
CALL 'CBLTDLI' USING GET FUNCTION TO SELECT RECORD TO BE
    REPORTED FROM THE COVERAGE TRANSACTION DATABASE
IF FOUND
    WRITE RECORD TO SORT FILE
ELSE
    CALL 'CBLTDLI' TO GET NEXT RECORD
ENDIF
```

2000-WRITE-TERMINATION-REPORT SECTION.

```
MOVE CURRENT DATE TO THE RUN-REPORT-DATE
MOVE COVERAGE TERMINATION DATA FROM THE SORT AREA TO THE
    CORRESPONDING FIELDS IN THE PRINT AREA
WRITE THE PRINT-AREA RECORD
```

9000-BASIC-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 06 August 1984
Function: Daily Transaction Date l.u.: 12 September 1984
Report Generation
Program: ECCP530 - Daily Phase: 2
Transaction Report

CICS Trans ID: C530

Description:

The Daily Transaction Report Program will be executed in batch mode to print out the pertinent data for every individual who has initiated a transaction under Law 79, Public Sector. The report will be generated for a date or range of dates as specified by the report criteria resident in the CICS Communications Area. After its initiation of the report, control will be returned to the Coverage System Driver.

INPUTS:

Files: Tables, Coverage Transaction Data Base

Screens: None

Reports: None

Documents: None

Communications Area: CICS Communications Area

OUTPUTS:

Files: None

Screens: None

Reports: Daily Transaction Report

Documents: None

Communications Area: CICS Communications Area

INTERFACE:

Invoked by: ECOP050 Coverage System Driver

Transfers to: ECOP050 Coverage System Driver

STANDARD MODULES:

Name: None

Function: None

page for diagram

PROCESSING LOGIC

0000-MAINLINE

```
PERFORM 1000-INITIALIZATION
PERFORM 2000-GET-REPORT-PARM
IF COM-REPORT-FLAG IS SET ON
    PERFORM 1000-SORT-REPORT-FILE UNTIL END OF FILE
    PERFORM 2000-WRITE-TRANSACTION-REPORT UNTIL END OF FILE
    SET COM-REPORT-FLAG OFF
    PERFORM 9000-BASIC RETURN
ELSE (COM-REPORT-FLAG IS OFF)
    SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
    PERFORM 9000-BASIC-RETURN
ENDIF
```

1000-SORT-REPORT-FILE SECTION.

```
SET SSA TO REPORT PARM
CALL 'CBLTDLI' USING GET FUNCTION TO SELECT RECORD TO BE
    REPORTED FROM THE COVERAGE TRANSACTION DATABASE
IF FOUND
    WRITE RECORD TO SORT FILE
ELSE
    CALL 'CBLTDLI' TO GET NEXT RECORD
ENDIF
```

2000-WRITE-TRANSACTION-REPORT SECTION.

```
MOVE CURRENT DATE TO THE RUN-REPORT-DATE
MOVE ELIGIBLE TRANSACTION DATA FROM SORT AREA TO CORRESPONDING
    FIELDS IN THE PRINT AREA
WRITE THE PRINT-AREA RECORD
```

9000-BASIC-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 06 August 1984
Function: Daily Transaction Report Generation Date l.u.: 12 September 1984
Program: ECCP540 - Local Office Report Phase: 2

CICS Trans ID: C540

Description:

The Local Office Report Program will be executed in batch mode to print out the pertinent data for every individual within a field office who has initiated a transaction under Law 79, Public Sector. The report will be generated for a date or range of dates as specified by the report criteria resident in the CICS Communications Area. After its initiation of the report, control will be returned to the Coverage System Driver.

INPUTS:

Files: Tables, Coverage Transaction Data Base
Screens: None
Reports: None
Documents: None
Communications Area: CICS Communications Area

OUTPUTS:

Files: None
Screens: None
Reports: Daily Transaction Report
Documents: None
Communications Area: CICS Communications Area

INTERFACE:

Invoked by: EC0P050 Coverage System Driver
Transfers to: EC0P050 Coverage System Driver

STANDARD MODULES:

Name: None

Function: None

page for diagram

PROCESSING LOGIC

0000-MAINLINE

PERFORM 1000-INITIALIZATION

PERFORM 2000-GET-REPORT-PARM

IF COM-REPORT-FLAG IS SET ON

PERFORM 1000-SORT-REPORT-FILE UNTIL END OF FILE

PERFORM 2000-WRITE-LOCAL-OFFICE-REPORT UNTIL END OF FILE

SET COM-REPORT-FLAG OFF

PERFORM 9000-BASIC RETURN

ELSE (COM-REPORT-FLAG IS OFF)

SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID

PERFORM 9000-BASIC-RETURN

ENDIF

1000-SORT-REPORT-FILE SECTION.

SET SSA TO REPORT PARM

CALL 'CBLTDLI' USING GET FUNCTION TO SELECT RECORD TO BE
REPORTED FROM THE COVERAGE TRANSACTION DATABASE

IF FOUND

WRITE RECORD TO SORT FILE

ELSE

CALL 'CBLTDLI' TO GET NEXT RECORD

ENDIF

2000-WRITE-LOCAL-OFFICE-REPORT SECTION.

MOVE CURRENT DATE TO THE RUN-REPORT-DATE

MOVE ELIGIBLE TRANSACTION DATA FROM SORT AREA TO CORRESPONDING
FIELDS IN THE PRINT AREA

WRITE THE PRINT-AREA RECORD

9000-BASIC-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

INPUT DOCUMENT DESCRIPTION FORM

System: Coverage

Subsystem: Law 79 Public Sector

Date f.c.: 7/31/84

Function:

Date l.u.: 9/16/84

Document Name: Coverage Application

Phase: 2

Document ID: Form 1

Description:

This document is used to enroll an individual in Law 79 Public Sector.

Format Type: Input Document

Users: SIO, PIO

Input Frequency: Daily

Input Volume:

Comments:

Reference Data
Number

1	- REGION NAME	PIC X(15)
2	- LOCAL OFFICE NAME	PIC X(15)
3	- UNIT NAME	PIC X(15)
4	- SIN	PIC 9(09)
5	- NAME	PIC X(40)
6	- OCCUPATION DESC.	PIC X(15)
7	- APPLICATION DATE	PIC X(10)
8	- OCCUPATION DATE	PIC X(10)
9	- MONTHLY SALARY	PIC 9(03)V99
10	- MONTHLY INCENTIVE	PIC 9(03)V99
11	- EMPLOYER BIN	PIC 9(09)
12	- EMPLOYER SECTOR	PIC X(10)
13	- EMPLOYER NAME	PIC X(40)
14	- RETIREMENT AGE	PIC 9(02)
15	- EMPLOYER RELATION	PIC 9(01)

INPUT DOCUMENT DESCRIPTION FORM

System: Coverage

Subsystem: Law 79 Public Sector

Date f.c.: 7/31/84

Function:

Date l.u.: 9/16/84

Document Name: Coverage Application
Change

Phase: 2

Document ID: Form 173

Description:

This document allows for changes in an individual's coverage record.

Format Type: Input Document

Users: SIO, PIO

Input Frequency: Daily

Input Volume:

Comments:

Reference Data
Number

1	- REGION NAME	PIC X(15)
2	- LOCAL OFFICE NAME	PIC X(15)
3	- UNIT NAME	PIC X(15)
4	- SIN	PIC 9(09)
5	- NAME	PIC X(40)
5	- OCCUPATION DESC.	PIC X(15)
7	- ADDRESS (BUILDING NUMBER AND STREET NAME)	PIC X(35)
8	- POLICE GOVERNATE	PIC 9(02)
9	- GOVERNATE NAME	PIC X(15)
10	- POLICE STATION	PIC 9(02)
11	- POLICE STA. NAME	PIC X(15)
12	- POLICE UNIT	PIC 9(02)
13	- POLICE UNIT NAME	PIC X(15)
14	- APPLICATION DATE	PIC X(10)
15	- MONTHLY SALARY	PIC 9(03)V99
16	- MONTHLY INCENTIVE	PIC 9(03)V99
17	- EMPLOYER BIN	PIC 9(09)
18	- EMPLOYER NAME	PIC X(40)
19	- RETIREMENT AGE	PIC 9(02)
20	- WORK EXTENSION DECREE NUMBER	PIC 9(05)
21	- WORK EXT. DATE	PIC X(10)
22	- WORK EXT. MONTHS	PIC 9(02)
23	- EMPLOYER RELATION	PIC 9(01)

INPUT DOCUMENT DESCRIPTION FORM

System: Coverage

Subsystem: Law 79 Public Sector

Date f.c.: 7/31/84

Function:

Date l.u.: 9/16/84

Document Name: Coverage Termination

Phase: 2

Document ID: Form 6

Description:

This document is used terminate a covered individual from Law 79 Public Sector.

Format Type: Input Document

Users: SIO, PIO

Input Frequency: Daily

Input Volume:

Comments:

Referen Number	Data	
1	- REGION NAME	PIC X(15)
2	- LOCAL OFFICE NAME	PIC X(15)
3	- UNIT NAME	PIC X(15)
4	- SIN	PIC 9(09)
5	- NAME	PIC X(40)
6	- TERMINATION DATE	PIC X(10)
7	- TERMINATION DESC.	PIC X(15)
8	- TERM. FORM DATE	PIC X(10)
9	- EMPLOYER BIN	PIC 9(09)
10	- EMPLOYER NAME	PIC X(40)

INPUT DOCUMENT DESCRIPTION FORM

System: Coverage

Subsystem: Law 79 Public Sector

Date f.c.: 7/31/84

Function:

Date l.u.: 9/16/84

Document Name: Purchase Period
Application

Phase: 2

Document ID: Form 1

Description:

This document allows a covered individual to apply for purchasing a past uncovered or suspended period.

Format Type: Input Document

Users: SIO, PIO

Input Frequency:

Input Volume:

Comments:

Referen Data
Number

1	- REGION NAME	PIC X(15)
2	- LOCAL OFFICE NAME	PIC X(15)
3	- UNIT NAME	PIC X(15)
4	- SIN	PIC 9(09)
5	- NAME	PIC X(40)
6	- APPLICATION DATE	PIC X(10)
11	- EMPLOYER BIN	PIC 9(09)
13	- EMPLOYER NAME	PIC X(40)
14	- PERIOD START DATE	PIC X(10)
15	- PERIOD END DATE	PIC X(10)

INPUT DOCUMENT DESCRIPTION FORM

System: Coverage

Subsystem: Law 79 Public Sector

Date f.c.: 7/31/84

Function:

Date l.u.: 9/16/84

Document Name: Coverage Upgrade
Application

Phase: 2

Document ID:

Description:

This document allows a covered individual to upgrade a prior covered period.

Format Type: Input Document

Users: SIO, PIO

Input Frequency:

Input Volume:

Comments:

Referen Number	Data	
1	- REGION NAME	PIC X(15)
2	- LOCAL OFFICE NAME	PIC X(15)
3	- UNIT NAME	PIC X(15)
4	- SIN	PIC 9(09)
5	- NAME	PIC X(40)
7	- APPLICATION DATE	PIC X(10)
9	- BASE PERIOD SALARY	PIC 9(03)V99
11	- EMPLOYER BIN	PIC 9(09)
13	- EMPLOYER NAME	PIC X(40)
14	- PERIOD START DATE	PIC X(10)

SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Public Sector Date f.c.: 7/31/84

Function: Date l.u.: 9/16/84

Screen Name: Coverage Functions Phase: 2

Screen ID:

Description:

This screen enables the Data Entry Clerk to select the appropriate application for data capture.

User: Data Entry Clerk

Type:

Document Name:

Hard Copy: No

Comments:

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

COVERAGE SUBSYSTEM

--/---/---

F U N C T I O N S

P F KEY

COVERAGE APPLICATION	1
MODIFY COVERAGE DATA	2
COVERAGE TERMINATION	3
PURCHASE PERIODS	4
UPGRADE PERIODS	5
COVERAGE INQUIRY	6
RETURN TO COVERAGE MENU	7
RETURN TO MAIN MENU	8

SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Public Sector Date f.c.: 7/31/84

Function: Date l.u.: 9/16/84

Screen Name: Coverage Application Phase: 2

Screen ID:

Description:

This screen is used to capture the data necessary to establish an individual on the Coverage Database. The entered data will be edited and the fields found to be in error will be highlighted. The data entry clerk will then be able to make the necessary changes.

User: Data Entry Clerk

Type: Document Entry

Document Name: Coverage Application (Form 1)

Hard Copy: No

Comments:

Reference Number	Data Name		Notes
1	- REGION CODE	PIC 9(02)	DISPLAY PIC X(5)
2	- REGION NAME	PIC X(15)	DISPLAY N/A
3	- LOCAL OFFICE CODE	PIC 9(02)	DISPLAY PIC x(4)
4	LOCAL OFFICE NAME	PIC X(15)	DISPLAY N/A
5	UNIT CODE	PIC 9(02)	DISPLAY PIC X(4)
6	UNIT NAME	PIC X(15)	DISPLAY N/A
7	SIN	PIC 9(09)	DISPLAY PIC X(14)
8	NAME	PIC X(40)	DISPLAY PIC X(4)
9	OCCUPATION CODE	PIC 9(05)	DISPLAY PIC X(14)
10	OCCUPATION DESC.	PIC X(15)	DISPLAY N/A
11	ADDRESS (BUILDING NUMBER AND STREET NAME)	PIC X(35)	DISPLAY PIC X(07)
12	POLICE GOVERNATE	PIC 9(02)	DISPLAY PIC X(??)
13	GOVERNATE NAME	PIC X(15)	DISPLAY N/A
14	POLICE STATION	PIC 9(02)	DISPLAY PIC X(??)
15	POLICE STA. NAME	PIC X(15)	DISPLAY N/A
16	POLICE UNIT	PIC 9(02)	DISPLAY PIC X(??)
19	POLICE UNIT NAME	PIC X(15)	DISPLAY N/A
20	APPLICATION DATE	PIC X(10)	ENTER PIC X(11)
21	OCCUPATION DATE	PIC X(10)	ENTER PIC X(13)
22	MONTHLY SALARY	PIC 9(03)V99	ENTER PIC X(12)
23	MONTHLY INCENTIVE	PIC 9(03)V99	ENTER PIC X(12)
24	CONTRIBUTION CODE	PIC 9(02)	ENTER PIC X(11)
25	EMPLOYER BIN	PIC 9(09)	ENTER PIC X(11)
26	EMPLOYER SECTOR	PIC X(10)	DISPLAY PIC X(6)
27	EMPLOYER NAME	PIC X(40)	DISPLAY PIC X(11)

28	RETIREMENT AGE	PIC 9(02)	DISPLAY	PIC X(10)
29	TRANSACTION NUMBER	PIC 9(09)	DISPLAY	PIC X(??)
30	EMPLOYER RELATION	PIC 9(01)	ENTER	PIC X(??)

SCREEN DESCRIPTION

System: Coverage
Subsystem: Law 79 Public Sector Date f.c.: 7/31/84
Function: Date l.u.: 9/16/84
Screen Name: Coverage Application Phase: 2
 Change
Screen ID:

Description:

This screen is used to enter the changes on a covered individual. The entered data will be edited and the field found to be in error will be highlighted. The Data Entry Clerk will then be able to make the necessary changes.

User: Data Entry Clerk
Type: Document Entry
Document Name: Coverage Application Change (Form 173)
Hard Copy: No

Comments:

Reference Number	Data Name		Notes
1	- REGION CODE	PIC 9(02)	DISPLAY PIC X(5)
2	- REGION NAME	PIC X(15)	DISPLAY N/A
3	- LOCAL OFFICE CODE	PIC 9(02)	DISPLAY PIC X(4)
4	LOCAL OFFICE NAME	PIC X(15)	DISPLAY N/A
5	UNIT CODE	PIC 9(02)	DISPLAY PIC X(4)
6	UNIT NAME	PIC X(15)	DISPLAY N/A
7	SIN	PIC 9(09)	DISPLAY PIC X(14)
8	NAME	PIC X(40)	DISPLAY PIC X(4)
9	OCCUPATION CODE	PIC 9(05)	ENTER PIC X(14)
10	OCCUPATION DESC.	PIC X(15)	DISPLAY N/A
11	ADDRESS (BUILDING NUMBER AND STREET NAME)	PIC X(35)	DISPLAY PIC X(07)
12	POLICE GOVERNATE	PIC 9(02)	DISPLAY PIC X(??)
13	GOVERNATE NAME	PIC X(15)	DISPLAY N/A
14	POLICE STATION	PIC 9(02)	DISPLAY PIC X(??)
15	POLICE STA. NAME	PIC X(15)	DISPLAY N/A
16	POLICE UNIT	PIC 9(02)	DISPLAY PIC X(??)
17	POLICE UNIT NAME	PIC X(15)	DISPLAY N/A
18	APPLICATION DATE	PIC X(10)	ENTER PIC X(11)
19	OCCUPATION DATE	PIC X(10)	ENTER PIC X(13)
20	MONTHLY SALARY	PIC 9(03)V99	ENTER PIC X(12)
21	MONTHLY INCENTIVE	PIC 9(03)V99	ENTER PIC X(12)
22	CONTRIBUTION CODE	PIC 9(02)	ENTER PIC X(11)
23	EMPLOYER BIN	PIC 9(09)	DISPLAY PIC X(11)
24	EMPLOYER SECTOR	PIC X(10)	DISPLAY PIC X(6)
25	EMPLOYER NAME	PIC X(40)	DISPLAY PIC X(11)

26	RETIREMENT AGE	PIC 9(02)	ENTER	PIC X(10)
27	TRANSACTION NUMBER	PIC 9(09)	DISPLAY	PIC X(??)
28	WORK EXTENSION			
	DECREE NUMBER	PIC 9(05)	ENTER	PIC X(??)
29	- WORK EXT. DATE	PIC X(10)	ENTER	PIC X(??)
30	- WORK EXT. MONTHS	PIC 9(02)	ENTER	PIC X(??)
31	- EMPLOYER RELATION	PIC 9(01)	ENTER	PIC X(??)

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM
COVER APPL CHANGE --/--/----

TRANSACTION NUM: _____ APPLICATION DATE: __/__/____
REGIO: -- _____ LOCA: -- _____ UNIT: -- _____
SOCIAL INS NUM: _____ NAME: _____
OCCUPATION CODE: _____ OCCUPAT. DTAE: __/__/____
ADDRESS: BLDG NR: _____ STREET: _____
GV CODE: -- _____ PSCODE: -- _____ PUCODE: -- _____
EMPLOY BIN: _____ EMPLOY NAME: _____
EMP SEC: -- _____
MONTHLY SALARY: _____ MONTHLY INCENT: _____ CONTRIB CODE: --
RETIR. AGE: __ EMPLOY RELATION: --
WORK EXT DECREE NUM: _____ WORK EXT DT: __/__/____ WORK EXT MONTHS: --

- ENTER KEY - PROCESS APPLICATION
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU

SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Public Sector Date f.c.: 7/31/84

Function: Date l.u.: 9/16/84

Screen Name: Coverage Termination Phase: 2

Screen ID:

Description:

This screen is used to capture the data necessary to terminate an individual from his current employer and to close his coverage period. The entered data will be edited and the fields found to be in error will be highlighted. The Data Entry Clerk will then be able to make the necessary changes.

User: Data Entry Clerk

Type: Document Entry

Document Name: Coverage Termination (Form 6)

Hard Copy: No

Comments:

Reference Number	Data Name		Notes
1	- REGION CODE	PIC 9(02)	DISPLAY PIC X(5)
2	- REGION NAME	PIC X(15)	DISPLAY N/A
3	- LOCAL OFFICE CODE	PIC 9(02)	DISPLAY PIC x(4)
4	LOCAL OFFICE NAME	PIC X(15)	DISPLAY N/A
5	UNIT CODE	PIC 9(02)	DISPLAY PIC X(4)
6	UNIT NAME	PIC X(15)	DISPLAY N/A
7	SIN	PIC 9(09)	DISPLAY PIC X(14)
8	NAME	PIC X(40)	DISPLAY PIC X(4)
9	TERMINATION DATE	PIC X(10)	ENTER PIC X(19)
10	TERMINATION REASON	PIC 9(02)	ENTER PIC X(17)
11	TERMINATION DESC.	PIC X(15)	DISPLAY PIC X(??)
12	TERM. FORM DATE	PIC X(10)	ENTER PIC X(20)
13	EMPLOYER BIN	PIC 9(09)	DISPLAY PIC X(11)
14	EMPLOYER NAME	PIC X(40)	DISPLAY PIC X(11)
15	EMPLOYER SECTOR	PIC X(10)	DISPLAY PIC X(06)
16	TRANSACTION NUMBER	PIC 9(09)	DISPLAY PIC X(??)

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM
COVER TERMINATION --/--/----

TRANSACTION NUM: -----

REGIO: ----- LOCA: ----- UNIT: -----

SOCIAL INS NUM: ----- NAME: -----

EMPLOY BIN: ----- EMPLOY NAME: -----

EMP SEC: -----

TERM. FORM DATE: --/--/----- TERMINATION DATE: --/--/-----

TERM REASON CODE: -- -----

- ENTER KEY - PROCESS APPLICATION
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU

Reference Number	Data Name		Notes
1	- REGION CODE	PIC 9(02)	DISPLAY PIC X(5)
2	- REGION NAME	PIC X(15)	DISPLAY N/A
3	- LOCAL OFFICE CODE	PIC 9(02)	DISPLAY PIC X(4)
4	LOCAL OFFICE NAME	PIC X(15)	DISPLAY N/A
5	UNIT CODE	PIC 9(02)	DISPLAY PIC X(4)
6	UNIT NAME	PIC X(15)	DISPLAY N/A
7	SIN	PIC 9(09)	DISPLAY PIC X(14)
8	NAME	PIC X(40)	DISPLAY PIC X(4)
9	OCCUPATION CODE	PIC 9(05)	DISPLAY PIC X(14)
10	DATE OF BIRTH	PIC X(10)	DISPLAY X(12)
11	APPLICATION DATE	PIC X(10)	ENTER PIC X(11)
12	OCCUPATION DATE	PIC X(10)	DISPLAY PIC X(13)
13	CURRENT MNTHLY SAL	PIC 9(03)V99	DISPLAY PIC X(12)
14	EMPLOYER BIN	PIC 9(09)	DISPLAY PIC X(11)
15	EMPLOYER NAME	PIC X(40)	DISPLAY X(11)
16	PERIOD START DATE	PIC X(10)	ENTER PIC X(??)
17	PERIOD END DATE	PIC X(10)	ENTER PIC X(??)
18	PURCHASE AMOUNT	PIC 9(05)V99	DISPLAY PIC X(??)
19	INSTALL PAYMENT	PIC 9(03)V99	DISPLAY PIC X(??)
20	LOAN PAYMENT	PIC 9(03)V99	DISPLAY PIC X(??)
21	ACCEPTANCE CODE	PIC 9(02)	ENTER PIC X(??)
22	PAYMENT DATE	PIC X(10)	ENTER PIC X(??)
23	TRANSACTION NUMBER	PIC 9(09)	DISPLAY PIC X(??)

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM
PURCHASE PERIOD APPLICATION /__/_/____

TRANSACTION NUM: _____ APPLIC DATE: __/__/____ OCCUP DATE: __/ __/____
REGIO: _____ LOCA: _____ UNIT: _____
SOCIAL INS NUM: _____ NAME: _____
EMPLOY BIN: _____ EMPLOY NAME: _____
BIRTH DATE: __/__/____ MONTHLY SALARY: ____ . ____ PURCHASE AMT: ____ . ____
INSTALL PAYMENT: ____ . ____ LOAN PAYMENT: ____ . ____ ACCEPTANCE CODE: __
PERIOD START DT: __/__/____ PERIOD END DT: __/__/____ PAY DT: __/__/____

- ENTER KEY - PROCESS APPLICATION
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU

SCREEN DESCRIPTION

System: Coverage
Subsystem: Law 79 Public Sector Date f.c.: 7/31/84
Function: Date l.u.: 9/16/84
Screen Name: Coverage Upgrade Phase: 2
 Application
Screen ID:

Description:

This screen is used to capture the data necessary for an individual to upgrade a period prior to 1962. The entered data will be edited and the fields found to be in error will be highlighted. The Data Entry Clerk will then be able to make the necessary changes.

User: Data Entry Clerk

Type: Document Entry

Document Name: Coverage Upgrade Application

Hard Copy: No

Comments:

Reference Number	Data Name		Notes
1	- REGION CODE	PIC 9(02)	DISPLAY PIC X(5)
2	- REGION NAME	PIC X(15)	DISPLAY N/A
3	- LOCAL OFFICE CODE	PIC 9(02)	DISPLAY PIC X(4)
4	LOCAL OFFICE NAME	PIC X(15)	DISPLAY N/A
5	UNIT CODE	PIC 9(02)	DISPLAY PIC X(4)
6	UNIT NAME	PIC X(15)	DISPLAY N/A
7	SIN	PIC 9(09)	DISPLAY PIC X(14)
8	NAME	PIC X(40)	DISPLAY PIC X(4)
9	DATE OF BIRTH	PIC X(10)	DISPLAY PIC X(12)
10	APPLICATION DATE	PIC X(10)	ENTER PIC X(11)
11	OCCUPATION DATE	PIC X(10)	DISPLAY PIC X(13)
12	BASE PERIOD SALARY	PIC 9(03)V99	DISPLAY PIC X(12)
13	EMPLOYER BIN	PIC 9(09)	DISPLAY PIC X(11)
14	EMPLOYER NAME	PIC X(40)	DISPLAY PIC X(11)
15	PERIOD START DATE	PIC X(10)	DISPLAY PIC X(??)
16	PERIOD END DATE	PIC X(10)	DISPLAY PIC X(??)
17	PURCHASE AMOUNT	PIC 9(05)V99	DISPLAY PIC X(??)
18	INSTALL PAYMENT	PIC 9(03)V99	DISPLAY PIC X(??)
19	LOAN PAYMENT	PIC 9(03)V99	DISPLAY PIC X(??)
20	PAYMENT DATE	PIC X(10)	ENTER PIC X(??)
21	ACCEPTANCE CODE	PIC 9(02)	ENTER PIC X(??)
22	TRANSACTION NUMBER	PIC 9(09)	DISPLAY PIC X(??)

SCREEN LAY(JT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM
COVERAGE UPGRADE APPLICATION __/__/__

TRANSACTION NUM: _____ APPLIC DATE: __/__/____ OCCUP DATE: __/__/____

REGIO: _____ LOCA: _____ UNIT: _____

SOCIAL INS NUM: _____ NAME: _____

EMPLOY BIN: _____ EMPLOY NAME: _____

BIRTH DATE: __/__/____ PRD START DT: __/__/____ PRD END DT: __/__/____

BASE PERIOD SALARY: _____ PURCHASE AMT: _____ INSTALL PAYMENT: _____

LOAN PAYMENT: _____ PAYMENT DATE: __/__/____ ACCEPTANCE CODE: __

ENTER KEY - PROCESS APPLICATION
PF1 - REFRESH SCREEN
PF2 - CANCEL APPLICATION
PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
PF8 - RETURN TO MAIN MENU

Reference Number	Data Name		Notes
1	- REGION CODE	PIC 9(02)	DISPLAY PIC X(5)
2	- REGION NAME	PIC X(15)	DISPLAY N/A
3	- LOCAL OFFICE CODE	PIC 9(02)	DISPLAY PIC X(4)
4	LOCAL OFFICE NAME	PIC X(15)	DISPLAY N/A
5	UNIT CODE	PIC 9(02)	DISPLAY PIC X(4)
6	UNIT NAME	PIC X(15)	DISPLAY N/A
7	SIN	PIC 9(09)	DISPLAY PIC X(14)
8	NAME	PIC X(40)	DISPLAY PIC X(4)
9	OCCUPATION CODE	PIC 9(05)	DSP/ENTR PIC X(14)
10	OCCUPATION DESC.	PIC X(15)	DISPLAY N/A
11	ADDRESS (BUILDING NUMBER AND STREET NAME)	PIC X(35)	DISPLAY PIC X(07)
12	POLICE GOVERNATE	PIC 9(02)	DISPLAY PIC X(??)
13	GOVERNATE NAME	PIC X(15)	DISPLAY N/A
14	POLICE STATION	PIC 9(02)	DISPLAY PIC X(??)
15	POLICE STA. NAME	PIC X(15)	DISPLAY N/A
16	POLICE UNIT	PIC 9(02)	DISPLAY PIC X(??)
17	POLICE UNIT NAME	PIC X(15)	DISPLAY N/A
18	APPLICATION DATE	PIC X(10)	DSP/ENTR PIC X(11)
19	OCCUPATION DATE	PIC X(10)	DSP/ENTR PIC X(13)
20	MONTHLY SALARY	PIC 9(03)V99	DSP/ENTR PIC X(12)
21	MONTHLY INCENTIVE	PIC 9(03)V99	DSP/ENTR PIC X(12)
22	CONTRIBUTION CODE	PIC 9(02)	DSP/ENTR PIC X(11)
23	EMPLOYER BIN	PIC 9(09)	DSP/ENTR PIC X(11)
24	EMPLOYER SECTOR	PIC X(10)	DISPLAY PIC X(6)
25	EMPLOYER NAME	PIC X(40)	DISPLAY PIC X(11)

26	RETIREMENT AGE	PIC 9(02)	DISPLAY	PIC X(10)
27	TRANSACTION NUMBER	PIC 9(09)	DISPLAY	PIC X(??)
28	EMPLOYER RELATION	PIC 9(01)	DSP/ENTR	PIC X(??)

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM
AUDIT COVER APPLI

___/___/___

TRANSACTION NUM: _____ APPLICATION DATE: ___/___/___

REGIO: _____ LOCA: _____ UNIT: _____

SOCIAL INS NUM: _____ NAME: _____

OCCUPATION CODE: _____ OCCUPAT. DTAE: ___/___/___

ADDRESS: BLDG NR: _____ STREET: _____

GVCODE: _____ PSCODE: _____ PUCODE: _____

EMPLOY BIN: _____ EMPLOY NAME: _____

EMP SEC: _____

MONTHLY SALARY: ____ . ____ MONTHLY INCENT: ____ . ____ CONTRIB CODE: ____

RETIR. AGE: ____ EMPLOY RELATION: ____

- ENTER KEY - PROCESS APPLICATION
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU

SCREEN DESCRIPTION

System: Coverage
Subsystem: Law 79 Public Sector Date f.c.: 7/31/84
Function: Date l.u.: 9/16/84
Screen Name: Audit Coverage Phase: 2
 Application Change
Screen ID:

Description:

This screen allows the Auditor to view the modifications entered by the Data Entry Clerk and to make any necessary changes to modify the screen. If no modification is needed, the Auditor can process the screen.

User: Auditor

Type: Document Entry, Change Screen

Document Name:

Hard Copy: No

Comments:

Reference Number	Data Name		Notes
1	- REGION CODE	PIC 9(02)	DISPLAY PIC X(5)
2	- REGION NAME	PIC X(15)	DISPLAY N/A
3	- LOCAL OFFICE CODE	PIC 9(02)	DISPLAY PIC X(4)
4	LOCAL OFFICE NAME	PIC X(15)	DISPLAY N/A
5	UNIT CODE	PIC 9(02)	DISPLAY PIC X(4)
6	UNIT NAME	PIC X(15)	DISPLAY N/A
7	SIN	PIC 9(09)	DISPLAY PIC X(14)
8	NAME	PIC X(40)	DISPLAY PIC X(4)
9	OCCUPATION CODE	PIC 9(05)	DSP/ENTR PIC X(14)
10	OCCUPATION DESC.	PIC X(15)	DISPLAY N/A
11	ADDRESS (BUILDING NUMBER AND STREET NAME)	PIC X(35)	DISPLAY PIC X(07)
12	POLICE GOVERNATE	PIC 9(02)	DISPLAY PIC X(??)
13	GOVERNATE NAME	PIC X(15)	DISPLAY N/A
14	POLICE STATION	PIC 9(02)	DISPLAY PIC X(??)
15	POLICE STA. NAME	PIC X(15)	DISPLAY N/A
16	POLICE UNIT	PIC 9(02)	DISPLAY PIC X(??)
17	POLICE UNIT NAME	PIC X(15)	DISPLAY N/A
18	APPLICATION DATE	PIC X(10)	DSP/ENTR PIC X(11)
19	OCCUPATION DATE	PIC X(10)	DSP/ENTR PIC X(13)
20	MONTHLY SALARY	PIC 9(03)V99	DSP/ENTR PIC X(12)
21	MONTHLY INCENTIVE	PIC 9(03)V99	DSP/ENTR PIC X(12)
22	CONTRIBUTION CODE	PIC 9(02)	DSP/ENTR PIC X(11)
23	EMPLOYER BIN	PIC 9(09)	DISPLAY PIC X(11)
24	EMPLOYER SECTOR	PIC X(10)	DISPLAY PIC X(6)
25	EMPLOYER NAME	PIC X(40)	DISPLAY PIC X(11)

26	RETIREMENT AGE	PIC 9(02)	DSP/ENTR	PIC X(10)
27	TRANSACTION NUMBER	PIC 9(09)	DISPLAY	PIC X(??)
28	EMPLOYER RELATION	PIC 9(01)	ENTER	PIC X(??)
29	WORK EXTENSION			
	DECREE NUMBER	PIC 9(05)	ENTER	PIC X(??)
30	WORK EXT. DATE	PIC X(10)	ENTER	PIC X(??)
31	WORK EXT. MONTHS	PIC 9(02)	ENTER	PIC X(??)
32	EMPLOYER RELATION	PIC 9(01)	ENTER	PIC X(??)

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM
AUDIT COVER APPL CHANGE --/--/----

TRANSACTION NUM: _____ APPLICATION DATE: __/__/____
REGIO: _____ LOCA: _____ UNIT: _____
SOCIAL INS NUM: _____ NAME: _____
OCCUPATION CODE: _____ OCCUPAT. DTAE: __/__/____
ADDRESS: BLDG NR: _____ STREET: _____
GVCODE: _____ PSCODE: _____ PUCODE: _____
EMPLOY BIN: _____ EMPLOY NAME: _____
EMP SEC: _____
MONTHLY SALARY: _____.____ MONTHLY INCENT: _____.____ CONTRIB CODE: ____
RETIR. AGE: ____ EMPLOY RELATION: ____
WORK EXT DECREE NUM: _____ WORK EXT DT: __/__/____ WORK EXT MONTHS: ____

- ENTER KEY - PROCESS APPLICATION
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU

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SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Public Sector Date f.c.: 7/31/84

Function: Date l.u.: 9/16/84

Screen Name: Audit Coverage Phase: 2
Termination

Screen ID:

Description:

This screen allows the Auditor to view the data captured by the Data Entry Clerk to terminate an individual's coverage. If the Auditor agrees with the entered data, he may then accept the application and process it.

User: Auditor

Type: Document Entry, Termination Screen

Document Name:

Hard Copy: No

Comments:

Reference Number	Data Name		Notes
1	- REGION CODE	PIC 9(02)	DISPLAY PIC X(5)
2	- REGION NAME	PIC X(15)	DISPLAY N/A
3	- LOCAL OFFICE CODE	PIC 9(02)	DISPLAY PIC X(4)
4	LOCAL OFFICE NAME	PIC X(15)	DISPLAY N/A
5	UNIT CODE	PIC 9(02)	DISPLAY PIC X(4)
6	UNIT NAME	PIC X(15)	DISPLAY N/A
7	SIN	PIC 9(09)	DISPLAY PIC X(14)
8	NAME	PIC X(40)	DISPLAY PIC X(4)
9	TERMINATION DATE	PIC 9(10)	DSP/ENTR PIC X(??)
10	TERMINATION REASON	PIC 9(02)	DSP/ENTR PIC X(17)
11	TERMINATION DESC.	PIC X(15)	DISPLAY PIC X(??)
12	TERM. FORM DATE	PIC X(10)	DSP/ENTR PIC X(20)
13	EMPLOYER BIN	PIC 9(09)	DISPLAY PIC X(11)
14	EMPLOYER NAME	PIC X(40)	DISPLAY PIC X(11)
15	EMPLOYER SECTOR	PIC X(10)	DISPLAY PIC X(06)
16	TRANSACTION NUMBER	PIC 9(09)	DISPLAY PIC X(??)

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM
AUDIT COVER TERMINATION --/--/----

TRANSACTION NUM: -----

REGIO: ----- LOCA: ----- UNIT: -----

SOCIAL INS NUM: ----- NAME: -----

EMPLOY BIN: ----- EMPLOY NAME: -----

EMP SEC: -----

TERM. FORM DATE: --/--/---- TERMINATION DATE: --/--/----

TERM REASON CODE: -----

- ENTER KEY - PROCESS APPLICATION
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU

Reference Number	Data Name		Notes
1	- REGION CODE	PIC 9(02)	DISPLAY PIC X(5)
2	- REGION NAME	PIC X(15)	DISPLAY N/A
3	- LOCAL OFFICE CODE	PIC 9(02)	DISPLAY PIC X(4)
4	LOCAL OFFICE NAME	PIC X(15)	DISPLAY N/A
5	UNIT CODE	PIC 9(02)	DISPLAY PIC X(4)
6	UNIT NAME	PIC X(15)	DISPLAY N/A
7	SIN	PIC 9(09)	DISPLAY PIC X(14)
8	NAME	PIC X(40)	DISPLAY PIC X(4)
9	DATE OF BIRTH	PIC X(10)	DISPLAY PIC X(12)
10	APPLICATION DATE	PIC X(10)	DSP/ENTR PIC X(11)
11	OCCUPATION DATE	PIC X(10)	DISPLAY PIC X(13)
12	CURRENT MNTHLY SAL	PIC 9(03)V99	DISPLAY PIC X(12)
13	EMPLOYER BIN	PIC 9(09)	DISPLAY PIC X(11)
14	EMPLOYER NAME	PIC X(40)	DISPLAY PIC X(11)
15	PERIOD START DATE	PIC X(10)	DSP/ENTR PIC X(??)
16	PERIOD END DATE	PIC X(10)	DSP/ENTR PIC X(??)
17	PURCHASE AMOUNT	PIC 9(05)V99	DISPLAY PIC X(??)
18	INSTALL PAYMENT	PIC 9(03)V99	DISPLAY PIC X(??)
19	LOAN PAYMENT	PIC 9(03)V99	DISPLAY PIC X(??)
20	ACCEPTANCE CODE	PIC 9(02)	DSP/ENTR PIC X(??)
21	PAYMENT DATE	PIC X(10)	DSP/ENTR PIC X(??)
22	TRANSACTION NUMBER	PIC 9(09)	DISPLAY PIC X(??)

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

AUDIT PURCHASE PERIOD APPLICATION __/__/____

TRANSACTION NUM: _____ APPLIC DATE: __/__/____ OCCUP DATE: __/__/____
REGIO: _____ LOCA: _____ UNIT: _____
SOCIAL INS NUM: _____ NAME: _____
EMPLOY BIN: _____ EMPLOY NAME: _____
BIRTH DATE: __/__/____ MONTHLY SALARY: ____ . ____ PURCHASE AMT: ____ . ____
INSTALL PAYMENT: ____ . ____ LOAN PAYMENT: ____ . ____ ACCEPTANCE CODE: ____
PERIOD START DT: __/__/____ PERIOD END DT: __/__/____ PAY DT: __/__/____

ENTER KEY - PROCESS APPLICATION
PF1 - REFRESH SCREEN
PF2 - CANCEL APPLICATION
PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
PF8 - RETURN TO MAIN MENU

Reference Number	Data Name		Notes
1	- REGION CODE	PIC 9(02)	DISPLAY PIC X(5)
2	- REGION NAME	PIC X(15)	DISPLAY N/A
3	- LOCAL OFFICE CODE	PIC 9(02)	DISPLAY PIC X(4)
4	LOCAL OFFICE NAME	PIC X(15)	DISPLAY N/A
5	UNIT CODE	PIC 9(02)	DISPLAY PIC X(4)
6	UNIT NAME	PIC X(15)	DISPLAY N/A
7	SIN	PIC 9(09)	DISPLAY PIC X(14)
8	NAME	PIC X(40)	DISPLAY PIC X(4)
9	DATE OF BIRTH	PIC X(10)	DISPLAY PIC X(12)
10	APPLICATION DATE	PIC X(10)	DSP/ENTR PIC X(11)
11	OCCUPATION DATE	PIC X(10)	DISPLAY PIC X(13)
12	BASE PERIOD SALARY	PIC 9(03)V99	DISPLAY PIC X(12)
13	EMPLOYER BIN	PIC 9(09)	DISPLAY PIC X(11)
14	EMPLOYER NAME	PIC X(40)	DISPLAY PIC X(11)
15	PERIOD START DATE	PIC X(10)	DISPLAY PIC X(??)
16	PERIOD END DATE	PIC X(10)	DISPLAY PIC X(??)
19	PURCHASE AMOUNT	PIC 9(05)V99	DISPLAY PIC X(??)
20	INSTALL PAYMENT	PIC 9(05)V99	DISPLAY PIC X(??)
21	LOAN PAYMENT	PIC 9(05)V99	DISPLAY PIC X(??)
22	PAYMENT DATE	PIC X(10)	DSP/ENTR PIC X(??)
23	ACCEPTANCE CODE	PIC 9(02)	DSP/ENTR PIC X(??)
24	TRANSACTION NUMBER	PIC 9(09)	DISPLAY PIC X(??)

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM
AUDIT COVERAGE UPGRADE APPLICATION __/__/____

TRANSACTION NUM: _____ APPLIC DATE: __/__/____ OCCUP DATE: __/__/____

REGIO: __ _____ LOCA: __ _____ UNIT: __ _____

SOCIAL INS NUM: _____ NAME: _____

EMPLOY BIN: _____ EMPLOY NAME: _____

BIRTH DATE: __/__/____ PRD START DT: __/__/____ PRD END DT: __/__/____

BASE PERIOD SALARY: ____ . ____ PURCHASE AMT: ____ . ____ INSTALL PAYMENT: ____ . ____

LOAN PAYMENT: ____ . ____ PAYMENT DATE: __/__/____ ACCEPTANCE CODE: __

ENTER KEY - PROCESS APPLICATION
PF1 - REFRESH SCREEN
PF2 - CANCEL APPLICATION
PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
PF8 - RETURN TO MAIN MENU

SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Public Sector

Date f.c.: 7/31/84

Function:

Date l.u.: 9/16/84

Screen Name: Inspection Result

Phase: 2

Screen ID:

Description:

This screen enables the Auditor to record the result of the inspection case assigned to an investigator.

User: Auditor

Type:

Document Name:

Hard Copy: No

Comments:

Reference Number	Data Name		Notes
1	- TRANSACTION NUMBER	PIC 9(09)	DISPLAY
2	- INSPECTION DATE	PIC X(10)	DISPLAY
3	- SIN	PIC 9(09)	DISPLAY
4	- NAME	PIC X(40)	DISPLAY
5	- INSPECTION RESULT CODE	PIC 9(02)	ENTER
6	- INSPECTION RESULT DESC.	PIC X(15)	ENTER

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

INSPECTION RESULT

__/__/__

TRANSACTION NUM: _____

INSPECTION DATE: __/__/__

SOCIAL INS NUM: _____ NAME: _____

INSPECTION RESULT: _____

ENTER KEY - PROCESS RESULT
PF1 - REFRESH SCREEN
PF2 - CANCEL APPLICATION
PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
PF8 - RETURN TO MAIN MENU

SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Public Sector Date f.c.: 7/31/84

Function: Date l.u.: 9/16/84

Screen Name: Inspection Assignment Phase: 2

Screen ID:

Description:

This screen allows the Auditor to assign an inspector to investigate an application.

User: Auditor

Type: Screen

Document Name:

Hard Copy: No

Comments:

Reference Number	Data Name		Notes
1	- TRANSACTION NUMBER	PIC 9(09)	DISPLAY
2	- INSPECTION DATE	PIC X(10)	ENTER
3	- SIN	PIC 9(09)	ENTER
4	- NAME	PIC X(40)	ENTER
5	- INSPECTION REASON CODE	PIC 9(02)	ENTER
6	- INSPECTION REASON DESC.	PIC X(15)	DISPLAY

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

INSPECTION ASSIGNMENT --/--/---

TRANSACTION NUM: -----

INSPECTION DATE: --/--/---

SOCIAL INS NUM: ----- NAME: -----

INSPECTION REASON: -----

- ENTER KEY - PROCESS ASSIGNMENT
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU

REPORT DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 10 September 1984
Function: Date l.u.: 10 September 1984
Report ID: ECCR510 Phase: 2
Report Name: Eligibility Report

Description:

This report provides a daily record of eligibility activity for the Coverage Transaction Database.

Production:

Frequency	Medium	Forms	Volume
___ Daily	<u>x</u> Paper	ID: ___	Lines per page
___ Weekly	___ Preprinted Form	Type: ___	Avg: ___
___ Bi-Weekly	___ Other	Size: ___	Max:
___ Semi-Monthly	-----	# of Plys: ___	Pages per report
___ Monthly			Avg:
___ Quarterly			Max:
___ On Request			
^Sx^S__Other	__Annual		

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Central Site		one (1)	Status-Change-Date

Sequence: Major: Status-Change-Date
Minor: Coverage-Transaction Number

Comments:

This is a daily report that will select any active record for the specific date.

REPORT DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 10 September 1984
Function: Date l.u.: 10 September 1984
Report ID: ECCR520 Phase: 2

Report Name: Termination Report

Description:

This report provides a daily record of termination activity for the Coverage Transaction Database.

Production:

Frequency	Medium	Forms	Volume
<input checked="" type="checkbox"/> Daily	<input checked="" type="checkbox"/> Paper	ID: _____	Lines per page
_____ Weekly	_____ Preprinted Form	Type: _____	Avg: _____
_____ Bi-Weekly	_____ Other	Size: _____	Max: _____
_____ Semi-Monthly	_____	# of Plys: _____	Pages per report
_____ Monthly	_____		Avg: _____
_____ Quarterly	_____		Max: _____
_____ On Request	_____		
_____ Other	_____		

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Central Site		one (1)	Status-Change-Date

Sequence: Major: Status-Change-Date
Minor: Coverage-Transaction Number

Comments:

This is a daily report that will select any active record for the specific date.

REPORT DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 10 September 1984
Function: Date l.u.: 10 September 1984
Report ID: ECCR530 Phase: 2
Report Name: Daily Transaction Report

Description:

This report provides a record of daily transaction activity for the Coverage Transaction Database.

Production:

Frequency	Medium	Forms	Volume
<input checked="" type="checkbox"/> Daily	<input checked="" type="checkbox"/> Paper	ID: _____	Lines per page
_____ Weekly	_____ Preprinted Form	Type: _____	Avg: _____
_____ Bi-Weekly	_____ Other	Size: _____	Max: _____
_____ Semi-Monthly	_____	# of Plys: _____	Pages per report
_____ Monthly	_____		Avg: _____
_____ Quarterly	_____		Max: _____
_____ On Request	_____		
_____ Other	_____		

Distribution:

Area or Job Title	Location	Copies	Page Break/Total
Central Site		one (1)	Status-Change-Date

Sequence: Major: Status-Change-Date
Minor: Coverage-Transaction Number

Comments:

This is a daily report that will select any active record for the specific date.

REPORT DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 10 September 1984
Function: Date l.u.: 10 September 1984
Report ID: ECCR540 Phase: 2
Report Name: Local Office Report

Description:

This report provides a record of daily transaction activity for each Local Office.

Production:

<u>Frequency</u> -----	<u>Medium</u> -----	<u>Forms</u> -----	<u>Volume</u> -----
<input checked="" type="checkbox"/> Daily	<input checked="" type="checkbox"/> Paper	ID: ----	Lines per page
---- Weekly	---- Preprinted	Type: ----	Avg: ----
	Form		
---- Bi-Weekly	---- Other	Size: ----	Max:
---- Semi-Monthly	-----	# of Plys: ----	Pages per report
---- Monthly			Avg: ----
---- Quarterly			Max: ----
---- On Request			
---- Other	-----		

Distribution:

<u>Area or Job Title</u>	<u>Location</u> ----	<u>Copies</u> -----	<u>Page Break/Total</u>
Local Office		one (1)	Local Office

Sequence: Major: Local Office
Minor: Status-Change-Date, Coverage-Transaction Number

Comments:

This is a daily report that will select any active record for each Local Office for a specific date.

REPORT DESCRIPTION

System: Coverage Author: DSMC
Subsystem: Law 79, Public Sector Date f.c.: 10 September 1984
Function: Date l.u.: 10 September 1984
Report ID: ECCR550 Phase: 2
Report Name: Inspection Report
Description:

This report provides a daily record of inspection activity for the Coverage Transaction Database.

Production:

<u>Frequency</u> -----	<u>Medium</u> -----	<u>Forms</u> -----	<u>Volume</u> -----
<input checked="" type="checkbox"/> Daily	<input checked="" type="checkbox"/> Paper	ID: ----	Lines per page
---- Weekly	---- Preprinted Form	Type: ----	Avg: ----
---- Bi-Weekly	---- Other	Size: ----	Max:
---- Semi-Monthly	-----	# of Plys: ----	Pages per report
---- Monthly			Avg: ----
---- Quarterly			Max: ----
---- On Request			
---- Other	-----		

Distribution:

<u>Area or Job Title</u>	<u>Location</u> ----	<u>Copies</u> ----	<u>Page Break/Total</u>
Central Site		one (1)	Status-Change-Date

Sequence: Major: Status-Change-Date
Minor: Coverage-Transaction Number

Comments:

This is a daily report that will select any active record for th specific date.