Source Code for

Order Entry (26-4607)

700-5012

Radio Shack®

A DIVISION OF TANDY CORPORATION
FORT WORTH, TEXAS 76102

SYSTEM REFERENCE MANUAL

ORDER ENTRY / BILLING

RADIO SHACK COBOL, RELEASE 1

JANUARY, 1982

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Introduction:

This document describes the types of files associated with the O/E System and their uses.

1. COBOL source files. These include source code for all programs in the system and a library of "copy" files which consist of COBOL source code which can be included in a program by the use of the COPY verb.

2. COBOL object files. These are the machine executable programs which constitue the working O/E System.

3. Data Files. These are the files which contain data entered into the O/E System.

Each class of files is discussed seperately below.

Cobol Source Files:

Program Source Files:

Program source file names have the following format:

OE(progname)/CBL

where:

"OE"	is the system designator, all O/E System program names start with these two letters.
"progname"	is up to eight characters which uniquely indentify a specific program file.

NOTE: The Company File Maintenance and Valid G/L File Maintenace programs are not unique to the O/E System and thus do not carry the "OE" system designator.

Generally, program names are a concatenation of abbreviations for the words that constitute a functional description of what the module does. For example, The "O/E Item File Maintenance" program is named:

"OEITMMNT/CBL".

A source program may be broken up into one or more source modules to keep the individual source file size down to the point where it can be easily edited with the Text Editor. In this event, the first module is named as described above. Subsequent modules are typically named by replacing the last character of the first module's name with a sequence number.

For example, "O/E Item File Maintenance" actually consists of two modules named:

"OEITMMNT/CBL" and "OEITMMN2/CBL".

Imbedded in the source code of the first module, OEITMMNT/CBL, is the compiler directing statement: COPY "OEITMMN2/CBL". Thus compiling this program will result in the generation of a single object module named: "OEITMMNT/COB".

Cobol Source Copy Files:

In order to facilitate program modification and program maintenance, COBOL source statements that are common to many programs have been extracted into separate files which can be included in a COBOL program at compile time by the use of the "COPY" verb. Copy Files are named with a function name of up to eight characters and a two character extension. For Example:

function/xx

where:

"function" = A descriptive name of what the code contained in the copy file either does or relates to.

"xx" = The extension which identifies what DIVISION or SECTION of a COBOL program the copy file applies to.

The extensions used are:

SL = An Input/Output section SELECT statement.

FD = A Data Division File Section File description (FD) entry.

WS = A Data Division Working Storage Section entry.

DS = A Procedure Division Declarative Section entry.

PL = A Procedure Division entry, usually a frequently used subroutine.

Related Copy Files have the same function name with a different extension. For example, the Copy files that deal with the Valid G/L Account File are named as follows:

ACCTFILE/SL	Contains the SELECT Statement for the file.
ACCTFILE/FD	Contains the File Description Entry.
ACCTFILE/WS	Contains Working Storage entries needed to process the file.
ACCTFILE/DS	Contains the Declarative Section entry which handles I/O errror conditions encountered in processing the file.

All definitions, working storage entries and declaratives associated with all data files in the system are contained in copy files.

As another example, a commonly used subroutine which retrieves, reformats and saves the system date consists of procedure division logic and associated working storage entries. The Copy files that contain this code are named:

SYSDAT/WS	Contains Working Storage entries needed to retrieve, reformat and store the System Date.
SYSDAT/PL	Contains the procedure logic necessary to accomplish this.

Cobol Object Files:

Cobol object files are named as follows:

progname/COB

Where:

"progname" is the program name of the source module from which this object file was compiled. Or, if the source program was broken up into multiple modules, the program name of the first module.

SYSTEM COMPONENTS

Data Files:

Data Files are named according to the following conventions:

OE(filename)/DTA

Where:
"OE" is the system designator.
"filename" is a six character name that is unique to that file.

NOTE: The Company File and the Valid G/L Account File are not unique to the O/E System and thus do not have the "OE" system designator.

File names are a concatenation of abbreviations of the words in the full english language name of the file. For example, the Inventory Item File is named:

OEITMFIL/DTA

CFOEFILS/CBL may be compiled and run to Initialize O/E Data Files. This program opens each file on its specified device in output mode and then closes the file. Any data contained within a file will be destroyed.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: SCREEN

Enter Module From: Calling Program When Done Return To: Calling Program

General Description:

This module is an externally called program which handles all terminal I/O for the RS COBOL application packages. It provides the following I/O functions:

1. Accept Input from the CRT keyboard. This function includes the ability to perform basic validation on data input.

2. Display a field, literal, message or one of several pre-defined messages on the CRT screen.

3. Clear the CRT screen of previously displayed data. Either a line, a field or the entire screen may be cleared depending on the option selected.

4. Ask one of three standard pre-defined questions as follows:

   a) "ANY CHANGE ?" and accept a "Y" or "N" answer with optional default specified in the calling sequence.

   b) "FIELD NUMBER TO CHANGE ?" and accept a numeric answer within a range specified in the calling sequence.

   c) "ARE YOU SURE ?" and accept a "Y" or "N" answer.

Screen Functional Specifications:

COBOL Language Requirements:

SCREEN, as provided, is written in RS COBOL. I/O is accomplished through the use of RS COBOL's implementation of the verbs "ACCEPT" and "DISPLAY". As the implementation of these verbs is not standardized, an understanding of their use in RS COBOL is essential to any modification of SCREEN. Refer to your RS COBOL Users Manual for details.

Terminal Hardware Requirements:

The RS COBOL Packages are written for terminals which provide an 80 character by 24 line display capability.

PROGRAM SPECIFICATIONS

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Module Name: SCREEN

Screen Functional Specifications: (continued)

Terminal Hardware Requirements: (continued)

A standard ASCII keyboard which provides, as a minimum, standard alphabetic, numeric and special characters, a TAB key, a CONTROL key and a ENTER or RETURN key is required by the application packages. Lower case alphabetics are not required.

The Operating System and RS COBOL also utilize the ESCAPE key and the BACKSPACE/DELETE key.

The following table defines the various Function Keys and Control key sequences utilized by the RS COBOL programs.

KEY(s) STRUCK:	SIGNIFICANCE:	ASCII CODE:	OCTAL VALUE:
CTRL-A	F1 key	SOH	001
CTRL-B	F2 key	STX	002
CTRL-C	F3 key	ETX	003
CTRL-D	F4 key	EOT	004
CTRL-E	F5 key	ENQ	005
CTRL-F	F6 key	ACK	006
CTRL-G	F7 key	BELL	007
CTRL-H	F8 key	BS	010
CTRL-P	Privileged password	DLE	020
CTRL-R	Restart key	DC2	022
CTRL-U	Re-enter key: Implemented by COBOL Run Time System, allows re-entry of a field.	NAK	025
ENTER/RETURN	ENTER key	CR	015
TAB	END key	TAB	011
BACKSPACE/DELETE	Delete 1 character: Implemented at O/S level.		177
ESCAPE	Escape key: Implemented at O/S level.	ESC	033

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: SCREEN

Screen Functional Specifications: (continued)

Program Functions and Notes:

SCREEN processes data a field at a time. The row and column positions and maximum field length must be defined by the application program and passed to SCREEN as parameters for SCREEN's use as parameters for the "ACCEPT" or "DISPLAY" verb(s).

Keyboard input must be terminated either by pressing the ENTER key or one of the CONTROL key sequences or TAB or ESCAPE key functions described above. The numeric value generated by the terminating key pressed must be saved in Working Storage for subsequent evaluation. Valid terminating keys for a given input field are passed as parameters to SCREEN. The entry of an invalid terminating key (one not defined in the calling parameters) will cause SCREEN to display an error message and force re-entry of data for that field.

The format of data to be input or output is passed as a parameter to SCREEN. On input, SCREEN examines data received from the keyboard to ensure it is in the specified format and displays an error message and forces re-entry if it is not. On output, SCREEN displays a field of data passed to it edited according to the format specifications.

Parameters are passed to SCREEN using the Working Storage Linkage Section. These parameters include the specification of various defaults and options for the handling of data for a particular field. Valid parameters and their functions are fully described in following sections.

Calling Sequence and Linkage:

Calling Sequence:

The SCREEN Routine is CALL'd by an application program using the COBOL "CALL" verb as follows:

```
CALL "SCREEN" USING SCREEN-CONTROL
```

"SCREEN-CONTROL" must be defined in the LINKAGE SECTION of the calling program. The standard definiton of SCREEN-CONTROL is given below.

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Module Name: SCREEN

Calling Sequence and Linkage: (continued)

Linkage:

Parameters are passed to the SCREEN routine via the Linkage Section of the calling program. This is accomplished by MOVEing the required parameters to the appropriate Working Storage Linkage Section fields. The Linkage Section utilized is defined below:

```
01 SCREEN-CONTROL.
     03 SCREEN-PARAMETERS.
          05 SCREEN-OPTION             PIC X(2).
          05 FILLER                    PIC X(1).
          05 SCREEN-ROW                PIC 9(2).
          05 FILLER                    PIC X(1).
          05 SCREEN-COLUMN             PIC 9(2).
          05 FILLER                    PIC X(1).
          05 SCREEN-MAXIMUM            PIC 9(2).
          05 FILLER                    PIC X(1).
          05 SCREEN-TYPES.
               07 SCREEN-TYPE-1        PIC X(1).
               07 SCREEN-TYPE-2        PIC X(1).
          05 FILLER                    PIC X(1).
          05 SCREEN-FUNCTION-VALUES.
               07 SCREEN-FUNCTION-VALUE-1
                                       PIC X(1).
               07 SCREEN-FUNCTION-VALUE-2
                                       PIC X(1).
               07 SCREEN-FUNCTION-VALUE-3
                                       PIC X(1).
          05 FILLER                    PIC X(76).
     03 SCREEN-LITERAL-FIELD REDEFINES SCREEN-PARAMETERS.
          05 FILLER                    PIC X(14).
          05 SCREEN-LITERAL            PIC X(80).
     03 SCREEN-ALPHA-FIELD             PIC X(80).
     03 SCREEN-NUMERIC-FIELD           PIC S9(12)V9(3).
     03 SCREEN-ANSWER                  PIC X(1).
```

NOTE: This portion of COBOL Source Code is provided in a "COPY" File entitled "SCREEN.WS" for easy inclusion in programs via the use of the "COPY" verb.

P R O G R A M   S P E C I F I C A T I O N S

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Module Name: SCREEN

Calling Sequence and Linkage: (continued)

The first six fields above are defined as a Group Item titled SCREEN-PARAMETERS. This means that they can be initialized with a single group MOVE statement in the calling program. For example:

```
MOVE "OP,RW,PS,MX,TP,FFF" TO SCREEN-PARAMETERS.
MOVE "GOOD MORNING" TO SCREEN-LITERAL. (to optionally display a
literal)
CALL "SCREEN" USING SCREEN-CONTROL.
```

Where "OP","RW","PS","MX","TP", and "FFF" stand for the various values of the parameters. The meaning of each of these parameters is discussed here. Valid values for each parameter and their meanings are given under Options below.

"OP" = SCREEN-OPTION	This is the Option Code. It is used to specify the desired SCREEN function.
"RW" = SCREEN-ROW	Specifies the ROW address on the CRT screen at which the I/O operation is to begin.
"PS" = SCREEN-COLUMN	Specifies the column POSITION on the CRT screen at which the I/O operation is to begin.
"MX" = SCREEN-MAXIMUM	Specifies the maximum number of characters to be read from or written to the screen.
"TP" = SCREEN-TYPES	A two byte code which specifies the type of data to be read from or written to the screen.
"FFF" = SCREEN-FUNCTION-VALUES	Up to three bytes of data which specify which function keys are valid as input. Up to three function keys can be defined as valid for any given input call.
"SCREEN-LITERAL"	Is an optional field used to pass a literal, up to 80 characters in length, to be displayed on the screen.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: SCREEN

Calling Sequence and Linkage: (continued)

Data Returned by SCREEN:

After successful completion SCREEN returns to the calling program. Data input on the keyboard will be contained in one of the following fields in the Linkage Section.

1. SCREEN-ALPHA-FIELD — If the call to SCREEN specified that alphanumeric data was to be input, the data received will be stored here.
2. SCREEN-NUMERIC-FIELD — If the call to SCREEN specified that numeric data was to be input, the data received will be stored here.
3. SCREEN-ANSWER — If the call to SCREEN specified that a question requiring a yes/no answer was to be asked, the answer will be stored here.
4. FUNCTION-KEY-VALUE — If the call to SCREEN allowed the entry of a Function key(s), the value of the key entered will be stored here.

NOTE: A Date entry is always returned in YYMMDD format.

Valid SCREEN Options:

The operation options that can be performed are as follows:

OPTIONS CODE:	MEANING:
IN	Accept Input
DF	Display a Field
DL	Display a Literal
DM	Display a Message
DW	Display a Wait Message
CF	Clear a Field
CL	Clear a Line
CS	Clear the Screen
CQ	Ask Change Question (ANY CHANGE ?)
CN	Ask Change Number Question (FIELD NUMBER TO CHANGE ?)
RU	Ask "ARE YOU SURE ?" Question

P R O G R A M   S P E C I F I C A T I O N S

Version: RS COBOL   System: O/E   Release: 1

Module Name: SCREEN

Valid Calling Sequences:

The required parameters and, in some cases, their exact meaning depends upon the option code specified. Parameters required for each option are given below.

IN (Accept Input)

The parameter string for the "IN" (Accept Input) option is in the format:

```
MOVE "IN,RW,PS,MX,TP,FFF" TO SCREEN-PARAMETERS.
```

where:
- RW = ROW where input is to be accepted. Must be two digits.
- PS = POSITION where input is to be accepted. Must be two digits.
- MX = the maximum number of characters to be accepted.
- TP = the type of data to be accepted. (see below for a description of the permissible types).
- FFF = characters designating which function keys are permissible (see below for more details).

Values used for the "TP" and "FFF" parameters must be valid Type and Function Key codes. Valid codes are listed in the following tables:

Valid Type Codes:

The Type Code is a two byte field that specifies the format of the data to be processed by SCREEN, i.e. alphebetic, numeric, a date etc. Based on the Type Code sepcified SCREEN will do first level validation to ensure that data entered is consistent with the format specified. Valid Type Codes and their meanings are:

TYPE CODE:	MEANING:
N	Accept an integer entry and, if the entry is non-zero, redisplay it with commas as appropriate.
*	Same as "N" except commas are not used in redisplay.
N-	Same as "N" except a negative entry is allowed.
#	Accept an integer entry. If the integer entered is zero, display a "0".
#-	Same as "#" except a negative entry is allowed.
1	Accept a numeric entry with one decimal digit.
1-	Same as "1" except a negative entry is allowed.

PROGRAM SPECIFICATIONS

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Module Name: SCREEN

Valid Calling Sequences - IN (continued)

TYPE CODE:	MEANING:
2	Accept a numeric entry with two decimal digits.
2-	Same as "2" except a negative entry is allowed.
3	Accept a numeric entry with three decimal digits.
3-	Same as "3" except a negative entry is allowed.
A	Accept an alphanumeric entry. If lower case letters are entered they will be converted to upper case.
AE	Same as "A" but echo the contents of SCREEN-ALPHA-FIELD on the screen before accepting entry.
L	Accept an alphanumeric upper or lower case entry.
LE	Same as "AE" except that lower case alphanumeric characters are allowed.
D	Accept a six digit date entry. Verify valid date and redisplay, with slashes edited in, as MM/DD/YY.
DD	Accept a six digit date entry. Verify valid date. Default to the system date if no digits were entered.
QN	Accept a yes/no answer. Default to "N".
QY	Accept a yes/no answer. Default to "Y".
Q	Accept a yes/no answer. No default is permitted.

If data entered during the execution of a "IN" operation violates the format specified by the Type Code, SCREEN generates an appropriate error message and forces re-entry of the field.

Valid Function Key designations:

Up to three function keys may be defined as valid for a given "IN" operation. Designation of valid keys is accomplished by moving the corresponding code in the table below to any one of the three "FFF" parameter fields.

The codes designating the function keys allowable are as follows:

KEY CODE:	MEANING:
A	Allow entry of the RESTART (CTRL-R) key. If entered, display "NOT PROCESSED" at the bottom of the screen.
B	Allow entry of the RESTART (CTRL-R) key, but do not display a message if entered.

PROGRAM SPECIFICATIONS

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Module Name: SCREEN

Valid Calling Sequences: - IN (continued)

KEY CODE:	MEANING:
C	Allow entry of the CTRL-P key. Used to control access to "privileged" operations or menu selections.
1-9	Allow the entry of the corresponding function key, i.e., a "2" present in one position of the function-key parameter allows entry of the F2 key.
E	Allows the entry of the TAB key (the END key).

Upon completion of an "IN" operation, SCREEN will return to the calling program with the data input from the keyboard stored in one of the following fields in the Working Storage Linkage Section. Which field contains the data is dependent upon the Type Code parameter used as follows:

Numerical Data,	Codes N, *, N-, #, #-, 1, 1-, 2, 2-, 3, and 3- are returned in SCREEN-NUMERIC-FIELD.
Alphanumeric Data,	Codes A, AE, L and LE are returned in SCREEN-ALPHA-FIELD.
Date Entries,	Codes D and DD are returned in YYMMDD format in SCREEN-NUMERIC-FIELD.
Question Answers,	Codes QN, QY and Q are returned in SCREEN-ANSWER.
Function Keys,	The value of any Function Key pressed during entry is returned in FUNCTION-KEY-VALUE.

DF (Display a Field)

The "DF" (Display a Field) option is used to display data at a specified position on the screen with any needed formatting, such as embedded commas, zero suppression, etc. The data displayed using the "DF" option is always displayed in high intensity, if available on the CRT.

The parameter string for the "DF" option is in the format:

```
MOVE "DF,RW,PS,MX,TP" TO SCREEN-PARAMETERS.
```

where:

RW = ROW where the data is to be displayed.
PS = POSITION where the data is to be displayed.
MX = The maximum size of the data to be displayed.
TP = The type of data to be displayed.

Valid Calling Sequences: - DF (continued)

If the data to be displayed is numeric, it is moved to SCREEN-NUMERIC-FIELD prior to calling the SCREEN routine. If the data is alphanumeric, it is moved to SCREEN-ALPHA-FIELD prior to calling the SCREEN routine. If it is a yes/no answer, it is moved to SCREEN-ANSWER prior to calling the SCREEN routine.

Data displayed will be edited as specified by the Type Code. (See the IN function above for valid Type Codes and their meanings)

DL (Display a Literal)

The "DL" (Display a Literal) option is used to display an alphanumeric literal at a designated position on the screen. The literal can be displayed at either high or low intensity, if available on the CRT.

The parameter string for the "DL" option is in the format:

```
MOVE "DL,RW,PS,MX[,H]" TO SCREEN-PARAMETERS.
```

where:

- RW = ROW where the literal is to be displayed.
- PS = POSITION where the literal is to be displayed.
- MX = The number of characters in the literal.
- H = An optional parameter. If the "H" is specified, the literal will be displayed in high intensity.

The literal to be displayed is moved to the field SCREEN-LITERAL prior to calling the SCREEN routine. The literal may be up to 80 characters long.

DM (Display a Message)

The "DM" (Display a Message) option is used to display a message (typically an error message) at line 24, position 1 followed by "PRESS "RETURN" TO CONTINUE". These messages are displayed at high intensity.

The parameter string for the "DM" option is in the format:

```
MOVE "DM" TO SCREEN-PARAMETERS.
```

The message to be displayed is moved to SCREEN-LITERAL prior to calling the SCREEN routine.

PROGRAM SPECIFICATIONS

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Module Name: SCREEN

Valid Calling Sequences: (continued)

DW (Display a Wait Message)

The "DW" (Display a Wait Message) option is used to display one of three frequently used wait messages. The parameter string is in the format:

```
MOVE "DW,OP" TO SCREEN-PARAMETERS.
```

where:
OP = The option designating which wait message to display as follows:

OPTION:	MEANING:
01	Clear the screen and display on line 12 the message, "PROCESSING OCCURRING ... PLEASE WAIT".
02	Clear the screen and display on line 12 the message, "PRINTING OCCURRING ... PLEASE WAIT".
03	Display at line 24, column 1 the message, "PLEASE WAIT ...". The screen is not cleared prior to displaying this message.

For options 1 and 2, if you would like to display the application name at line 1, column 1 after clearing the screen, move it to SCREEN-LITERAL prior to calling the SCREEN routine.

CF (Clear a Field)

The "CF" (Clear a Field) option is used to clear a portion of a line when you do not desire to clear the entire line. The parameter string is in the format:

```
MOVE "CF,RW,PS,MX" TO SCREEN-PARAMETERS.
```

where:
RW = ROW where the field is to be cleared.
PS = POSITION where the field is to be cleared.
MX = The number of characters that are to be cleared.

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Module Name: SCREEN

Valid Calling Sequences: (continued)

CL (Clear a Line)

The "CL" (Clear a Line) option is used to clear from any column of a line to the end of the line. The parameter string is in the format:

```
MOVE "CL,RW,PS" TO SCREEN-PARAMETERS.
```

where:
RW = ROW of the line to be cleared.
PS = Starting POSITION on the line. The line will be cleared from this column to the end of the line.

CS (Clear the Screen)

The "CS" (Clear the Screen) option is used to clear the entire screen from a designated row/column to the end of the screen. The parameter string is in the format:

```
MOVE "CL,RW,PS" TO SCREEN-PARAMETERS.
```

where:
RW and PS = the ROW and POSITION from which to clear the screen.

If the Application Name is to be displayed at row 1 position 1 after clearing the screen, move it to SCREEN-LITERAL prior to calling SCREEN.

CQ (Ask Change Question)

The "CQ" (Ask Change Question) option is used to ask, "ANY CHANGE ?" at line 24, column 1 and accept a yes/no answer. The parameter string is in the format:

```
MOVE "CQa" TO SCREEN-PARAMETERS.
```

where:
a = The default answer to the question, either "Y" or "N".

The answer will be stored in SCREEN-ANSWER upon return from SCREEN.

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Module Name: SCREEN

Valid Calling Sequences: (continued)

CN (Ask Change Number Question)

The "CN" (Ask Change Number Question) option is used to ask, "FIELD NUMBER TO CHANGE ?" and accept an integer entry. The parameter string is in the format:

```
MOVE "CN,STR,END" TO SCREEN-PARAMETERS.
```

where:
- STR = A three digit integer giving the lowest valid number than can be changed on the screen.
- END = A three digit integer giving the highest valid number that can be changed on the screen.

The field ITEM-NUMBER-TO-CHANGE will contain the integer entered after the SCREEN routine is performed.

RU (Ask "ARE YOU SURE ?" Question)

The "RU" (Ask "ARE YOU SURE ?" Question) option is typically used when an irreversible processing action is about to be undertaken and you want to ensure that the operator has not accidentally selected to perform the action. The question is displayed at line 24, column 1 and a yes/no answer must be entered. No default answer is allowed. The parameter string is in the format:

```
MOVE "RU" TO SCREEN-PARAMETERS.
```

Upon return from SCREEN, the "Y" or "N" answer entered will be stored in SCREEN-ANSWER.

PROGRAM SPECIFICATIONS

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Module Name: PRINTOUT

Enter Module From: Calling Program When Done Return To: Calling Program

General Description:

This module is an externally called program which handles all output to the system printer. It provides the following functional capabilities:

1. Print the Run Date (System Date), Company Name and Page Number on line one of the report.
2. Print a Report Title on line three of the report.
3. Print up to eight lines of explanatory Legends on the first page of the report and, optionally, up to eight Legends on all subsequent pages.
4. Print up to four lines of Report Headers.
5. Print user formated Detail Lines.
6. Automatically handle page breaks, including pagination and printing of Titles, Legends and Headers on all report pages.
7. Handle the Opening and Closing of the Printer File.

Program Functions and Notes:

PRINTOUT provides five basic functions: 1) Open the Printer, 2) Print a Line, 3) Skip a Line, 4) Skip a Page, and 5) Close the Printer. The function to be performed in response to any given call is specified in the calling parameters. Each function is addressed individually below:

Open the Printer:

Open the system printer for output and format the Top Line of the report. The Top Line contains:

Run Date:	The system date in MM/DD/YY format.
Top Name:	The Top Name passed by the calling program, usually the Company Name.
Page Number:	Initialized by PRINTOUT to zero in the Open Printer function.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRINTOUT

Program Functions and Notes: (continued)

Print a Line:

Test the LINE-COUNT parameter for a first page or a page break condition and handle these before printing the detail line passed by the calling program. When these conditions have been handled or found not to exist, print the detail line.

On a first page condition print the Top Line, skip a line, print the Report Title, skip two lines, print up to eight legend lines as specified, skip two lines and print up to four headers. Set up the LEGENDS-TO-PRINT to handle Legends from page two onwards.

On a page break condition issue a form feed, increment the page number and handle as in the first page condition. (Legends from page two onwards will have already been setup.)

Skip a Line:

Issue a Line Feed to the system printer.

Skip a Page:

Issue a form feed and perform the page break handling described above.

Close the Printer:

Issue a form feed to eject the last page printed and Close the Printer File.

Calling Sequence and Linkage:

Calling Sequence:

The PRINTOUT routine is called by an application program using the COBOL "CALL" verb as follows:

```
CALL "PRINTOUT" USING PRINT-ROUTINE-VALUES.
```

"PRINT-ROUTINE-VALUES" must be defined in the Working Storage Linkage Section of the calling program. The standard definition of PRINT-ROUTINE-VALUES is given below.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRINTOUT

Calling Sequence and Linkage: (continued)

Linkage:

Parameters are passed to PRINTOUT via the Linkage Section of the calling program. This is accomplished by MOVEing the desired parameters to the appropriate Linkage Section fields prior to calling PRINTOUT. The Linkage Section utilized is:

```
01 PRINT-ROUTINE-VALUES.
     03 APPLICATION-NAME                PIC X(80).
     03 PRINT-OPERATION                 PIC 9(1).
     03 LINE-COUNT                      PIC 9(2).
     03 REPORT-TITLE                    PIC X(132).
     03 TOP-LINE.
          05 RUN-DATE.
               07 FILLER                PIC X(10).
               07 RUN-MONTH             PIC 9(2).
               07 FILLER                PIC X(1).
               07 RUN-DAY               PIC 9(2).
               07 FILLER                PIC X(1).
               07 RUN-YEAR              PIC 9(2).
          05 FILLER                     PIC X(23).
          05 TOP-NAME                   PIC X(50).
          05 FILLER                     PIC X(37).
          05 PAGE-NUMBER                PIC 9(4).
     03 DETAIL-LINE                     PIC X(132).
     03 HEADERS-TO-PRINT                PIC 9(1).
     03 HEADERS.
          05 FILLER                     PIC X(528).
     03 HEADER-TABLE REDEFINES HEADERS
          OCCURS 4 TIMES INDEXED BY HEADER-INDEX.
          05 HEADER-LINE                PIC X(132).
     03 LEGENDS-TO-PRINT                PIC 9(1).
     03 LEGENDS-FROM-PAGE-2-ONWARD      PIC 9(1).
     03 LEGENDS.
          05 FILLER                     PIC X(528).
          05 FILLER                     PIC X(528).
     03 LEGEND-TABLE REDEFINES LEGENDS
          OCCURS 8 TIMES INDEXED BY LEGEND-INDEX.
          05 LEGEND-LINE                PIC X(132).
```

NOTE: See the COBOL Copy files PRINTER.PL and PRINTER.WS which, when included in a COBOL program via a "COPY" verb, provide an easy means for initializing parameters for PRINTOUT calls.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRINTOUT

Calling Sequence and Linkage: (continued)

The Working Storage Linkage Section fields above are further defined as follows:

APPLICATION-NAME

Used to pass a name to be displayed in the upper left hand corner of the CRT screen.

PRINT-OPERATION

Used to pass a one digit code to PRINTOUT which specifies which of the five functions is to be performed. Valid codes and their meanings are:

"1" = Open the Printer
"2" = Print a Line
"3" = Skip a Line
"4" = Skip a Page
"5" = Close the Printer

LINE-COUNT

This field is used as a counter to keep track of the number of lines printed on the current page. When LINE-COUNT is = 60 PRINTOUT initiates a page break sequence.

An application program can force a page break simply by setting LINE-COUNT to 60 prior to calling PRINTOUT.

REPORT-TITLE

Used to pass the Title of the report being printed to PRINTOUT.

TOP-LINE

This is a group item which is the first line printed on the top of each report page. RUN-DATE and PAGE-NUMBER are initialized and maintained by PRINTOUT. TOP-NAME is initialized either by the calling program or by PRINTER.PL if this "Copy" file is utilized.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRINTOUT

Calling Sequence and Linkage: (continued)

DETAIL-LINE

Used to pass a formated line of data to be printed.

NOTE: For ease of coding application programs which utilize PRINTOUT this field may be REDEFINE'd by the group data elements in which lines of the report are actually formated.

HEADERS-TO-PRINT

Used to specify the number of Header Lines to print on the report.

HEADERS - HEADER-TABLE and HEADER-LINE

These data elements define a 4 x 132 character table indexed by HEADER-INDEX in which up to four lines of Headers may be passed to PRINTOUT.

LEGENDS-TO-PRINT

Used to specify the number of lines of explanatory Legends to be printed on the first page of the report.

LEGENDS-FROM-PAGE-2-ONWARD

Used to specify the number of lines of explanatory Legends to be printed on page two and all subsequent pages.

LEGENDS - LEGEND-TABLE and LEGEND-LINE

These data elements define an 8 x 132 character table indexed by LEGEND-INDEX in which up to eight lines of explanatory Legends may be passed to PRINTOUT.

P R O G R A M   S P E C I F I C A T I O N S

Version: RS COBOL System: O/E Release: 1

Module Name: STANDARD FILE MAINTENANCE MODULE

Module Function: Add, Change, Delete and Print Records

Input: Master File(s) Files Updated: Master File(s) Output: List

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
File Definition(s)
Report Format(s)

Enter Module From: System Menu When Done Return To: System Menu

Programs in Module: MAINTENANCE MODULE, PRINT MODULE

Program Functions and Notes:

<u>MAINTENANCE MODULE</u>

<u>Add</u>

See the appropriate VDT formats and File Definitions for the application.

Display the format and allow entry of the file key. Verify that the key does not already exist on the file. If it does, display an error message and allow entry of another key.

If the key is not on file, allow entry of the remaining fields per the appropriate screen format. Allow the entry of any needed changes through the "FIELD NUMBER TO CHANGE" logic. Write the record into the file.

Allow entry of the END key in the key field to return to the menu. Allow entry of the RESTART key at any field to abort processing and return to enter a new key.

<u>Change</u>

Display the full VDT screen (per the appropriate application) and allow the entry of the key.

Attempt to read the record. If the record does not exist, display an error message and allow entry of another key.

If the record is on file, display the fields, and allow changes to the record using the "FIELD NUMBER TO CHANGE" logic.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: STANDARD FILE MAINTENANCE MODULE

If the key is to be changed, allow entry of the new key, and check to see if it already exists on the file. If it does, display an error message and allow entry of another key. If the key entered is not on file, continue any other changes and write the record with the new key into the file. Delete the record with the old key.

If the key has not been changed, rewrite the record back to the file.

Delete

Display the full VDT format and allow entry of the key.

Attempt to read the record. If it does not exist on the file, display an error message and allow entry of another key.

If the record is on file, display it and ask "OK TO DELETE THIS RECORD ?". If it is okay, delete the record from the file. If it is not okay, return to display the full VDT format and accept another key.

PRINT MODULE

Write a program to be CALLed from the maintenance module to produce a report per the appropriate report layout.

This program is linked to the maintenance module, and any data that is needed to be passed to it is coded into the LINKAGE SECTION of the print module.

P R O G R A M   S P E C I F I C A T I O N S

Version: RS COBOL   System: O/E   Release: 1

Module Name: STANDARD TRANSACTION MAINTENANCE MODULE

Module Function: Transactions: add, change, delete, list, post.

Input:	Files Updated:	Output:
Transaction File(s)	Files To Be Posted To	Edit List Register

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
File Definition(s)
Report Format(s)

Enter Module From: System Menu   When Done Return To: System Menu

Programs in Module: MAIN MODULE, ADD MODULE, CHANGE MODULE, DELETE MODULE, PRINT/POST MODULE

Program Functions and Notes:

MAIN MODULE

This program displays the application menu and allows the operator to select add, change, delete, print edit list, or post the transactions.

See related VDT formats and File Definitions.

Allow the operator to enter a selection and CALL the appropriate program. If the print or post modes are selected, pass the menu selection to the CALLed program in order to determine what title prints on the report.

ADD MODULE

This program allows entry of transactions.

See related VDT formats and File Definitions.

Allow entry of transactions per the screen layout, and write the entered transactions into the Transaction file.

Allow the END key to be pressed to exit this program and return to the application menu.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: STANDARD TRANSACTION MAINTENANCE MODULE

CHANGE MODULE

This program allows changes to previously entered transactions.

See related VDT formats and File Definitions.

Allow entry of the transaction key or a "Search Key" (one that may not be the full file key). Use the key entered to find the record. When a record is found, ask "RIGHT TRX ?". If it is not, find another record that matches the entered key and ask as above. When the right transaction is found, allow changes using the "FIELD NUMBER TO CHANGE ?" logic. If the key changes, write the new record, and delete the record with the previous key. Otherwise, rewrite the edited record.

Allow the END key to be pressed to return to the application menu.

DELETE MODULE

This program allows deletions of previously entered transactions.

Delete uses the same logic as in the change module to find the transaction.

Once the transaction is found, ask "OK TO DELETE TRX ?". If it is, delete the record from the Transaction file.

PRINT/POST MODULE

This program is CALLed for both the Edit List and Posting.

See related report layout for the Edit List and Register.

Use the passed menu selection to this program to establish what report title will be printed.

If the Edit List was selected, print the contents of the Transaction file per the related Report Format and return to the application menu.

If posting was selected, print the Register per the related Report Format and post the transactions to the appropriate files (see Program Specifications for the particular application for a description of the posting portion of the program). After posting, return to the system menu (not the application menu).

S Y S T E M   N O T E S

Version: RS COBOL   System: O/E   Release: 1

FILE USAGE MAP

PROGRAM	COMPFILE	ACCTFILE	ARCTLFIL	OECTLFIL	OECDSFIL	OEITMFIL	OERECTRX	ARCUSFIL	ARCDSFIL	OEORDHDR	OELINITM	OEBOISEL	OEBOIFIL	OEBOCSEL	OEBOCFIL
O/E Menu #1:															
OE1	X														
OEMENU1															
O/E Menu #2:															
OE2	X														
OEMENU2															
O/E Menu #3:															
OE3	X														
OEMENU3															
O/E Control File Maintenance:															
OECTLMNT				*											
Price Code Maintenance:															
OEPCDMNT					*										
OEPCDLST					X										
Commission Code Maintenence:															
OECOMMNT					*										
OECOMLST					X										

Notes: X = file is referenced
* = file is updated

S Y S T E M   N O T E S

Version: RS COBOL　　System: O/E　　Release: 1

FILE USAGE MAP

PROGRAM	COMPFILE	ACCTFILE	ARCTLFIL	OECTLFIL	OECDSFIL	OEITMFIL	OERECTRX	ARCUSFIL	ARCDSFIL	OEORDHDR	OELINITM	OEBOISEL	OEBOIFIL	OEBOCSEL	OEBOCFIL
Item File Maintenance:															
OEITMMNT				X	X	*									
OENUMITM				X		X									
OEALPITM				X		X									
Print Price List:															
OEPRCLST						X									
Print Purchasing Advice:															
OEPURADV				X		*									
Print Stock Status Report:															
OESTKSTA				X		X									
Period Closing:															
OEPCLOSE						*									
Year End Closing:															
OEYCLOSE						*									
Item Receivings Processing:															
OERECENT						X	*								
OERECREG						*	*								

Notes: X = file is referenced
* = file is updated

SYSTEM NOTES

Version: RS COBOL System: O/E Release: 1

FILE USAGE MAP

PROGRAM	COMPFILE	ACCTFILE	ARCTLFIL	OECTLFIL	OECDSFIL	OEITMFIL	OERECTRX	ARCUSFIL	ARCDSFIL	OEORDHDR	OELINITM	OEBOISEL	OEBOIFIL	OEBOCSEL	OEBOCFIL
Order Processing:															
OEOPMENU				X		X				X					
OEOEADD				*				X	X	*					
OEITMADD				X	X	*					*				
OEOECNG				X					X	*					
OEITMCNG				X	X	*					*				
OEOEDEL				X		*			X	*	*				
OEOEMISC		X	X						X						
OEORDEDT				X					X	X	X				
Print Picking Tickets:															
OEPIKTIK				X					X	X	X				
Order Inquiry:															
OEORDINQ								X	X	X	X				
Billing & Invoice Printing:															
OEBLMENU						X				X					
OEBLOSEL				X					X	*	*				
OEBLUONS				X					X	*	*				
OEBLLSEL				X	X	*					*				
OEBLMISC		X	X							*	X				
OEMNTINV	X		X												
OEINVOIC			X	*					X	*	X				
ARSLSJNL	(see A/R System File Usage Map)														
ARSLSPST	(see A/R System File Usage Map)														
OEPSTINV				*		*				*	*				

Notes: X = file is referenced
* = file is updated

S Y S T E M   N O T E S

Version: RS COBOL   System: O/E   Release: 1

FILE USAGE MAP

PROGRAM	COMPFILE	ACCTFILE	ARCTLFIL	OECTLFIL	OECDSFIL	OEITMFIL	OERECTRX	ARCUSFIL	ARCDSFIL	OEORDHDR	OELINITM	OEBOISEL	OEBOIFIL	OEBOCSEL	OEBOCFIL
Print Back Orders by Item:															
OEBOITEM						X				X	X	*	*		
Print Back Orders by Customer:															
OEBOCUST								X		X	X			*	*

Notes: X = file is referenced
* = file is updated

F I L E   D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: COMPANY-FILE

File Description: Company File

File Organization: Sequential File Type: Control Physical Record Size: 184

Select Statement:

```
SELECT COMPANY-FILE

    ASSIGN TO RANDOM "COMPFILE/DTA:1"
    ORGANIZATION IS RELATIVE
    ACCESS MODE IS RANDOM
    RELATIVE KEY IS COMPANY-FILE-KEY
    FILE STATUS IS COMPANY-FILE-STATUS.
```

File Definition:

```
FD COMPANY-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 184 CHARACTERS
    DATA RECORD IS COMPANY-RECORD.

01 COMPANY-RECORD.
    03 COMPANY-REPORT-NAME                   PIC X(50).
    03 COMPANY-DISPLAY-NAME                  PIC X(30).
    03 COMPANY-ADDRESS-LINE-1                PIC X(30).
    03 COMPANY-ADDRESS-LINE-2                PIC X(30).
    03 COMPANY-ADDRESS-LINE-3                PIC X(30).
    03 COMPANY-PHONE-NUMBER                  PIC X(12).
    03 COMPANY-PFT-CENTER-USAGE-FLAG         PIC X(1).
    03 FILLER                                PIC X(1).
```

Associated Working Storage:

```
01 COMPANY-FILE-KEY                          PIC 9(1).

01 COMPANY-FILE-STATUS                       PIC X(2).
    88 COMPANY-RECORD-FOUND                  VALUE "00".
    88 COMPANY-RECORD-NOT-FOUND              VALUE "23".
    88 COMPANY-FILE-RECORD-LOCKED            VALUE "99".

01 COMPANY-FILE-OPEN-STATUS                  PIC 9(1).
    88 COMPANY-FILE-IS-OPEN                  VALUE 1.
```

F I L E   D E F I N I T I O N

Version: RS COBOL System: A/R (used in O/E) Release: 1

File Name: AR-CONTROL-FILE

File Description: Accounts Receivable Control File

File Organization: Sequential File Type: Control Physical Record Size: 134

Select Statement:

```
SELECT AR-CONTROL-FILE

    ASSIGN TO RANDOM "ARCTLFIL/DTA:1"
    ORGANIZATION IS RELATIVE
    ACCESS MODE IS RANDOM
    RELATIVE KEY IS AR-CONTROL-FILE-KEY
    FILE STATUS IS AR-CONTROL-FILE-STATUS.
```

File Definition:

```
FD AR-CONTROL-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 134 CHARACTERS
    DATA RECORD IS AR-CONTROL-RECORD.

01 AR-CONTROL-RECORD.
    03 AR-CTL-AGING-METHOD                  PIC X(1).
    03 AR-CTL-AGING-DAYS-PERIOD-1           PIC 9(3).
    03 AR-CTL-AGING-DAYS-PERIOD-2           PIC 9(3).
    03 AR-CTL-AGING-DAYS-PERIOD-3           PIC 9(3).
    03 AR-CTL-AGING-DAYS-PERIOD-4           PIC 9(3).
    03 AR-CTL-DESCRIPTION-PERIOD-1          PIC X(12).
    03 AR-CTL-DESCRIPTION-PERIOD-2          PIC X(12).
    03 AR-CTL-DESCRIPTION-PERIOD-3          PIC X(12).
    03 AR-CTL-DESCRIPTION-PERIOD-4          PIC X(12).
    03 AR-CTL-FIN-CHRG-LEV-1-PERCENT        PIC 9(2)V999.
    03 AR-CTL-FIN-CHRG-LEV-1-CUT-OFF        PIC 9(4).
    03 AR-CTL-FIN-CHRG-LEV-2-PERCENT        PIC 9(2)V999.
    03 AR-CTL-PAST-DUE-REFERENCE            PIC X(1).
    03 AR-CTL-FIN-DUE-DAYS-MINIMUM          PIC 9(3).
    03 AR-CTL-FIN-CHRG-MINIMUM              PIC 9(2)V99.
    03 AR-CTL-PRINT-STMNT-CO-NAME           PIC X(1).
    03 AR-CTL-AR-ACCT-NO.
         05 AR-CTL-MAIN-AR-ACCT-NO          PIC 9(4) COMP-3.
         05 AR-CTL-SUB-AR-ACCT-NO           PIC 9(3) COMP-3.
    03 AR-CTL-DISTRIB-SALES-FLAG            PIC X(1).
    03 AR-CTL-DEFAULT-SALES-ACCT-NO.
         05 AR-CTL-SALES-MAIN-ACCT-NO       PIC 9(4) COMP-3.
         05 AR-CTL-SALES-SUB-ACCT-NO        PIC 9(3) COMP-3.
```

F I L E D E F I N I T I O N

Version: RS COBOL System: A/R (used in O/E) Release: 1

File Name: AR-CONTROL-FILE

File Definition: (continued)

```
    03 AR-CTL-DISTRIB-MISC-CHRG-FLAG            PIC X(1).
    03 AR-CTL-DFLT-MISC-CHRG-ACCT-NO.
         05 AR-CTL-MISC-CHRG-MAIN-ACCT-NO       PIC 9(4) COMP-3.
         05 AR-CTL-MISC-CHRG-SUB-ACCT-NO        PIC 9(3) COMP-3.
    03 AR-CTL-DISTRIB-FREIGHT-FLAG              PIC X(1).
    03 AR-CTL-DEFAULT-FREIGHT-ACCT-NO.
         05 AR-CTL-FREIGHT-MAIN-ACCT-NO         PIC 9(4) COMP-3.
         05 AR-CTL-FREIGHT-SUB-ACCT-NO          PIC 9(3) COMP-3.
    03 AR-CTL-CASH-ACCT-NO.
         05 AR-CTL-CASH-MAIN-ACCT-NO            PIC 9(4) COMP-3.
         05 AR-CTL-CASH-SUB-ACCT-NO             PIC 9(3) COMP-3.
    03 AR-CTL-DISCOUNT-ACCT-NO.
         05 AR-CTL-DISCOUNT-MAIN-ACCT-NO        PIC 9(4) COMP-3.
         05 AR-CTL-DISCOUNT-SUB-ACCT-NO         PIC 9(3) COMP-3.
    03 AR-CTL-FIN-CHRG-ACCT-NO.
         05 AR-CTL-FIN-CHRG-MAIN-ACCT-NO        PIC 9(4) COMP-3.
         05 AR-CTL-FIN-CHRG-SUB-ACCT-NO         PIC 9(3) COMP-3.
    03 AR-CTL-DEFAULT-ALLOW-ACCT-NO.
         05 AR-CTL-ALLOW-MAIN-ACCT-NO           PIC 9(4) COMP-3.
         05 AR-CTL-ALLOW-SUB-ACCT-NO            PIC 9(3) COMP-3.
    03 AR-CTL-SALESMAN-USAGE-FLAG               PIC X(1).
    03 AR-CTL-COMMISSION-USAGE-FLAG             PIC X(1).
    03 AR-CTL-DEFAULT-COMM-PERCENT              PIC 9(2)V99.
    03 AR-CTL-COSTS-USAGE-FLAG                  PIC X(1).
```

Associated Working Storage:

```
01 AR-CONTROL-FILE-KEY                          PIC 9(1).

01 AR-CONTROL-FILE-STATUS                       PIC X(2).
    88 AR-CONTROL-RECORD-NOT-FOUND              VALUE "23".
    88 AR-CONTROL-FILE-RECORD-LOCKED            VALUE "99".

01 AR-CONTROL-FILE-OPEN-STATUS                  PIC 9(1).
    88 AR-CONTROL-FILE-IS-OPEN                  VALUE 1.
```

F I L E   D E F I N I T I O N

Version: RS COBOL   System: O/E   Release: 1

File Name: VALID-GL-ACCOUNT-FILE

File Description: Valid G/L Account File

File Oranization: ISAM   File Type: Master   Physical Record Size: 30

Select Statement:

```
SELECT VALID-GL-ACCOUNT-FILE

    ASSIGN TO RANDOM "ACCTFILE/DTA:1"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS VALID-ACCOUNT-KEY
    FILE STATUS IS VALID-ACCOUNT-FILE-STATUS.
```

File Definition:

```
FD VALID-GL-ACCOUNT-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 30 CHARACTERS
    DATA RECORD IS VALID-ACCOUNT-RECORD.

01 VALID-ACCOUNT-RECORD.
    03 VALID-ACCOUNT-KEY.
         05 VALID-ACCOUNT-NO.
              07 VALID-MAIN-ACCOUNT-NO             PIC 9(4) COMP-3.
              07 VALID-SUB-ACCOUNT-NO              PIC 9(3) COMP-3.
    03 VALID-ACCOUNT-DESCRIPTION                   PIC X(25).
```

Associated Working Storage:

```
01 VALID-ACCOUNT-FILE-STATUS                       PIC X(2).
    88 VALID-ACCOUNT-FOUND                         VALUE "00".
    88 VALID-ACCOUNT-NOT-FOUND                     VALUE "23".
    88 VALID-ACCOUNT-RECORD-LOCKED                 VALUE "99".

01 VALID-ACCT-FILE-OPEN-STATUS                     PIC 9(1).
    88 VALID-ACCOUNT-FILE-IS-OPEN                  VALUE 1.
```

F I L E   D E F I N I T I O N

Version: RS COBOL   System: A/R (used in O/E)   Release: 1

File Name: AR-CODES-FILE

File Description: Accounts Receivable Codes File

File Organization: ISAM   File Type: Master   Physical Record Size: 54

Select Statement:

```
SELECT AR-CODES-FILE

    ASSIGN TO RANDOM "ARCDSFIL/DTA:1"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS AR-CODES-KEY
    FILE STATUS IS AR-CODES-FILE-STATUS.
```

File Definition:

```
FD AR-CODES-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 54 CHARACTERS
    DATA RECORDS ARE
                AR-CODES-RECORD,
                SHIP-VIA-CODE-RECORD,
                TERMS-CODE-RECORD,
                TAX-CODE-RECORD.

01 AR-CODES-RECORD.
    03 AR-CODES-KEY.
         05 AR-CODE-TYPE                         PIC X(1).
         05 AR-CODE                              PIC X(3).
    03 FILLER                                    PIC X(50).

01 SHIP-VIA-CODE-RECORD.
    03 SHIP-VIA-CODE-KEY.
         05 SHIP-VIA-CODE-TYPE                   PIC X(1).
         05 SHIP-VIA-CODE                        PIC X(1).
         05 FILLER                               PIC X(2).
    03 SHIP-VIA-CODE-DESCRIPTION                 PIC X(15).
    03 FILLER                                    PIC X(35).
```

FILE DEFINITION

Version: RS COBOL System: A/R (used in O/E) Release: 1

File Name: AR-CODES-FILE

File Definition: (continued)

```
01 TERMS-CODE-RECORD.
    03 TERMS-CODE-KEY.
        05 TERMS-CODE-TYPE                      PIC X(1).
        05 TERMS-CODE                           PIC X(1).
        05 FILLER                               PIC X(2).
    03 TERMS-CODE-DESCRIPTION                   PIC X(15).
    03 TERMS-CODE-DUE-DAYS                      PIC 9(3) COMP-3.
    03 TERMS-CODE-DISCOUNT-DAYS                 PIC 9(3) COMP-3.
    03 TERMS-CODE-DISCOUNT-PERCENT              PIC 9(2)V99 COMP-3.
    03 FILLER                                   PIC X(28).

01 TAX-CODE-RECORD.
    03 TAX-CODE-KEY.
        05 TAX-CODE-TYPE                        PIC X(1).
        05 TAX-CODE                             PIC X(3).
    03 TAX-CODE-DESCRIPTION                     PIC X(25).
    03 TAX-CODE-PERCENT-1                       PIC 9(2)V99 COMP-3.
    03 TAX-CODE-ACCOUNT-NO-1.
        05 TAX-CODE-MAIN-ACCOUNT-NO-1           PIC 9(4) COMP-3.
        05 TAX-CODE-SUB-ACCOUNT-NO-1            PIC 9(3) COMP-3.
    03 TAX-CODE-PERCENT-2                       PIC 9(2)V99 COMP-3.
    03 TAX-CODE-ACCOUNT-NO-2.
        05 TAX-CODE-MAIN-ACCOUNT-NO-2           PIC 9(4) COMP-3.
        05 TAX-CODE-SUB-ACCOUNT-NO-2            PIC 9(3) COMP-3.
    03 TAX-CODE-PERCENT-3                       PIC 9(2)V99 COMP-3.
    03 TAX-CODE-ACCOUNT-NO-3.
        05 TAX-CODE-MAIN-ACCOUNT-NO-3           PIC 9(4) COMP-3.
        05 TAX-CODE-SUB-ACCOUNT-NO-3            PIC 9(3) COMP-3.
    03 FILLER                                   PIC X(1).
```

F I L E   D E F I N I T I O N

Version: RS COBOL   System: A/R (used in O/E)   Release: 1

File Name: AR-CODES-FILE

Associated Working Storage:

```
01 AR-CODES-FILE-STATUS                         PIC X(2).
   88 AR-RECORD-FOUND                           VALUE "00".
   88 AR-RECORD-NOT-FOUND                       VALUE "23".
   88 AR-RECORD-LOCKED                          VALUE "99".
   88 SHIP-VIA-CODE-FOUND                       VALUE "00".
   88 SHIP-VIA-CODE-NOT-FOUND                   VALUE "23".
   88 SHIP-VIA-CODE-LOCKED                      VALUE "99".
   88 TERMS-CODE-FOUND                          VALUE "00".
   88 TERMS-CODE-NOT-FOUND                      VALUE "23".
   88 TERMS-CODE-LOCKED                         VALUE "99".
   88 TAX-CODE-FOUND                            VALUE "00".
   88 TAX-CODE-NOT-FOUND                        VALUE "23".
   88 TAX-CODE-LOCKED                           VALUE "99".

01 AR-CODES-FILE-OPEN-STATUS                    PIC 9(1).
   88 AR-CODES-FILE-IS-OPEN                     VALUE 1.

01 AR-CODES-TYPE-TABLE.
   03 SHIP-VIAS                                 PIC X(1) VALUE "S".
   03 TAXES                                     PIC X(1) VALUE "X".
   03 TERMS                                     PIC X(1) VALUE "T".
```

F I L E   D E F I N I T I O N

Version: RS COBOL System: A/R (used in O/E) Release: 1

File Name: SALESMAN-FILE

File Description: Salesman File

File Organization: ISAM File Type: Master Physical Record Size: 28

Select Statement:

```
SELECT SALESMAN-FILE

    ASSIGN TO RANDOM "ARSLMFIL/DTA:1"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS SALESMAN-KEY
    FILE STATUS IS SALESMAN-FILE-STATUS.
```

File Definition:

```
FD SALESMAN-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 28 CHARACTERS
    DATA RECORD IS SALESMAN-RECORD.

01 SALESMAN-RECORD.
    03 SALESMAN-KEY.
        05 SALESMAN-NO                              PIC X(3).
    03 SALESMAN-NAME                                PIC X(25).
```

Associated Working Storage:

```
01 SALESMAN-FILE-STATUS                             PIC X(2).
    88 SALESMAN-FOUND                               VALUE "00".
    88 SALESMAN-NOT-FOUND                           VALUE "23".
    88 SALESMAN-RECORD-LOCKED                       VALUE "99".

01 SALESMAN-FILE-OPEN-STATUS                        PIC 9(1).
    88 SALESMAN-FILE-IS-OPEN                        VALUE 1.
```

F I L E   D E F I N I T I O N

Version: RS COBOL System: A/R (used in O/E) Release: 1

File Name: CUSTOMER-FILE

File Description: Customer File

File Organization: ISAM File Type: Master Physical Record Size: 194

Select Statement:

```
SELECT CUSTOMER-FILE

    ASSIGN TO RANDOM "ARCUSFIL/DTA:1"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS CUSTOMER-KEY
    ALTERNATE RECORD KEY IS CUSTOMER-NAME
        WITH DUPLICATES
    FILE STATUS IS CUSTOMER-FILE-STATUS.
```

File Definition:

```
FD CUSTOMER-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 194 CHARACTERS
    DATA RECORD IS CUSTOMER-RECORD.

01 CUSTOMER-RECORD.
    03 CUSTOMER-KEY.
        05 CUSTOMER-NO                              PIC X(6).
    03 CUSTOMER-NAME                                PIC X(25).
    03 CUSTOMER-ADDRESS.
        05 CUSTOMER-STREET-1                        PIC X(25).
        05 CUSTOMER-STREET-2                        PIC X(25).
        05 CUSTOMER-CITY                            PIC X(15).
        05 CUSTOMER-STATE                           PIC X(2).
        05 CUSTOMER-ZIP-CODE                        PIC X(10).
    03 CUSTOMER-CONTACT                             PIC X(15).
    03 CUSTOMER-PHONE-NO                            PIC X(12).
    03 CUSTOMER-SALESMAN                            PIC X(3).
    03 CUSTOMER-TYPE                                PIC X(3).
    03 CUSTOMER-BAL-METHOD                          PIC X(1).
    03 CUSTOMER-STMNT-CYCLE                         PIC X(1).
    03 CUSTOMER-CREDIT-LIMIT                        PIC 9(6) COMP-3.
    03 CUSTOMER-CREDIT-RATING                       PIC X(4).
    03 CUSTOMER-FIN-CHG-FLAG                        PIC X(1).
    03 CUSTOMER-SHIP-VIA-CODE                       PIC X(1).
    03 CUSTOMER-PARTIAL-SHIP-FLAG                   PIC X(1).
```

F I L E   D E F I N I T I O N

Version: RS COBOL   System: A/R (used in O/E)   Release: 1

File Name: CUSTOMER-FILE

File Definition: (continued)

```
    03 CUSTOMER-TERMS-CODE                          PIC X(1).
    03 CUSTOMER-DISCNT-PCT                          PIC 9(2).
    03 CUSTOMER-TAX-CODE                            PIC X(3).
    03 CUSTOMER-SALES-PTD                           PIC S9(7)V99 COMP-3.
    03 CUSTOMER-SALES-YTD                           PIC S9(7)V99 COMP-3.
    03 CUSTOMER-COST-PTD                            PIC S9(7)V99 COMP-3.
    03 CUSTOMER-COST-YTD                            PIC S9(7)V99 COMP-3.
    03 CUSTOMER-COMM-PTD                            PIC S9(5)V99 COMP-3.
    03 CUSTOMER-COMM-YTD                            PIC S9(5)V99 COMP-3.
    03 CUSTOMER-BALANCE                             PIC S9(6)V99 COMP-3.
    03 FILLER                                       PIC X(1).
```

Associated Working Storage:

```
01 CUSTOMER-FILE-STATUS                             PIC X(2).
    88 CUSTOMER-FOUND                               VALUE "00".
    88 CUSTOMER-NOT-FOUND                           VALUE "23".
    88 CUSTOMER-RECORD-LOCKED                       VALUE "99".

01 CUSTOMER-FILE-OPEN-STATUS                        PIC 9(1).
    88 CUSTOMER-FILE-IS-OPEN                        VALUE 1.
```

F I L E   D E F I N I T I O N

Version: RS COBOL   System: A/R (used in O/E)   Release: 1

File Name: SALES-TRX-FILE

File Description: Sales Transaction File

File Organization: ISAM   File Type: Transaction   Physical Record Size: 82

Select Statement:

```
SELECT SALES-TRX-FILE

    ASSIGN TO RANDOM "ARSLSTRX/DTA:1"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS SALE-KEY.
    FILE STATUS IS SALE-FILE-STATUS.
```

File Definition:

```
FD SALES-TRX-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 82 CHARACTERS
    DATA RECORD IS SALES-TRX-RECORD.

01 SALES-TRX-RECORD.
    03 SALE-CUSTOMER-NO                      PIC X(6).
    03 SALE-KEY.
       05 SALE-DOCUMENT-NO                   PIC 9(6) COMP-3.
       05 SALE-DOCUMENT-TYPE                 PIC X(1).
    03 SALE-DOCUMENT-DATE                    PIC 9(6) COMP-3.
    03 SALE-APPLY-TO-NO                      PIC 9(6) COMP-3.
    03 SALE-DUE-DATE                         PIC 9(6) COMP-3.
    03 SALE-AMOUNT                           PIC S9(6)V99 COMP-3.
    03 SALE-MISCELLANEOUS-AMOUNT             PIC S9(5)V99 COMP-3.
    03 SALE-TAX-AMOUNT                       PIC S9(5)V99 COMP-3.
    03 SALE-FREIGHT-AMOUNT                   PIC S9(4)V99 COMP-3.
    03 SALE-COST-AMOUNT                      PIC S9(6)V99 COMP-3.
    03 SALE-SALESMAN-NO                      PIC X(3).
    03 SALE-COMMISSION-AMOUNT                PIC S9(5)V99 COMP-3.
    03 SALE-CUSTOMER-NAME                    PIC X(25).
    03 SALE-CUSTOMER-TAX-CODE                PIC X(3).
    03 SALE-CUSTOMER-BAL-METHOD              PIC X(1).
    03 FILLER                                PIC X(1).
```

F I L E D E F I N I T I O N

Version: RS COBOL System: A/R (used in O/E) Release: 1

File Name: SALES-TRX-FILE

Associated Working Storage:

```
01 SALE-FILE-STATUS                                 PIC X(2).
    88 SALES-TRX-RECORD-FOUND                       VALUE "00".
    88 SALES-TRX-RECORD-NOT-FOUND                   VALUE "23".
    88 SALES-TRX-RECORD-LOCKED                      VALUE "99".

01 SALES-TRX-FILE-OPEN-STATUS                       PIC 9(1).
    88 SALES-TRX-FILE-IS-OPEN                       VALUE 1.
```

F I L E D E F I N I T I O N

Version: RS COBOL System: A/R (used in O/E) Release: 1

File Name: SALES-DISTRIBUTION-TRX-FILE

File Description: Sales Distribution Transaction File

File Organization: ISAM File Type: Transaction Physical Record Size: 16

Select Statement:

```
SELECT SALES-DISTRIBUTION-TRX-FILE

    ASSIGN TO RANDOM "ARSLDTRX/DTA:1"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS SALES-DISTRIBUTION-KEY
    FILE STATUS IS SALES-DISTRIBUTION-FILE-STATUS.
```

File Definition:

```
FD SALES-DISTRIBUTION-TRX-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 16 CHARACTERS
    DATA RECORD IS SALES-DISTRIBUTION-TRX-RECORD.

01 SALES-DISTRIBUTION-TRX-RECORD.
    03 SALES-DISTRIBUTION-KEY.
         05 SALES-DISTRIBUTION-DOCUMENT-NO          PIC 9(6) COMP-3.
         05 SALES-DISTRIBUTION-TYPE                 PIC X(1).
         05 SALES-DISTRIBUTION-ACCOUNT-NO.
              07 SALES-DIST-MAIN-ACCOUNT-NO         PIC 9(4) COMP-3.
              07 SALES-DIST-SUB-ACCOUNT-NO          PIC 9(3) COMP-3.
    03 SALES-DISTRIBUTION-AMOUNT                    PIC S9(6)V99 COMP-3.
    03 FILLER                                       PIC X(1).
```

F I L E   D E F I N I T I O N

Version: RS COBOL   System: A/R (used in O/E)   Release: 1

File Name: SALES-DISTRIBUTION-TRX-FILE

Associated Working Storage:

```
01 SALES-DISTRIBUTION-FILE-STATUS                PIC X(2).
   88 SALE-DIST-TRX-FOUND                        VALUE "00".
   88 SALE-DIST-TRX-NOT-FOUND                    VALUE "23".
   88 SALE-DIST-TRX-RECORD-LOCKED                VALUE "99".

01 SALE-DIST-FILE-OPEN-STATUS                    PIC 9(1).
   88 SALE-DIST-FILE-IS-OPEN                     VALUE 1.
```

F I L E   D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: ITEM-FILE

File Description: Item File

File Organization: ISAM File Type: Master Physical Record Length: 120

Select Statement:

```
SELECT ITEM-FILE

    ASSIGN TO RANDOM "OEITMFIL/DTA:2"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS ITEM-KEY
    ALTERNATE RECORD KEY IS
           ITEM-DESCRIPTION WITH DUPLICATES
    FILE STATUS IS ITEM-FILE-STATUS.
```

File Definition:

```
FD ITEM-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 120 CHARACTERS
    DATA RECORD IS ITEM-RECORD.

01 ITEM-RECORD.
    03 ITEM-KEY.
         05 ITEM-NO                               PIC X(12).
    03 ITEM-DESCRIPTION                           PIC X(25).
    03 ITEM-PROD-CATEGORY                         PIC X(3).
    03 ITEM-PRICE-TABLE.
         05 ITEM-PRICE-1                          PIC S9(5)V99 COMP-3.
         05 ITEM-PRICE-2                          PIC S9(5)V99 COMP-3.
         05 ITEM-PRICE-3                          PIC S9(5)V99 COMP-3.
    03 ITEM-PRICE-CODE                            PIC X(2).
    03 ITEM-COMMISSION-CODE                       PIC X(2).
    03 ITEM-AVERAGE-COST                          PIC S9(5)V999 COMP-3.
    03 ITEM-LAST-COST                             PIC S9(5)V999 COMP-3.
    03 ITEM-QTY-ON-HAND                           PIC S9(5) COMP-3.
    03 ITEM-REORDER-LEVEL                         PIC S9(4) COMP-3.
    03 ITEM-QTY-COMMITTED                         PIC S9(4) COMP-3.
    03 ITEM-PRIME-VENDOR                          PIC X(6).
    03 ITEM-BACK-ORDER-CODE                       PIC X(1).
    03 ITEM-TAXABLE-CODE                          PIC X(1).
```

F I L E   D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: ITEM-FILE

File Definition: (continued)

```
    03 ITEM-LOCATION-CODE                   PIC X(4).
    03 ITEM-STOCK-STATUS                    PIC X(1).
    03 ITEM-QTY-SOLD-PTD                    PIC S9(6) COMP-3.
    03 ITEM-QTY-SOLD-YTD                    PIC S9(6) COMP-3.
    03 ITEM-SALES-PTD                       PIC S9(7)V99 COMP-3.
    03 ITEM-SALES-YTD                       PIC S9(7)V99 COMP-3.
    03 ITEM-COST-PTD                        PIC S9(7)V99 COMP-3.
    03 ITEM-COST-YTD                        PIC S9(7)V99 COMP-3.
    03 ITEM-GL-ACCOUNT-NO                   PIC 9(4) COMP-3.
    03 FILLER                               PIC X(1).
```

Associated Working Storage:

```
01 ITEM-FILE-STATUS                         PIC X(2).
    88 ITEM-FOUND                           VALUE "00".
    88 ITEM-NOT-FOUND                       VALUE "23".
    88 ITEM-LOCKED                          VALUE "92".

01 ITEM-FILE-OPEN-STATUS                    PIC 9(1).
    88 ITEM-FILE-IS-OPEN                    VALUE 1.
```

FILE DEFINITION

Version: RS COBOL System: O/E Release: 1

File Name: RECEIVINGS-TRX-FILE

File Description: Receivings Transaction File

File Organization: ISAM File Type: Transaction Physical Record Length: 50

Select Statement:

```
SELECT RECEIVINGS-TRX-FILE

    ASSIGN TO RANDOM "OERECTRX/DTA:0"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS RECV-TRX-KEY
    FILE STATUS IS RECEIVINGS-TRX-FILE-STATUS.
```

File Definition:

```
FD RECEIVINGS-TRX-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 50 CHARACTERS
    DATA RECORD IS RECEIVINGS-TRX-RECORD.

01 RECEIVINGS-TRX-RECORD.
    03 RECV-TRX-KEY                          PIC X(12).
    03 RECV-TRX-DATE-RECEIVED                PIC 9(6) COMP-3.
    03 RECV-TRX-P-O-NO                       PIC X(10).
    03 RECV-TRX-QTY-RECEIVED                 PIC 9(5) COMP-3.
    03 RECV-TRX-NEW-UNIT-COST                PIC S9(5)V999 COMP-3.
    03 RECV-TRX-NEW-PRICE-1                  PIC S9(5)V99 COMP-3.
    03 RECV-TRX-NEW-PRICE-2                  PIC S9(5)V99 COMP-3.
    03 RECV-TRX-NEW-PRICE-3                  PIC S9(5)V99 COMP-3.
    03 RECV-TRX-NEW-LOCATION-CODE            PIC X(4).
```

Associated Working Storage:

```
01 RECEIVINGS-TRX-FILE-STATUS                PIC X(2).
    88 RECEIVINGS-TRX-FOUND                  VALUE "00".
    88 RECEIVINGS-TRX-NOT-FOUND              VALUE "23".
    88 RECEIVINGS-TRX-LOCKED                 VALUE "92".

01 RECV-TRX-FILE-OPEN-STATUS                 PIC 9(1).
    88 RECEIVINGS-TRX-FILE-IS-OPEN           VALUE 1.
```

F I L E D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: ORDER-HEADER-FILE

File Description: Order Header File

File Organization: ISAM File Type: Master Physical Record Length: 370

Select Statement:

```
SELECT ORDER-HEADER-FILE

    ASSIGN TO RANDOM "OEORDHDR/DTA:3"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS ORDER-HEADER-KEY
    ALTERNATE RECORD KEY IS
         ORDER-HEADER-ALTERNATE-KEY
    FILE STATUS IS ORDER-HEADER-FILE-STATUS.
```

File Definition:

```
FD ORDER-HEADER-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 370 CHARACTERS
    DATA RECORD IS ORDER-HEADER-RECORD.

01 ORDER-HEADER-RECORD.
    03 ORDER-HEADER-ALTERNATE-KEY.
         05 ORDER-HEADER-CUSTOMER-NO              PIC X(6).
         05 ORDER-HEADER-KEY.
              07 ORDER-NO                         PIC 9(6) COMP-3.
    03 ORDER-DATE                                 PIC 9(6) COMP-3.
    03 ORDER-TYPE                                 PIC X(1).
    03 ORDER-APPLY-TO-NO                          PIC 9(6) COMP-3.
    03 ORDER-CUSTOMER-BALANCE-METHOD              PIC X(1).
    03 ORDER-CUSTOMER-TYPE                        PIC X(3).
    03 ORDER-BILL-TO-DATA.
         05 ORDER-BILL-TO-NAME                    PIC X(25).
         05 ORDER-BILL-TO-ADDRESS-1               PIC X(25).
         05 ORDER-BILL-TO-ADDRESS-2               PIC X(31).
         05 ORDER-BILL-TO-ADDRESS-3               PIC X(31).
    03 ORDER-SHIP-TO-DATA.
         05 ORDER-SHIP-TO-NAME                    PIC X(25).
         05 ORDER-SHIP-TO-ADDRESS-1               PIC X(25).
         05 ORDER-SHIP-TO-ADDRESS-2               PIC X(31).
         05 ORDER-SHIP-TO-ADDRESS-3               PIC X(31).
    03 ORDER-SALESMAN-NO                          PIC X(3).
```

F I L E   D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: ORDER-HEADER-FILE

File Definition: (continued)

```
    03 ORDER-PURCHASE-ORDER-NO                         PIC X(10).
    03 ORDER-SHIP-VIA-CODE                             PIC X(1).
    03 ORDER-TERMS-CODE                                PIC X(1).
    03 ORDER-TAX-PERCENT                               PIC 9(3)V999 COMP-3.
    03 ORDER-SHIP-DATE                                 PIC 9(6) COMP-3.
    03 ORDER-DISCOUNT-PERCENT                          PIC 9(2)V99 COMP-3.
    03 ORDER-CUSTOMER-TAX-CODE                         PIC X(3).
    03 ORDER-TOTAL-TAXABLE-AMOUNT                      PIC S9(6)V99 COMP-3.
    03 ORDER-TOTAL-SALE-AMOUNT                         PIC S9(6)V99 COMP-3.
    03 ORDER-TOTAL-COST                                PIC S9(6)V999 COMP-3.
    03 ORDER-MISC-CHARGES-AMOUNT                       PIC S9(4)V99 COMP-3.
    03 ORDER-MISC-CHARGES-ACCT-NO.
         05 ORDER-MISC-CHGS-MAIN-ACCT-NO               PIC 9(4) COMP-3.
         05 ORDER-MISC-CHGS-SUB-ACCT-NO                PIC 9(3) COMP-3.
    03 ORDER-SALES-TAX-AMOUNT                          PIC S9(5)V99 COMP-3.
    03 ORDER-FREIGHT-AMOUNT                            PIC S9(4)V99 COMP-3.
    03 ORDER-FREIGHT-ACCOUNT-NO.
         05 ORDER-FREIGHT-MAIN-ACCT-NO                 PIC 9(4) COMP-3.
         05 ORDER-FREIGHT-SUB-ACCT-NO                  PIC 9(3) COMP-3.
    03 ORDER-COMMISSION-AMOUNT                         PIC S9(5)V99 COMP-3.
    03 ORDER-COMMISSION-PERCENT                        PIC S9(2)V99 COMP-3.
    03 ORDER-COMMENTS                                  PIC X(25).
    03 ORDER-INVOICE-NO                                PIC 9(6) COMP-3.
    03 ORDER-INVOICE-DATE                              PIC 9(6) COMP-3.
    03 ORDER-DUE-DATE                                  PIC 9(6) COMP-3.
    03 ORDER-PROFIT-CENTER                             PIC 9(3) COMP-3.
    03 ORDER-SELECTION-CODE                            PIC X(1).
    03 ORDER-LAST-PICK-TICKET-DATE                     PIC 9(6) COMP-3.
    03 ORDER-DATE-ENTERED                              PIC 9(6) COMP-3.
    03 ORDER-PART-SHIP-FLAG                            PIC X(1).
    03 FILLER                                          PIC X(1).
```

F I L E D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: ORDER-HEADER-FILE

Associated Working Storage:

```
01 ORDER-HEADER-FILE-STATUS                    PIC X(2).
    88 ORDER-HEADER-FOUND                      VALUE "00".
    88 ORDER-HEADER-NOT-FOUND                  VALUE "23".
    88 ORDER-HEADER-RECORD-LOCKED              VALUE "92".

01 ORDER-HEADER-FILE-OPEN-STATUS               PIC 9(1).
    88 ORDER-HEADRE-FILE-IS-OPEN               VALUE 1.

01 ORDER-TYPES.
    03 REGULAR-ORDER                           PIC X(1) VALUE "O".
    03 INVOICE-ORDER                           PIC X(1) VALUE "I".
    03 CREDIT-ORDER                            PIC X(1) VALUE "C".

01 ORDER-STATUS-OPTIONS.
    03 ORDER-NOT-COMPLETE                      PIC X(1) VALUE SPACE.
    03 ORDER-NOT-SELECTED                      PIC X(1) VALUE "C".
    03 ORDER-COMPLETE                          PIC X(1) VALUE "C".
    03 ORDER-SELECTED                          PIC X(1) VALUE "S".
    03 ORDER-INVOICED                          PIC X(1) VALUE "I".
    03 ORDER-INVOICED-BUT-NOT-OK               PIC X(1) VALUE "X".
```

F I L E   D E F I N I T I O N

Version: RS COBOL   System: O/E   Release: 1

File Name: ORDER-LINE-ITEM-FILE

File Description: Order Line Item File

File Organization: ISAM   File Type: Master   Physical Record Length: 83

Select Statement:

```
SELECT ORDER-LINE-ITEM-FILE

    ASSIGN TO RANDOM "OELINITM/DTA:3"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS LINE-ITEM-KEY
    ALTERNATE RECORD KEY IS
         LINE-ITEM-PICKING-SEQ-KEY WITH DUPLICATES
    FILE STATUS IS LINE-ITEM-FILE-STATUS.
```

File Definition:

```
FD ORDER-LINE-ITEM-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 83 CHARACTERS
    DATA RECORD IS ORDER-LINE-ITEM-RECORD.

01 ORDER-LINE-ITEM-RECORD.
    03 LINE-ITEM-KEY.
         05 LINE-ITEM-ORDER-NO                    PIC 9(6) COMP-3.
         05 LINE-ITEM-SEQUENCE-NO                 PIC 9(3) COMP-3.
    03 LINE-ITEM-PICKING-SEQ-KEY.
         05 LINE-ITEM-ORDER-NO-ALT                PIC 9(6) COMP-3.
         05 LINE-ITEM-LOCATION-CODE               PIC X(4).
    03 LINE-ITEM-ITEM-NO                          PIC X(12).
    03 LINE-ITEM-DESCRIPTION                      PIC X(25).
    03 LINE-ITEM-QTY-ORDERED                      PIC S9(4) COMP-3.
    03 LINE-ITEM-QTY-TO-SHIP                      PIC S9(4) COMP-3.
    03 LINE-ITEM-QTY-BACK-ORDERED                 PIC S9(4) COMP-3.
    03 LINE-ITEM-QTY-RETURN-TO-INVEN              PIC S9(4) COMP-3.
    03 LINE-ITEM-BACK-ORDER-CODE                  PIC X(1).
    03 LINE-ITEM-UNIT-PRICE                       PIC S9(5)V99 COMP-3.
    03 LINE-ITEM-DISCOUNT                         PIC S9(2)V99 COMP-3.
    03 LINE-ITEM-COMMISSION-PERCENT               PIC S9(2)V99 COMP-3.
    03 LINE-ITEM-COMM-CALC-METHOD                 PIC X(1).
    03 LINE-ITEM-UNIT-COST                        PIC S9(5)V999 COMP-3.
    03 LINE-ITEM-TAXABLE-CODE                     PIC X(1).
    03 LINE-ITEM-SELECT-CODE                      PIC X(1).
    03 FILLER                                     PIC X(1).
```

F I L E   D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: ORDER-LINE-ITEM-FILE

Associated Working Storage:

```
01 LINE-ITEM-FILE-STATUS                 PIC X(2).
    88 LINE-ITEM-FOUND                   VALUE "00".
    88 LINE-ITEM-NOT-FOUND               VALUE "23".
    88 LINE-ITEM-RECORD-LOCKED           VALUE "92".

01 LINE-ITEM-FILE-OPEN-STATUS            PIC 9(1).
    88 LINE-ITEM-FILE-IS-OPEN            VALUE 1.
```

F I L E D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: BO-ITEM-SELECT-FILE

File Description: Back Order by Item Selection Work File

File Organization: ISAM File Type: Work Physical Record Length: 12

Select Statement:

```
SELECT BO-ITEM-SELECT-FILE

    ASSIGN TO RANDOM "OEBOISEL/DTA:0"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS BO-ITEM-SELECT-KEY
    FILE STATUS IS BO-ITEM-SELECT-FILE-STATUS.
```

File Definition:

```
FD BO-ITEM-SELECT-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 12 CHARACTERS
    DATA RECORD IS BO-ITEM-SELECT-RECORD.

01 BO-ITEM-SELECT-RECORD.
    03 BO-ITEM-SELECT-KEY.
         05 BO-ITEM-SELECT-ITEM-NO                      PIC X(12).
```

Associated Working Storage:

```
01 BO-ITEM-SELECT-FILE-STATUS                           PIC X(2).

01 BO-SELECT-FILE-OPEN-STATUS                           PIC 9(1).
    88 BO-ITEM-SELECT-FILE-IS-OPEN                      VALUE 1.
```

F I L E   D E F I N I T I O N

Version: RS COBOL System: O/E Release: .1

File Name: BACK-ORDER-ITEM-FILE

File Description: Back Order by Item Work File

File Organization: ISAM File Type: Work Physical Record Length: 100

Select Statement:

```
SELECT BACK-ORDER-ITEM-FILE

    ASSIGN TO RANDOM "OEBOIFIL/DTA:0"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS BACK-ORDER-ITEM-KEY
    FILE STATUS IS BACK-ORDER-ITEM-FILE-STATUS.
```

File Definition:

```
FD BACK-ORDER-ITEM-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 100 CHARACTERS
    DATA RECORD IS BACK-ORDER-ITEM-RECORD.

01 BACK-ORDER-ITEM-RECORD.
    03 BACK-ORDER-ITEM-KEY.
        05 BACK-ORDER-ITEM-NO                 PIC X(12).
        05 BACK-ORDER-ITEM-CUSTOMER-NO        PIC X(6).
        05 BACK-ORDER-ITEM-ORDER-NO           PIC 9(6) COMP-3.
        05 BACK-ORDER-TIME-KEY                PIC 9(6) COMP-3.
    03 BACK-ORDER-ITEM-DESCRIPTION            PIC X(25).
    03 BACK-ORDER-ITEM-ORDER-DATE             PIC 9(6) COMP-3.
    03 BACK-ORDER-ITEM-BILL-TO-NAME           PIC X(25).
    03 BACK-ORDER-ITEM-PO-NO                  PIC X(10).
    03 BACK-ORDER-ITEM-QTY                    PIC S9(4) COMP-3.
    03 BACK-ORDER-ITEM-UNIT-PRICE             PIC S9(5)V99 COMP-3.
    03 BACK-ORDER-ITEM-DISCOUNT-PCT           PIC S9(2) COMP-3.
    03 FILLER                                 PIC X(1).
```

F I L E   D E F I N I T I O N

Version: RS COBOL   System: O/E   Release: 1

File Name: BACK-ORDER-ITEM-FILE

Associated Working Storage:

```
01 BACK-ORDER-ITEM-FILE-STATUS                  PIC X(2).

01 BO-ITEM-FILE-OPEN-STATUS                     PIC 9(1).
    88 BACK-ORDER-ITEM-FILE-IS-OPEN             VALUE 1.
```

F I L E   D E F I N I T I O N

Version: RS COBOL   System: O/E   Release: 1

File Name: BO-CUST-SELECT-FILE

File Description: Back Order by Customer Selection Work File

File Organization: ISAM   File Type: Work   Physical Record Length: 6

Select Statement:

```
SELECT BO-CUST-SELECT-FILE

    ASSIGN TO RANDOM "OEBOCSEL/DTA:0"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS BO-CUST-SELECT-KEY
    FILE STATUS IS BO-CUST-SELECT-FILE-STATUS.
```

File Definition:

```
FD BO-CUST-SELECT-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 6 CHARACTERS
    DATA RECORD IS BO-CUST-SELECT-RECORD.

01 BO-CUST-SELECT-RECORD.
    03 BO-CUST-SELECT-KEY.
         05 BO-CUST-SELECT-CUST-NO                  PIC X(6).
```

Associated Working Storage:

```
01  BO-CUST-SELECT-FILE-STATUS                      PIC X(2).

01  BO-CUS-SELECT-FILE-OPEN-STATUS                  PIC 9(1).
    88 BO-CUST-SELECT-FILE-IS-OPEN                  VALUE 1.
```

F I L E   D E F I N I T I O N

Version: RS COBOL　　System: O/E　　Release: 1

File Name: BACK-ORDER-CUST-FILE

File Description: Back Order by Customer Work File

File Organization: ISAM　　File Type: Work　　Physical Record Length: 100

Select Statement:

```
SELECT BACK-ORDER-CUST-FILE

    ASSIGN TO RANDOM "OEBOCFIL/DTA:0"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS BACK-ORDER-CUST-KEY
    FILE STATUS IS BACK-ORDER-CUST-FILE-STATUS.
```

File Definition:

```
FD BACK-ORDER-CUST-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 100 CHARACTERS
    DATA RECORD IS BACK-ORDER-CUST-RECORD.

01 BACK-ORDER-CUST-RECORD.
    03 BACK-ORDER-CUST-KEY.
         05 BACK-ORDER-CUST-NO                   PIC X(6).
         05 BACK-ORDER-CUST-ITEM-NO              PIC X(12).
         05 BACK-ORDER-CUST-ORDER-NO             PIC 9(6) COMP-3.
         05 BACK-ORDER-TIME-KEY                  PIC 9(6) COMP-3.
    03 BACK-ORDER-CUST-ITEM-DESCR                PIC X(25).
    03 BACK-ORDER-CUST-ORDER-DATE                PIC 9(6) COMP-3.
    03 BACK-ORDER-CUST-BILL-TO-NAME              PIC X(25).
    03 BACK-ORDER-CUST-PO-NO                     PIC X(10).
    03 BACK-ORDER-CUST-QTY                       PIC S9(4) COMP-3.
    03 BACK-ORDER-CUST-UNIT-PRICE                PIC 9(5)V99 COMP-3.
    03 BACK-ORDER-CUST-DISCOUNT-PCT              PIC S9(2) COMP-3.
    03 FILLER                                    PIC X(1).
```

Associated Working Storage:

```
01 BACK-ORDER-CUST-FILE-STATUS                   PIC X(2).

01 BACK-ORDER-CUST-FILE-OPEN-STATUS              PIC 9(1).
    88 BACK-ORDER-CUST-FILE-IS-OPEN              VALUE 1.
```

FILE DEFINITION

Version: RS COBOL System: O/E Release: 1

File Name: OE-CONTROL-FILE

File Description: Order Entry Control File

File Organization: Relative File Type: Master Physical Record Length: 26

Select Statement:

```
SELECT OE-CONTROL-FILE

    ASSIGN TO RANDOM "OECTLFIL/DTA:2"
    ORGANIZATION IS RELATIVE
    ACCESS MODE IS RANDOM
    RELATIVE KEY IS OE-CONTROL-FILE-KEY
    FILE STATUS IS OE-CONTROL-FILE-STATUS.
```

File Definition:

```
FD OE-CONTROL-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 26 CHARACTERS
    DATA RECORD IS OE-CONTROL-RECORD.

01 OE-CONTROL-RECORD.
    03 OE-CTL-STARTING-ORDER-NO                  PIC 9(6).
    03 OE-CTL-STARTING-INVOICE-NO                PIC 9(6).
    03 OE-CTL-MULTIPLE-PFT-CTRS-FLAG             PIC X(1).
    03 OE-CTL-DEFAULT-PROFIT-CENTER              PIC 9(3).
    03 OE-CTL-SALESMAN-USAGE-FLAG                PIC X(1).
    03 OE-CTL-COMMISSION-USAGE-FLAG              PIC X(1).
    03 OE-CTL-COSTS-USAGE-FLAG                   PIC X(1).
    03 OE-CTL-BACK-ORDER-CONTROL-FLAG            PIC X(1).
    03 OE-CTL-DEFAULT-SALES-ACCOUNT              PIC 9(4).
    03 OE-CTL-PRINT-CO-NAME-FLAG                 PIC X(1).
    03 FILLER                                    PIC X(1).
```

F I L E   D E F I N I T I O N

Version: RS COBOL   System: O/E   Release: 1

File Name: OE-CONTROL-FILE

<u>Associated Working Storage:</u>

```
01 OE-CONTROL-FILE-KEY                          PIC 99 VALUE 1.

01 OE-CONTROL-FILE-STATUS                       PIC X(2).
   88 OE-CONTROL-RECORD-FOUND                   VALUE "00".
   88 OE-CONTROL-RECORD-NOT-FOUND               VALUE "23".
   88 OE-CONTROL-FILE-RECORD-LOCKED             VALUE "99".

01 OE-CONTROL-FILE-OPEN-STATUS                  PIC 9(1).
   88 OE-CONTROL-FILE-IS-OPEN                   VALUE 1.

01 OE-CTL-FILE-COSTING-METHODS.
   03 AVERAGE-COST                              PIC X(1) VALUE "A".
   03 LAST-COST                                 PIX X(1) VALUE "L".
```

F I L E   D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: OE-CODES-FILE

File Description: Order Entry Codes File

File Organization: ISAM File Type: Master Physical Record Length: 128

Select Statement:

```
SELECT OE-CODES-FILE

    ASSIGN TO RANDOM "OECDSFIL/DTA:2"
    ORGANIZATION IS INDEXED
    ACCESS MODE IS DYNAMIC
    RECORD KEY IS OE-CODES-KEY
    ALTERNATE RECORD KEY IS
         OE-CODES-PRICING-TYPE-KEY WITH DUPLICATES
    FILE STATUS IS OE-CODES-FILE-STATUS.
```

File Definition:

```
FD OE-CODES-FILE

    LABEL RECORDS ARE STANDARD
    RECORD CONTAINS 12 TO 128 CHARACTERS
    DATA RECORDS ARE OE-CODES-RECORD,
                     COMMISSION-CODE-RECORD,
                     PRICE-CODE-RECORD,
                     PRICE-CODE-TYPE-1-AND-3-RECORD,
                     PRICE-CODE-TYPE-2-RECORD,
                     PRICE-CODE-TYPE-4-RECORD,
                     PRICE-CODE-TYPE-5-RECORD.

01 OE-CODES-RECORD.
    03 OE-CODES-KEY.
         05 OE-CODE-TYPE                               PIC X(1).
         05 OE-CODE                                    PIC X(2).
         05 FILLER                                     PIC X(3).
    03 OE-CODES-PRICING-TYPE-KEY                       PIC X(6).
```

F I L E D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: OE-CODES-FILE

File Definition: (continued)

```
01 COMMISSION-CODE-RECORD.
    03 COMMISSION-CODE-KEY.
        05 FILLER                                   PIC X(1).
        05 COMMISSION-CODE                          PIC X(2).
        05 FILLER                                   PIC X(3).
    03 FILLER                                       PIC X(6).
    03 COMM-CODE-DESCRIPTION                        PIC X(25).
    03 COMM-CODE-PRICE-1-PERCENT                    PIC 99V99 COMP-3.
    03 COMM-CODE-PRICE-2-PERCENT                    PIC 99V99 COMP-3.
    03 COMM-CODE-PRICE-3-PERCENT                    PIC 99V99 COMP-3.
    03 COMM-CODE-PRICE-OVERRIDE-PCT                 PIC 99V99 COMP-3.
    03 COMM-CODE-CALC-METHOD-CODE                   PIC X(1).

01 PRICE-CODE-RECORD.
    03 PRICE-CODE-KEY.
        05 FILLER                                   PIC X(1).
        05 PRICE-CODE                               PIC X(2).
        05 PRICE-CODE-CUSTOMER-TYPE                 PIC X(3).
    03 PRICE-CODE-TYPE-KEY.
        05 PRICE-CODE-TYPE                          PIC 9(1).
        05 PRICE-CODE-ALTERNATE                     PIC X(2).
        05 PRICE-CODE-CUST-TYPE-ALTERNATE           PIC X(3).
    03 PRICE-CODE-DESCRIPTION                       PIC X(25).
    03 FILLER                                       PIC X(1).

01 PRICE-CODE-TYPE-1-AND-3-RECORD.
    03 FILLER                                       PIC X(37).
    03 PRICE-CODE-TYPE-1-AND-3-TABLE
        OCCURS 5 TIMES INDEXED BY TYPE-1-AND-3-INDEX.
        05 PRICE-CODE-TYPE-1-AND-3-QTY              PIC 9(4) COMP-3.
        05 PRICE-CODE-TYPE-1-AND-3-PCT              PIC 99V99 COMP-3.
```

FILE DEFINITION

Version: RS COBOL System: O/E Release: 1

File Name: OE-CODES-FILE

File Definition: (continued)

```
01 PRICE-CODE-TYPE-2-RECORD.
    03 FILLER                                        PIC X(37).
    03 PRICE-CODE-TYPE-2-TABLE
         OCCURS 5 TIMES INDEXED BY TYPE-2-TABLE-INDEX.
         05 TYPE-2-CUSTOMER-TYPE-TABLE.
              07 PRICE-CODE-TYPE-2-CUST-TYPE
                   OCCURS 5 TIMES INDEXED BY
                   TYPE-2-CUST-TYPE-INDEX            PIC X(3).
         05 PRICE-CODE-TYPE-2-DISCOUNT-PCT           PIC 99V99 COMP-3.
    03 FILLER                                        PIC X(1).

01 PRICE-CODE-TYPE-4-RECORD.
    03 FILLER                                        PIC X(37).
    03 PRICE-TYPE-4-QTY-FOR-PRICE-1                  PIC 9(4) COMP-3.
    03 PRICE-TYPE-4-QTY-FOR-PRICE-2                  PIC 9(4) COMP-3.
    03 PRICE-TYPE-4-QTY-FOR-PRICE-3                  PIC 9(4) COMP-3.
    03 FILLER                                        PIC X(1).

01 PRICE-CODE-TYPE-5-RECORD.
    03 FILLER                                        PIC X(37).
    03 PRICE-CODE-TYPE-5-TABLE
         OCCURS 3 TIMES INDEXED BY TYPE-5-TABLE-INDEX.
         05 TYPE-5-CUSTOMER-TYPE-TABLE.
              07 PRICE-CODE-TYPE-5-CUST-TYPE
                   OCCURS 5 TIMES INDEXED BY
                   TYPE-5-CUST-TYPE-INDEX            PIC X(3).
```

F I L E D E F I N I T I O N

Version: RS COBOL System: O/E Release: 1

File Name: OE-CODES-FILE

Associated Working Storage:

```
01 OE-CODES-FILE-STATUS                      PIC X(2).
    88 OE-CODE-FOUND                         VALUE "00".
    88 OE-CODE-NOT-FOUND                     VALUE "23".
    88 OE-CODE-LOCKED                        VALUE "92".
    88 COMMISSION-CODE-FOUND                 VALUE "00".
    88 COMMISSION-CODE-NOT-FOUND             VALUE "23".
    88 COMMISSION-CODE-LOCKED                VALUE "92".
    88 PRICE-CODE-FOUND                      VALUE "00".
    88 PRICE-CODE-NOT-FOUND                  VALUE "23".
    88 PRICE-CODE-LOCKED                     VALUE "92".

01 OE-CODES-FILE-OPEN-STATUS                 PIC 9(1).
    88 OE-CODES-FILE-IS-OPEN                 VALUE 1.

01 OE-CODES-TYPE-TABLE.
    03 COMMISSIONS                           PIC X(1) VALUE "C".
    03 PRICES                                PIC X(1) VALUE "P".
```

PROGRAM SPECIFICATIONS

Version: RS COBOL   System: O/E   Release: 1

Module Name: ORDER ENTRY MENU #1

Module Function: Order Entry Menu #1

Input: COMPFILE   Files Updated: None   Output: None

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)

Enter Module From: OE1   When Done Return To: OE1

Programs in Module: OE1, OEMENU1

Program Functions and Notes:

OE1

This is the O/E Driver program for the Order Entry Menu #1. It CALLs "OEMENU1" and afterwards CALLs all programs whose names are passed to it. Each program that OE1 CALLs, passes back to it the name of the next program to CALL.

This program initializes the following system wide parameters.

1. Display Company Name - Obtained from the Company File.
2. Report Company Name - Obtained from the Company File.
3. Profit Center Usage Flag - Obtained from the Company File.
4. System Date - Obtained by System Call.

OEMENU1

The Order Entry Menu #1 is the primary menu for the O/E System. It allows the selection of the most frequently used O/E applications (such as Order Processing and Billing and Invoice Printing) and CALLs the appropriate task with the use of OE1.

Display the Order Entry Menu #1 screen and accept the entry of a menu selection. Verify that the proper Data File diskettes have been mounted. When the END key is pressed, end off on processing O/E applications.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEMENU1

```
ORDER ENTRY MENU #1                                   --COMPANY NAME DISPLAYS HERE--
VERSION 1.0






                    PLEASE SELECT  9

                         1. ORDER PROCESSING
                         2. PRINT PICKING TICKETS
                         3. BILLING AND INVOICE PRINTING
                         4. ORDER INQUIRY
```

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: ORDER PROCESSING

Module Function: Order Processing: add, change, delete, list.

Input:	Files Updated:	Output:
OEITMFIL	OEITMFIL	Order Edit List
OECTLFIL	OECTLFIL	
OEORDHDR	OEORDHDR	
OELINITM	OELINITM	
OECDSFIL		
ACCTFILE		
ARCTLFIL		
ARCDSFIL		
ARCUSFIL		

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
File Definition(s)
Report Format(s)

Enter Module From: OEMENU1 When Done Return To: OEMENU1

Programs in Module: OEOPMENU, OEOEADD, OEITMADD, OEOECNG, OEITMCNG, OEOEMISC, OEOEDEL, OEORDEDT

Program Functions and Notes:

OEOPMENU

This program displays the main Order Processing Menu and calls the appropriate program. See related screen layout.

OEOEADD

This program displays the first screen in adding orders and allows entry of the main order information which is recorded in the Order Header File.

Data Entry Defaults, Validity Checks and Special Instructions:

Field 0 Order Number: Default is either the last order number entered plus one; or, the Last Order Number from the O/E Control File plus one. Validate that the Order Number is not on on file.

Field 1 Order Date: Default to System Date.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: ORDER PROCESSING

Field 2 Order Type: Display Sub-Menu defining order types "O", "I" and "C", and accept entry. Default to "O" on first order entered, or the last type entered for subsequent orders.

Field 3 Customer Number: Validate against A/R Customer File and display either Customer Name and Address, if found; or an error message if not found.

If the F1 Key was pressed in this field, accept entry of up to thirty characters of Customer Name and search the Customer File sequentially by Alternate Key. Display each Customer Name and Address read and ask "RIGHT CUSTOMER ?" until the operator responds "Y" or there is a break in Alternate Key.

Field 8 Ship To: Default to customer's billing address.

Field 12 Salesman: Default to Salesman field in customer record. Validate against Salesman File.

Field 14 Ship Via: Default to value in customer record. Validate against A/R Codes File.

Field 15 Ship Date: Defaults to "N/A" for Credit Memos or "ASAP" for Orders and Invoices

Field 16 Terms Code: Default to customer record value. Validate against A/R Codes File.

Field 17 Tax Percent: Default to the percent specified by the customer record Terms Code. On F1 Key, accept entry of a percent figure.

Field 18 Discount Percent: Default to value specified in the customer record. On F1 Key, accept entry of a value.

Field 19 Profit Center: Only displays if the A/R Control File specifies that profit centers are used. Default to Profit Center perviously entered; or, on F1 Key, accept new entry.

After all fields have been entered ask "FIELD NUMBER TO CHANGE ?" and process any changes. Then the Order Header record is written after all the fields have been entered and any changes have been made. The Selection Code for the order is set as "incomplete".

PROGRAM SPECIFICATIONS

Version: RS COBOL   System: O/E   Release: 1

Module Name: ORDER PROCESSING

This program then CALLs OEITMADD to enter the individual line items for the order.

After the items have been added, if the order is a credit memo or invoice the program CALLs OEOEMISC to complete the billing information.

The Order Header record is rewritten after all entries have been made. For Credit Memos and Invoices the Selection Code is set as "selected"; for regular orders, it is set as "complete" and may be selected for billing in the Billing and Invoice Printing module.

OEITMADD

This program allows entry of the individual items for the order and updates the quantity committed field in the Inventory Item File if Inventory Control is specified. See related screen layout and File Definitions.

Valid item numbers are entered. If the item number is a miscellaneous item, entry of the description is required, otherwise, the description is displayed from the Inventory Item File.

If the F1 key is pressed for the item number, the user is allowed to enter the item description (or part thereof). The program searches and displays all items matching that description using the Alternate Key in the Inventory Item File. If the right one is not found, another item number is entered.

After the quantity ordered field is entered, for regular orders and invoices, a check is made to see if there is inventory control and whether the item is back-orderable or not.

If there is no inventory control for the system (or none for the item), the quantity ordered becomes the quantity to ship. There is no updating of inventory done in the Inventory File.

If there is inventory control and the quantity available (quantity on hand - quantity committed in the Inventory File) is less than the quantity ordered, the quantity available is displayed and the user is allowed to select one of the options.

For a nonback-orderable item, the options are to cancel the item, order what's in stock or override. After the selection has been made, if the item was not cancelled, the inventory item qty committed is updated by adding to it the amount to be shipped and rewriting the record.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: ORDER PROCESSING

For a back-orderable item, the options are to cancel the item, back order the balance, back order the full quantity, or override the inventory. After the selection has been made, if the item was not cancelled, the inventory item quantity committed field is updated by adding to it the quantity ordered and rewriting the inventory item record.

The remaining fields for the item are entered. If the order is a credit memo, entry of quantity to be returned to inventory is allowed. If the item is a miscellaneous item, entry of the unit cost is allowed.

The unit price is calculated using the price code associated with the inventory item. The O/E Codes File is read and the price is calculated taking into account any discount on the price as set up in the O/E Codes File.

After the item is entered, changes are allowed by way of the "ANY CHANGE" question. The user is allowed to reenter, if he wishes, any field previously entered by the cursor being displayed at the end of the field and allowing the Restart Key to be pressed to enter a new amount.

The total cost for the item is calculated and added on to the totals in the Order Header record. The commission amount is calculated, based on the Commission Code for the item, and added to the Order Commission amount.

The items entered are displayed by scrolling down the screen in the order that they are entered. This is done by setting up a screen table and storing the data as it is entered into the table elements. The lines of the table are moved down, and the table is displayed.

OEOEMISC

This program is CALLed from OEOEADD and OEOECNG after the items have been added and/or changed for all credit memos and invoices. This module completes the Order Header information. See related screen layout and File Definition.

After the miscellaneous charges amount is entered, if the amount was not zero, the A/R Control File is checked to see if multiple accounts exist for miscellaneous charges. If they do, a valid account is entered.

The sales tax is calculated using the customer's tax percent and the order taxable amount. The tax is displayed and may be overridden by pressing the Restart key and entering a new amount.

The freight amount is entered. If the amount entered was not zero and multiple account exist for freight charges in the A/R Control File, a valid account is entered.

If the Commission Amount calculated and accumulated for all items on the order is zero, the Commission Percent is entered and the commission amount is calculated and displayed.

If the accumulated commission amount is not zero, then the percent is not entered, and the commission amount is displayed.

Any subsequent entry of the commission percent will result in a recalculation of the commission amount based on the entered percent.

After the fields have been entered, the record is passed back to OEOEADD and the Order Header record is rewritten.

OEOECNG

This program allows changes to the main order information of any order that has not been invoiced (as long as the order is flagged as "complete" and has not been selected for billing). The order number is entered and the contents of the Order Header record are displayed.

Changes are made and the Order Header record is rewritten. The program then calls OEITMCNG to make any changes to the individual line items.

If the order is a credit memo or invoice, the Order Header record is passed to OEOEMISC for any changes in the billing information.

After all changes have been made, the Order Header record is rewritten.

OEITMCNG

This program allows changes to the line items of an order and updates the inventory quantity committed accordingly.

A valid item number is entered. If the item is not on the order a message is displayed and the item may be added to the order if the user wishes. If the F1 key is pressed, the program will bring up the next item on file for the order.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: ORDER PROCESSING

The fields are displayed and any needed changes are entered. If the user changes the Quantity Ordered, entry of the Quantity To Ship field is required. The quantity available is displayed at the bottom of the screen. If the quantity to ship entered is less than the quantity ordered, then the remaining amount is designated as either out of stock or back ordered. The Inventory Item record is updated taking into account the quantity to ship and quantity back ordered (if any).

The END key pressed for the item number will terminate this portion of Order Entry.

OEOEDEL

This program deletes selected orders and updates the Inventory File as needed.

A valid order number is entered. The order fields are displayed. If the user wishes to delete the order, he answers "Y" to the question "OKAY TO DELETE ORDER ?". The Order Header record is deleted.

The corresponding Line Items for the order are then read. If there is Inventory Control in the system and the item has inventory control, the Inventory record is updated. If the item is back-orderable, the Line Item quantity ordered is subtracted from the Inventory Quantity Committed. If the item is nonback-orderable, the Line Item quantity to ship is subtracted from the Inventory Quantity Committed. The Inventory record is then rewritten.

The Line Items for the order are deleted.

OEORDEDT

A screen is displayed to ask what the starting and ending range should be.

After the operator enters the screen data, the order header information and corresponding line items are printed per the report format. If "ALL" orders were selected, control returns to the Order Processing Menu, otherwise, the screen is re-displayed and a new starting and ending range is obtained. Control returns to the Order Processing Menu after "ALL" orders are selected or after the END key has been pressed.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEOPMENU

```
ORDER PROCESSING                                        --COMPANY NAME DISPLAYS HERE--



                  PLEASE SELECT  9

                       1. ADD ORDERS

                       2. CHANGE/INQUIRE ORDERS

                       3. DELETE ORDERS

                       4. PRINT ORDER EDIT LIST
```

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEOEADD, OEOECNG,OEOEDEL

```
ORDER PROCESSING                                  --COMPANY NAME DISPLAYS HERE--
ADD,CHANGE/INQUIRE,DELETE
          * ORDER NO:   ZZZZZ9 (1)

         1. ORDER DATE  99/99/99 (2)
     (3) 2. ORDER TYPE  X   APPLY TO  ZZZZZ9 (4)
         3. CUS NO      XXXXXX   4. XXXXXXXXXXXXXXXXXXXXXXXXX (5)
                                 5. XXXXXXXXXXXXXXXXXXXXXXXXX
                                 6. XXXXXXXXXXXXXXXXXXXXXXXXX
                                 7. XXXXXXXXXXXXXXXXXXXXXXXXX

         8. SHIP TO     XXXXXXXXXXXXXXXXXXXXXXXXX (6)
         9.             XXXXXXXXXXXXXXXXXXXXXXXXX
        10.             XXXXXXXXXXXXXXXXXXXXXXXXX
        11.             XXXXXXXXXXXXXXXXXXXXXXXXX

        12. SALESMAN    XXX  XXXXXXXXXXXXXXXXXXXXXXXX (7)
        13. CUS PO NO   XXXXXXXXXX                                    (10)
                                             16. TERMS     X  XXXXXXXXXXXXXX
    (8) 14. SHIP VIA    X  XXXXXXXXXXXXXXX   17. TAX PCT   ZZZ.999 (11)
        15. SHIP DATE   99/99/99 (9)         18. DISC PCT  ZZ.99 (12)
                                             19. PFT CNTR  999

FIELD NUMBER TO CHANGE ? 99
```

```
RIGHT CUSTOMER ?  X (5)
O = ORDER   I = INVOICE   C = CR MEMO (3)
```

(1) DEFAULTS TO NEXT CONSECUTIVE ORDER NUMBER. (2) DEFAULTS TO SYSTEM DATE. (3) ORDER TYPE INITIALLY DEFAULTS TO "O" FOR ORDER. (4) THE APPLY-TO NUMBER IS REQUESTED FOR CR MEMOS ONLY. (5) IF F-1 KEY IS ENTERED FOR THE CUSTOMER NUMBER, THE CUSTOMER NAME MAY BE ENTERED, IN WHICH CASE "RIGHT CUSTOMER ?" IS ASKED. (6) DEFAULTS TO "SAME". (7) DEFAULTS TO SALESMAN FROM CUSTOMER RECORD. (8) SHIP VIA DEFAULTS TO VALUE FROM CUSTOMER RECORD. (9) IF SHIP DATE IS = 0, "N/A" DISPLAYS FOR CR MEMOS AND "ASAP" DISPLAYS FOR ORDERS, INVOICES. (10) DEFAULTS TO TERMS FROM CUSTOMER RECORD. (11) DEFAULTS TO TAX PERCENT ASSOCIATED WITH CUSTOMER. (12) DEFAULTS TO DISCOUNT PERCENT FROM CUSTOMER RECORD.

6.2.2

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEITMADD

```
 1 ORDER PROCESSING                                              --COMPANY NAME DISPLAYS HERE--
 2 ADD                                       (1)
 3 ORDER NO: ZZZZZ9   TYPE: XXXXXXX   CUSTOMER: XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX
 4
 5 ITEM NO            DESCRIPTION                         QTY ORD     PRICE      DIS%      EXTENDED
 6                    (2)                                     (3)
 7 XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX   Z,ZZ9-   ZZ,ZZZ.99-   Z9.99   ZZZ,ZZZ.99-
 8                                           (4) XXXXXXXXXXXXX   UNIT COST:  ZZ,ZZZ.999-
 9 XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX   Z,ZZ9-   ZZ,ZZZ.99-   Z9.99   ZZZ,ZZZ.99-
10                                               XXXXXXXXXXXXX   UNIT COST:  ZZ,ZZZ.999-
11 XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX   Z,ZZ9-   ZZ,ZZZ.99-   Z9.99   ZZZ,ZZZ.99-
12                                               XXXXXXXXXXXXX   UNIT COST:  ZZ,ZZZ.999-
13 XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX   Z,ZZ9-   ZZ,ZZZ.99-   Z9.99   ZZZ,ZZZ.99-
14                                               XXXXXXXXXXXXX   UNIT COST:  ZZ,ZZZ.999-
15 XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX   Z,ZZ9-   ZZ,ZZZ.99-   Z9.99   ZZZ,ZZZ.99-
16                                               XXXXXXXXXXXXX   UNIT COST:  ZZ,ZZZ.999-
17 XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX   Z,ZZ9-   ZZ,ZZZ.99-   Z9.99   ZZZ,ZZZ.99-
18                                               XXXXXXXXXXXXX   UNIT COST:  ZZ,ZZZ.999-
19 XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX   Z,ZZ9-   ZZ,ZZZ.99-   Z9.99   ZZZ,ZZZ.99-
20                                               XXXXXXXXXXXXX   UNIT COST:  ZZ,ZZZ.999-
21
22 ZZ9 LINE ITEMS          RUNNING QTY ORD: ZZ,ZZ9-        RUNNING TOTAL: ZZZ,ZZZ.99-
23
24 ANY CHANGE ? X
```

```
RIGHT ITEM ? X (2)
AVAIL QTY = ZZZZ9- SELECT: 1-CANCEL, 2-B/O BAL, 3-B/O ALL, 4-OVERRIDE ? X
AVAIL QTY = ZZZZ9- SELECT: 1-CANCEL, 2-ORDER IN STOCK, 3-OVERRIDE ? X
```

(1) EITHER "ORDER", "INVOICE", OR "CR MEMO" DISPLAYS HERE.
(2) AFTER F-1 KEY IS ENTERED FOR THE ITEM NUMBER, THE ITEM DESCRIPTION MAY BE ENTERED, IN WHICH CASE "RIGHT ITEM ?" IS ASKED.
(3) DISPLAYS AS "QTY CRD" FOR CREDIT MEMOS.
(4) DISPLAYS "RET-INV ZZZ9-" "Z,ZZ9-BO", OR "Z,ZZ9-OS" FOR CR MEMOS QUANTITY RETURNED TO INVENTORY, QUANTITY BACK-ORDERED ("BO") OR QUANTITY OUT-OF-STOCK ("OS"). UNIT COST IS ENTERED ONLY FOR MISCELLANEOUS ITEMS.

VIDEO TERMINAL FORMAT

Version: RS COBOL

System: O/E Release: 1 Program: OEITMCNG

6.2.4

```
 1 ORDER PROCESSING
 2 CHANGE/INQUIRE                                         --COMPANY NAME DISPLAYS HERE--
                                     (1)
 3 ORDER NO: ZZZZZ9         TYPE: XXXXXXX    CUSTOMER: XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX
 4
 5
 6
 7                       *  1. ITEM NO       XXXXXXXXXXXX
 8
 9                          2. DESCRIPTION   XXXXXXXXXXXXXXXXXXXXXXXXX
10
11                      (2) 3. QTY ORDERED   Z,ZZ9-
12
13                      (2) 4. QTY TO SHIP   Z,ZZ9- Z,ZZZ B/O (6)
14
15                          5. UNIT PRICE    ZZ,ZZZ.99-
16
17                          6. DISCOUNT %    ZZ.99
18
19                             EXT PRICE =   ZZZ,ZZZ.99-
20
21                          7. ITEM COST     ZZ,ZZZ.999
22
23
24 FIELD NUMBER TO CHANGE ? 9

RIGHT ITEM ? X (4)
ITEM NOT ON ORDER - WOULD YOU LIKE TO ADD ? X (5)
AVAILABLE QTY = ZZZZ-   XXXXXXXXXXXXXXXXXXXXXX (3)
```

(1) EITHER "ORDER", "INVOICE" OR "CR MEMO" DISPLAYS HERE. (2) DISPLAYS "3. QTY CREDITED" AND "4. QTY RETURNED" FOR CREDIT MEMOS. (3) IF THE QUANTITY-TO-SHIP IS CHANGED AND THE NEW QUANTITY-TO-SHIP EXCEEDS THE ADJUSTED QUANTITY AVAILABLE, THIS MESSAGE DISPLAYS ON LINE 24. "NON-BACKORDERABLE ITEM" OR "BACKORDERABLE ITEM" DISPLAYS BESIDE THE AVAILABLE QUANTITY DEPENDING ON WHETHER THE ITEM MAY OR MAY NOT BE BACK ORDERED. (4) THIS DISPLAYS WHEN THE ITEM IS FIRST RETRIEVED. IT DEFAULTS TO "Y". (5) THIS MESSAGE APPEARS IF AN ITEM NUMBER IS ENTERED FOR WHICH THERE IS NO LINE-ITEM ON THE ORDER. (6) "O/S" DISPLAYS HERE FOR ITEMS OUT OF STOCK. (7) CONTINUED ON NEXT PAGE.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEITMCNG

(CANT-BO) SELECT: 1-CANCEL, 2-B/O, 3-O/S
(BACKORDERABLE) SELECT: 1-CANCEL, 2-B/O, 3-O/S
(NO B/O CONTROL) SELECT: 1-CANCEL, 2-B/O, 3-O/S

(1) DISPLAY BACK ORDER SUBMENU ON LINE 24 WHEN QUANTITY TO SHIP NOT = QUANTITY ORDERED.

6.2.5

Date: JAN-82

VIDEO TERMINAL FORMAT

Version: RS COBOL   System: O/E   Release: 1   Program: OEOEMISC

```
ORDER PROCESSING                                                 --COMPANY NAME DISPLAYS HERE--
ADD, CHANGE/INQUIRE         (1)
ORDER NO: ZZZZZ9   TYPE: XXXXXXX   CUSTOMER: XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX

              ORDER NET: ZZZ,ZZZ.99-   TAXABLE NET: ZZZ,ZZZ.99-

                          1. MISC CHGS     Z,ZZZ.99-
                             MISC ACCT     9999-999  XXXXXXXXXXXXXXXXXXXXXXXXX (2)

                          2. SALES TAX     Z,ZZZ.99- (3)

                          3. FREIGHT       Z,ZZZ.99-
                             FRGHT ACCT    9999-999  XXXXXXXXXXXXXXXXXXXXXXXXX (4)

                             TOTAL =       ZZZ,ZZZ.99-

                          4. COMM PCT      ZZ.99-
                          5. COMM AMT      ZZ,ZZZ.99- (5)

                          6. COMMENTS      XXXXXXXXXXXXXXXXXXXXXXXXX




FIELD NUMBER TO CHANGE ?  9
```

(1) EITHER "INVOICE" OR "CR MEMO" DISPLAYS HERE.
(2) DISPLAYS ONLY IF MULTIPLE MISC CHARGES ACCOUNTS ARE USED.
(3) THE TAX IS AUTOMATICALLY COMPUTED AND DISPLAYED. IT MAY BE OVERRIDDEN BY PRESSING THE RESTART KEY.
(4) DISPLAYS ONLY IF MULTIPLE FREIGHT CHARGES ACCOUNTS ARE USED.
(5) THE COMMISSION AMOUNT IS AUTOMATICALLY CALCULATED AND DISPLAYED FOR ANY ITEMS WITH A NON-BLANK COMMISSION CODE. IT MAY BE OVERRIDDEN BY PRESSING THE RESTART KEY.

Date: JAN-82

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEORDEDT

```
ORDER PROCESSING                                                 --COMPANY NAME DISPLAYS HERE--
EDIT LIST







                  PLEASE ENTER:

                       1. STARTING ORDER NO   ZZZZZ9

                       2. ENDING ORDER NO     ZZZZZ9










ANY CHANGE ?  X
```

Version: RS COBOL System: O/E Release: 1 Program: OEORDEDT Report: ORDER EDIT LIST

```
RUN DATE: 99/99/99            ------------COMPANY NAME PRINTS HERE-------------                      PAGE 9999

                                              O R D E R   E D I T   L I S T


ORDER NO: ZZZZZ9   CUS NO: XXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX        SHIP TO: XXXXXXXXXXXXXXXXXXXXXXXXX
                                    XXXXXXXXXXXXXXXXXXXXXXXXX                 XXXXXXXXXXXXXXXXXXXXXXXXX
       (1) PROFIT CENTER: 999       XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX            XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                                    XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX            XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

                                                                                            (3)
ORD-DATE  ORD-TYPE  APPLY-TO  CUS-PO-NO   ---SHIP-VIA----  SHIP-DATE  -----TERMS-----  TAX-PCT SLSMN
99/99/99  XXXXXXX     ZZZZZ9  XXXXXXXXXX  XXXXXXXXXXXXXXX  99/99/99   XXXXXXXXXXXXXXX  ZZZ.999  XXX
            (2)                                              (7)                                (3)

  QTY       QTY      QTY    ITEM-NO     DESCRIPTION                   UNIT        DISC   EXTENDED        UNIT
ORDERED  SHIPPED  BK-ORD                                              PRICE       PCT      PRICE         COST
  (4)       (4)                                                                                          (5)

Z,ZZ9-   Z,ZZ9-   Z,ZZZ   XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZ,ZZZ.99CR  Z9.99  ZZZ,ZZZ.99CR  ZZ,ZZZ.999CR

Z,ZZ9-   Z,ZZ9-   Z,ZZZ   XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZ,ZZZ.99CR  Z9.99  ZZZ,ZZZ.99CR  ZZ,ZZZ.999CR

Z,ZZ9-   Z,ZZ9-   Z,ZZZ   XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZ,ZZZ.99CR  Z9.99  ZZZ,ZZZ.99CR  ZZ,ZZZ.999CR

Z,ZZ9 LINE ITEMS    COMMENTS: XXXXXXXXXXXXXXXXXXXXXXXXX                      SALE AMT: ZZZ,ZZZ.99CR
                                                                            MISC AMT: ZZZ,ZZZ.99CR     DIST TO: 9999-999 (6)
                    COMMISSION PCT: ZZ.99  COMMISSION AMT: ZZ,ZZ9.99CR      SALE TAX: ZZZ,ZZZ.99CR
                                                                            FREIGHT:  ZZZ,ZZZ.99CR     DIST TO: 9999-999 (6)
                                                                            TOTAL:    ZZZ,ZZZ.99CR
```

EACH ORDER STARTS ON SEPARATE PAGE.
(1) THE PROFIT CENTER ONLY PRINTS IF MULTIPLE PROFIT CENTERS ARE USED. (2) EITHER "ORDER", "INVOICE", OR "CR MEMO" PRINTS HERE. (3) SALESMEN DO NOT PRINT IN HEADER OR BODY IF SALESMEN ARE NOT USED. (4) "QTY CREDITED" AND "QTY RET-INV" PRINTS HERE FOR CREDIT MEMOS ONLY. (5) COSTS PRINT IN HEADER AND BODY ONLY IF COSTS ARE USED. (6) ONLY PRINTS FOR OPTIONAL ACCOUNT DISTRIBUTIONS.
(7) IF THE SHIP DATE IS = 0, "N/A" PRINTS FOR CREDIT MEMOS AND "ASAP" PRINTS FOR ORDERS AND INVOICES.

Version: RS COBOL System: O/E Release: 1 Program: OEORDEDT Report: ORDER EDIT LIST

```
RUN DATE: 99/99/99                                 ------------COMPANY NAME PRINTS HERE--------------                PAGE 9999

                                                        O R D E R   E D I T   L I S T

                                                                S U M M A R Y

ORDER NO RANGE: ZZZZZ9 TO ZZZZZ9

ORDER TOTALS:     Z,ZZ9 ORDERS       ZZ,ZZ9 LINE ITEMS    SALE AMT: Z,ZZZ,ZZZ.99CR
                                                          MISC CHG: Z,ZZZ,ZZZ.99CR
                                                          SALE TAX: Z,ZZZ,ZZZ.99CR
                                                          FREIGHT:  Z,ZZZ,ZZZ.99CR
                                                          TOTAL:    Z,ZZZ,ZZZ.99CR


INVOICE TOTALS: Z,ZZ9 INVOICES       ZZ,ZZ9 LINE ITEMS    SALE AMT: Z,ZZZ,ZZZ.99CR
                                                          MISC CHG: Z,ZZZ,ZZZ.99CR
                                                          SALE TAX: Z,ZZZ,ZZZ.99CR
                                                          FREIGHT:  Z,ZZZ,ZZZ.99CR
                                                          TOTAL:    Z,ZZZ,ZZZ.99CR


CR MEMO TOTALS: Z,ZZ9 CR MEMOS       ZZ,ZZ9 LINE ITEMS    SALE AMT: Z,ZZZ,ZZZ.99CR
                                                          MISC CHG: Z,ZZZ,ZZZ.99CR
                                                          SALE TAX: Z,ZZZ,ZZZ.99CR
                                                          FREIGHT:  Z,ZZZ,ZZZ.99CR
                                                          TOTAL:    Z,ZZZ,ZZZ.99CR


GRAND TOTALS:     Z,ZZ9 DOCUMENTS    ZZ,ZZ9 LINE ITEMS    SALE AMT: Z,ZZZ,ZZZ.99CR
                                                          MISC CHG: Z,ZZZ,ZZZ.99CR
                                                          SALE TAX: Z,ZZZ,ZZZ.99CR
                                                          FREIGHT:  Z,ZZZ,ZZZ.99CR
                                                          TOTAL:    Z,ZZZ,ZZZ.99CR
```

PROGRAM SPECIFICATIONS

Version: RS COBOL   System: O/E   Release: 1

Module Name: PRINT PICKING TICKETS

Module Function: Print picking tickets for all orders and invoices on file.

Input: OEORDHDR
OELINITM

Files Updated: None

Output: Picking Tickets

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
File Definition(s)
Report Format(s)

Enter Module From: OEMENU1   When Done Return To: OEMENU1

Programs in Module: OEPIKTIK

Program Functions and Notes:

<u>OEPIKTIK</u>

This is a program to allow the user to print picking tickets for all or selected order and invoices on file.

See related screen layout and Report Format for the printing of picking tickets.

Display the screen and allow entry of the starting and ending order numbers. If the RETURN key is pressed for the starting number, it defaults to "ALL".

Read the Order Header File sequentially. For each Order Header Record, read the Line Items sequentially for that order using the Line Item Picking Sequence key. Reading the Line Item File with the alternate key will automatically put the line items in picking sequence order. Print each picking ticket per the report layout.

If the operator selected a specific range to print, allow entry of other ranges. If the operator selected "ALL", return to the OEMENU1 after printing.

V I D E O   T E R M I N A L   F O R M A T

Version: RS COBOL   System: O/E   Release: 1   Program: OEPIKTIK

```
 1 PRINT PICKING TICKETS                                  --COMPANY NAME DISPLAYS HERE--
 2
 3
 4
 5
 6
 7
 8
 9
10                     PLEASE ENTER:
11
12                          STARTING ORDER NO   ZZZZZ9
13
14                          ENDING ORDER NO     ZZZZZ9
15
16
17
18
19
20
21
22
23
24 ANY CHANGE ?  X
```

Version: RS COBOL System: O/E Release: 1 Program: OEPIKTIK Report: PICKING TICKET

```
RUN DATE: 99/99/99 ------------COMPANY NAME PRINTS HERE-------------- PAGE 9999
                                                                           (1)
                           P I C K I N G   T I C K E T


ORDER-NO: ZZZZZ9   ORDER-DATE: 99/99/99

SOLD-TO: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXSHIP-TO: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
         XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX         XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
         XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX         XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
         XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX         XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

CUS-NO: XXXXXX   PO-NO: XXXXXXXXXX   TERMS: XXXXXXXXXXXXXXX   SALESMAN: XXX
                                                                (2)     (2)
SHIP VIA: XXXXXXXXXXXXXXX   SHIP DATE: 99/99/99   DATE SHIPPED: ..........


LOC    ITEM-NO         DESCRIPTION                  QTY      QTY      QTY
                                                  ORDERED  TO-SHIP  SHIPPED

XXXX   XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX  Z,ZZ9-   Z,ZZ9-    .......

XXXX   XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX  Z,ZZ9-   Z,ZZ9-    .......

XXXX   XXXXXXXXXXXX   XXXXXXXXXXXXXXXXXXXXXXXXX  Z,ZZ9-   Z,ZZ9-    .......


ZZ9 LINE ITEMS                                     ZZZ,ZZ9- TOTAL QTY
```

PICKING TICKETS ARE NOT PRINTED FOR CREDIT MEMOS.
(1) PAGE NUMBER STARTS AT ONE FOR EACH PICKING TICKET.
(2) SALESMAN DOES NOT PRINT IF SALESMAN ARE NOT USED.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: BILLING AND INVOICE PRINTING

Module Function: Select orders, unselect orders, print edit list, print invoices and post to A/R.

Input:	Files Updated:	Output:
OEORDHDR	OEORDHDR	Billing Edit List
OELINITM	OELINITM	Invoices
OEITMFIL	OEITMFIL	
COMPFILE	OECTLFIL	
ACCTFILE		
ARCTLFIL		
OECTLFIL		
OECDSFIL		
ARCDSFIL		

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
File Definition(s)
Report Format(s)

Enter Module From: OEMENU1 When Done Return To: OEMENU1

Programs in Module: OEBLMENU, OEBLOSEL, OEBLLSEL, OEBLMISC, OEBLOUNS, OEORDEDT, OEMNTINV, OEINVOIC, OEPSTINV

Program Functions and Notes:

OEBLMENU

This program is the menu for billing. The billing menu is displayed and an entry accepted. Then the appropriate program is called.

It CALLs the programs OEBLOSEL, OEBLOUNS, and OEMNTINV respectively to select orders, unselect orders, and print invoices. If Print Billing Edit List is selected, the Passing Flag is set to "B" and OEORDEDT is CALLed to print the report.

OEBLOSEL

This program allows selection of orders. It is called by OEBLMENU and calls OEBLLSEL and OEBLMISC respectively to select line items and process order totals.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: BILLING AND INVOICE PRINTING

The order selection screen is displayed and an order number entered. If the F1 key is pressed, the first, or next unselected order on file is found and displayed. If the end of the file is reached, an error message is displayed and the file starts over from the beginning.

If an order number is entered the record is read and displayed. If the order is not found or incomplete or is an invoice or credit memo an error message is displayed and a new order number accepted.

When a valid order has been found, changes are allowed to it. Then the Line Item Billing menu is displayed. This menu allows three selections:

1 - BILL ALL ITEMS
2 - BILL SELECTED ITEMS
3 - BILL ALL ITEMS EXCEPT X

If number 1 is selected: 1) All line items on file for the order are read, their selection codes are set to "selected" (S), and the records are rewritten. 2) The total order amount, total taxable amount, and total cost are recalculated by reading thru the line items. 3) OEBLMISC is called. 4) The order selection code is set to "selected" (S). 5) The Order Header Record is rewritten.

If number 2 is selected: 1) If the order is already selected all of the line items for the order are set to "unselected" (space). 2) OEBLLSEL is called. 3) The total order amount, total taxable amount, and total cost are recalculated figuring in only those items which have been selected in OEBLLSEL. 4) OEBLMISC is called. 5) The order selection code is set to "selected" (S). 6) The Order Header Record is rewritten.

If number 3 is selected: 1) All line items for the order are set to "selected" (S). 2) OEBLLSEL is called. 3) The total order amount, total taxable amount, and total cost are recalculated figuring in only those items which are flagged as "selected" (S). 4) OEBLMISC is called. 5) The order selection code is set to "selected" (S). 6) The Order Header Record is rewritten.

The recalculation of order header fields as mentioned in 1, 2 and 3 above is done on the total taxable amount, total sale amount, total cost, tax amount and commission amount.

The commission is calculated for each line item according to the Commission Code specified.

The above is repeated until the END key is pressed.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: BILLING AND INVOICE PRINTING

OEBLLSEL

This program allows selection of particular items on an order. The line selection screen is displayed and an inventory item number is entered.

If the F1 key is pressed, the first or next line item on file for that order is found and displayed. If there are no more line items for the order, an error message is displayed and the file starts over at the first line item of the order.

If an inventory item number is entered the first line item for the order with that item number is found and displayed (there may be more than one line item with the same item number). The question "RIGHT ITEM ?" is displayed and if it is not the right item, the next line item for the order with the same item number is found and displayed and so on until the right item is found or there are no more items on file for the order. If there are no more line items on file for the order and the right item has not been found, the message "LINE ITEM NOT ON FILE" is displayed and a new inventory item number is accepted.

Once the correct item is found the question "BILL THIS ITEM ?" is asked. If the answer is "no" the item selection code is set to "unselected" (space) and the record is rewritten. If the answer is "yes" changes are allowed, the item selection code is set to "selected" (S) and the record is rewritten.

If the item is not backorderable and the quantity to ship is changed, the quantity committed field in the Inventory File is changed to reflect this.

If the unit price is changed a test is made to see which commission percent now applies. If the new price entered is the same as price 1, 2, or 3 of the Inventory Item File the commission percentage associated with this price in the Commission Code File is used (this commission percent is moved to the commission percent field in the Line Item File). If none of these prices match the new price entered, the price override commission percent is used.

The above is repeated until the END key is pressed.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: BILLING AND INVOICE PRINTING

OEBLMISC

This program allows entry of the miscellaneous charges, freight amount, tax amount etc. (see related Data Entry Specifications) for the Order Header Record. The third order screen is displayed and fields entered. The END key is not allowed and the Restart Key just clears the screen and allows reentry of all of the fields. After all fields have been entered changes are allowed.

For the freight amount and the miscellaneous charges amount an account number is also entered if A) The amount is not zero and B) If the A/R Control File indicates that freight or miscellaneous charges amounts are distributed.

The sales tax is computed on the total taxable amount and the tax percent for the order.

The order total amount is calculated and displayed right after the freight amount is entered and is the total of the order net amount, the miscellaneous charges, the tax amount and the freight amount. If any of these amounts are changed, the total order amount is recalculated and redisplayed.

If the total commission amount for the order is not zero, it is not manually entered but is displayed and can be changed through the item number to change logic. If a commission percent is entered the commission is calculated based on this percentage and the total sale amount. This wipes out the previously calculated commission amount.

OEBLOUNS

This program allows unselection of selected orders. The order unselection screen is displayed and an order number is entered.

If the F1 key is pressed, the first, or next selected order on file is found and displayed. If the end of the file is reached, a message is displayed and the file starts over from the beginning.

If an order number is entered, the record is read and displayed. If the record is not on file or incomplete or if it is an invoice or credit memo, an error message is displayed and a new order number is entered.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: BILLING AND INVOICE PRINTING

When a valid order has been found, the question "CANCEL SELECTION OF THIS ORDER ?" is asked. If the answer is "yes" the line items for the order must all be unselected. Then the order selection code in the Order Header record is set to unselected and rewritten.

The above is repeated until the END key is pressed.

OEORDEDT

(see Order Processing Program Specifications)

OEMNTINV / OEINVOIC

This program prints invoices for all selected orders and credit memos. After printing the invoices if the printing is "OK", sales transaction records are created, and the Inventory and Order files are updated appropriately.

The invoice date and default comments are entered per the VDT layout.

The order range to be printed is entered per the VDT layout.

The Order Header File is started at the starting order number. Before printing the invoice, the program checks to ensure the order has been selected. The line items are read for that order. The invoice is printed using the Order Header Record and the selected line items for that order.

After printing the invoice, the Order Header Record is rewritten, setting the Order Selection Code to Order Invoiced But Not ok.

After the selected invoices have been printed, the question "ARE INVOICES JUST PRINTED OK ?" is asked. If they are not ok, the selected orders are rewritten setting the Order Selection Code to Order Selected. If they are okay, the orders are rewritten with the selection code of Order Invoiced.

The order range screen is redisplayed and new range or orders is entered and processing proceeds as above.

If the END key was pressed for the order range, OEPSTINV is CALLed to post invoices.

P R O G R A M   S P E C I F I C A T I O N S

Version: RS COBOL System: O/E Release: 1

Module Name: BILLING AND INVOICE PRINTING

OEPSTINV

This program reads the Order Header File and Order Line Item File and writes A/R Sales Transaction File and A/R Sales Distribution Transaction File records for subsequent posting to A/R master files.

Display a message requesting that the diskette currently in drive 1 be removed and replaced with the A/R Programs #1 diskette.

A sales transaction is written out for each invoice flagged as Order Invoiced.

If multiple distribution accounts exist for sales, freight, or miscellaneous charges, a sales distribution transaction record is written for each amount using the miscellaneous charges and freight accounts entered in order selection, and the sales account specified in the Inventory Item File for each line item. The profit center entered at order entry time is used as the last three digits of the account number.

Each selected line item record is read and the inventory item file is updated. The Quantity to Ship is subtracted from the quantity on hand. If there is Inventory Control, the Quantity to Ship is subtracted from the Quantity Committed. The Period-to-date and Year-to-date fields are updated using the Quantity Shipped, Line Item Unit Price and Discount fields.

Each line item is checked to see if there is a Quantity Back Ordered. If there is, the Quantity Back Ordered is moved to the Quantity Ordered, the Quantity to Ship is set to zero, the item is unselected and the record is rewritten. Otherwise, the Line Item Record is deleted.

After the above is done for each order, the order is checked to see if it has any line items remaining. If it does not, the Order Header Record is deleted. Otherwise, the order amounts are set to zero, the order is unselected and the Order Header Record is rewritten. If the order was an invoice order, it is changed to a regular order and the Order Header Record is rewritten for future selection of the remaining back-ordered items.

After posting is complete, display a message requesting that A/R Programs #1 diskette be removed from drive 1 and replaced with A/R Data Files A diskette. The program returns to the Billing menu.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEBLMENU

```
BILLING                                                --COMPANY NAME DISPLAYS HERE--


                   PLEASE SELECT  9

                        1. SELECT ORDERS FOR BILLING

                        2. CANCEL ORDER SELECTIONS

                        3. PRINT BILLING EDIT LIST

                        4. PRINT INVOICES
```

8.2.1

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEBLOSEL

8.2.2

```
BILLING                                           --COMPANY NAME DISPLAYS HERE--
SELECT ORDERS,CANCEL ORDER SELECTIONS
          * ORDER NO:   ZZZZZ9 (1)

         1. ORDER DATE  99/99/99
         2. ORDER TYPE  X   APPLY TO  ZZZZZ9 (2)
         3. CUS NO      XXXXXX   4. XXXXXXXXXXXXXXXXXXXXXXXXX
                                 5. XXXXXXXXXXXXXXXXXXXXXXXXX
                                 6. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                                 7. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

         8. SHIP TO     XXXXXXXXXXXXXXXXXXXXXXXXX
         9.             XXXXXXXXXXXXXXXXXXXXXXXXX
        10.             XXXXXXXXXXXXXXXXXXXXXXXXX
        11.             XXXXXXXXXXXXXXXXXXXXXXXXX

        12. SALESMAN    XXX  XXXXXXXXXXXXXXXXXXXXXXXXX
        13. CUS PO NO   XXXXXXXXXX
                                             16. TERMS     X  XXXXXXXXXXXXXXX
        14. SHIP VIA    X  XXXXXXXXXXXXXXX   17. TAX PCT   ZZZ.999
        15. SHIP DATE   99/99/99             18. DISC PCT  ZZ.99-
                                             19. PFT CNTR  999  (5)

FIELD NUMBER TO CHANGE ?  99
```

```
RIGHT ORDER ?  X (3)
SELECT: 1=BILL ALL ITEMS  2=BILL SELECTED ITEMS  3=BILL ALL ITEMS EXCEPT  X (4)
```

THERE ARE NO DEFAULTS ON THIS SCREEN EXCEPT THOSE SHOWN.

(1) PRESS F1 KEY TO GET NEXT SEQUENTIAL OPEN ORDER.

(2) THE APPLY-TO NUMBER IS REQUESTED FOR CR MEMOS ONLY.

(3) THIS DISPLAYS WHEN AN ORDER IS FIRST RETRIEVED. IT DEFAULTS TO "Y".

(4) SUBMENU DISPLAYS ON LINE 24 FOR TYPE OF SELECTION TO USE.

(5) DISPLAYS ONLY IF MULTIPLE PROFIT CENTERS ARE SPECIFIED IN THE CONTROL FILE.

VIDEO TERMINAL FORMAT

Version: RS COBOL   System: O/E   Release: 1   Program: OEBLLSEL

```
BILLING                                                     --COMPANY NAME DISPLAYS HERE--
SELECT ITEMS
ORDER NO: ZZZZZ9   TYPE: ORDER      CUSTOMER: XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX


                 * 1.  ITEM NO          XXXXXXXXXXXX

                   2.  DESCRIPTION      XXXXXXXXXXXXXXXXXXXXXXXXX

                   3.  QTY ORDERED      Z,ZZ9-

                   4.  QTY TO SHIP      Z,ZZ9-Z,ZZ9 B/O (1)

                   5.  UNIT PRICE       ZZ,ZZZ.99-

                   6.  DISCOUNT PCT     ZZ.99

                       EXT PRICE =      ZZZ,ZZZ.99-

                   7.  ITEM COST        ZZ,ZZZ.999-



FIELD NUMBER TO CHANGE ?  9
```

```
BILL THIS ITEM ?  X (2)
AVAILABLE QTY = ZZZZ-    XXXXXXXXXXXXXXXXXXXXXXX (1)
```

(1) IF THE QUANTITY-TO-SHIP IS CHANGED AND THE NEW QUANTITY-TO-SHIP EXCEEDS THE ADJUSTED QUANTITY AVAILABLE, THIS MESSAGE DISPLAYS ON LINE 24. "NON-BACKORDERABLE ITEM" OR "BACKORDERABLE" DISPLAYS BESIDE THE AVAILABLE QUANTITY DEPENDING ON WHETHER THE ITEM MAY OR MAY NOT BE BACK ORDERED.
(2) THIS DISPLAYS WHEN THE ITEM IS FIRST RETRIEVED.
(3) "O/S" DISPLAYS INSTEAD OF "B/O" TO INDICATE OUT-OF-STOCK.
(4) CONTINUED ON NEXT PAGE.

V I D E O   T E R M I N A L   F O R M A T

Version: RS COBOL   System: O/E   Release: 1   Program: OEBLLSEL

(CANT-BO) SELECT: 1-CANCEL, 2-B/O, 3-O/S
(BACKORDERABLE) SELECT: 1-CANCEL, 2-B/O, 3-O/S
(NO B/O CONTROL) SELECT: 1-CANCEL, 2-B/O, 3-O/S

(1) THE APPROPRIATE BACK ORDER SUBMENU DISPLAY ON LINE 24.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEBLMISC

```
 1 BILLING                                                    --COMPANY NAME DISPLAYS HERE--
 2 SELECT ORDERS
 3 ORDER NO: ZZZZZ9    TYPE: ORDER     CUSTOMER: XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX
 4
 5             ORDER NET: ZZZ,ZZZ.99-    TAXABLE NET: ZZZ,ZZZ.99-
 6
 7                     1. MISC CHGS    Z,ZZZ.99-
 8                        MISC ACCT    9999-999   XXXXXXXXXXXXXXXXXXXXXXXXX (1)
 9
10                     2. SALES TAX    ZZ,ZZZ.99- (2)
11
12                     3. FREIGHT      Z,ZZZ.99-
13                        FRGHT ACCT   9999-999   XXXXXXXXXXXXXXXXXXXXXXXXX (3)
14
15                        TOTAL =      ZZZ,ZZZ.99-
16
17                     4. COMM PCT     ZZ.99-
18                     5. COMM AMT     ZZ,ZZZ.99- (4)
19
20                     6. COMMENTS     XXXXXXXXXXXXXXXXXXXXXXXXX
21
22
23
24 FIELD NUMBER TO CHANGE ?  9
```

(1) DISPLAYS ONLY IF MULTIPLE MISC CHARGES ACCOUNTS ARE USED.
(2) THE TAX IS AUTOMATICALLY COMPUTED AND DISPLAYED. IT MAY BE OVERRIDDEN BY PRESSING THE RESTART KEY.
(3) DISPLAYS ONLY IF MULTIPLE FREIGHT CHARGES ACCOUNTS ARE USED.
(4) THE COMMISSION AMOUNT IS AUTOMATICALLY CALCULATED AND DISPLAYED FOR ANY ITEMS WITH A NON-BLANK COMMISSISON CODE. IT MAY BE OVERRIDDEN BY PRESSING THE RESTART KEY.

Date: JAN-82

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEORDEDT

```
BILLING                                                     --COMPANY NAME DISPLAYS HERE--
EDIT LIST







                   PLEASE ENTER:

                        1. STARTING ORDER NO    ZZZZZ9

                        2. ENDING ORDER NO      ZZZZZ9









FIELD NUMBER TO CHANGE ?  9
```

8.2.6

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEMNTINV

```
Line 1:  PRINT INVOICES                                      --COMPANY NAME DISPLAYS HERE--
Line 11:                   PLEASE MOUNT INVOICE FORMS ON PRINTER
Line 13:                   TYPE "DONE" WHEN READY  XXXX
```

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEMNTINV

PRINT INVOICES --COMPANY NAME DISPLAYS HERE--

PRINT ALIGNMENT ? X

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEMNTINV

```
PRINT INVOICES                                                  --COMPANY NAME DISPLAYS HERE--






                  PLEASE ENTER:

                       1. INVOICE DATE         99/99/99 (1)

                       2. STARTING ORDER NO    ZZZZZ9

                       3. ENDING ORDER NO      ZZZZZ9

                       4. DEFAULT COMMENTS     XXXXXXXXXXXXXXXXXXXXXXXXX








FIELD NUMBER TO CHANGE ?  9
```

(1) DEFAULTS TO SYSTEM DATE.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEINVOIC

1	PRINT INVOICES --COMPANY NAME DISPLAYS HERE--
11	ARE INVOICES JUST PRINTED OK ? X

RESTART INVOICE PRINTING OR RETURN TO BILLING MENU ? X (1)
R = RESTART INVOICE PRINTING M = RETURN TO BILLING MENU (2)

(1) THIS QUESTION IS ASKED (ON ROW 13) IF THE INVOICES ARE NOT OK.
(2) THIS SUBMENU DISPLAYS ON LINE 23 AS A PROMPT TO (1).

Version: RS COBOL System: O/E Release: 1 Program: OEORDEDT Report: BILLING EDIT LIST

```
RUN DATE: 99/99/99                 ------------COMPANY NAME PRINTS HERE--------------             PAGE 9999

                                                B I L L I N G   E D I T   L I S T


ORDER NO: ZZZZZ9  CUS NO: XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX   SHIP TO: XXXXXXXXXXXXXXXXXXXXXXXXX
                                  XXXXXXXXXXXXXXXXXXXXXXXXX            XXXXXXXXXXXXXXXXXXXXXXXXX
      (1) PROFIT CENTER: 999      XXXXXXXXXXXXXXXXXXXXXXXXX            XXXXXXXXXXXXXXXXXXXXXXXXX
                                  XXXXXXXXXXXXXXXXXXXXXXXXX            XXXXXXXXXXXXXXXXXXXXXXXXX

                                                                                         (3)
ORD-DATE  ORD-TYPE  APPLY-TO  CUS-PO-NO   ---SHIP-VIA----  SHIP-DATE  -----TERMS-----  TAX-PCT SLSMN
99/99/99  XXXXXXX    ZZZZZ9   XXXXXXXXXX  XXXXXXXXXXXXXXX  99/99/99   XXXXXXXXXXXXXXX   ZZ.99   XXX
            (2)                                                                                 (3)

 QTY       QTY      QTY    ITEM-NO      DESCRIPTION                   UNIT     DISC  EXTENDED    QTY        UNIT
ORDERED  SHIPPED  BK-ORD                                              PRICE    PCT     PRICE    RET-INV     COST
                                                                                                 (4)        (5)

Z,ZZ9-   Z,ZZ9-   Z,ZZZ  XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZ,ZZZ.99CR  Z9  ZZZ,ZZZ.99CR Z,ZZZ  ZZ,ZZZ.99CR

Z,ZZ9-   Z,ZZ9-   Z,ZZZ  XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZ,ZZZ.99CR  Z9  ZZZ,ZZZ.99CR Z,ZZZ  ZZ,ZZZ.99CR

Z,ZZ9-   Z,ZZ9-   Z,ZZZ  XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZ,ZZZ.99CR  Z9  ZZZ,ZZZ.99CR Z,ZZZ  ZZ,ZZZ.99CR

Z,ZZ9 LINE ITEMS    COMMENTS: XXXXXXXXXXXXXXXXXXXXXXXXX             SALE AMT: ZZZ,ZZZ.99CR
                                                                  MISC AMT: ZZZ,ZZZ.99CR  DIST TO: 9999-999 (6)
                                                                  SALE TAX: ZZZ,ZZZ.99CR
                                                                  FREIGHT:  ZZZ,ZZZ.99CR  DIST TO: 9999-999 (6)
                                                                  TOTAL:    ZZZ,ZZZ.99CR
```

EACH ORDER STARTS ON SEPARATE PAGE.
(1) THE PROFIT CENTER ONLY PRINTS IF MULTIPLE PROFIT CENTERS ARE USED. (2) EITHER "ORDER", "INVOICE", OR "CR MEMO" PRINTS HERE.
(3) THE QUANTITY-RETURNED-TO-INVENTORY PRINTS IN HEADER AND BODY FOR CREDIT MEMOS ONLY. (4) SALESMEN DO NOT PRINT IN HEADER OR BODY IF SALESMEN ARE NOT USED. (5) COSTS PRINT IN HEADER AND BODY ONLY IF COSTS ARE USED. (6) ONLY PRINTS FOR OPTIONAL ACCOUNT DISTRIBUTIONS.

Version: RS COBOL System: O/E Release: 1 Program: OEORDEDT Report: BILLING EDIT LIST

```
RUN DATE: 99/99/99          ------------COMPANY NAME PRINTS HERE--------------                 PAGE 9999
                                   B I L L I N G   E D I T   L I S T
                                             S U M M A R Y

ORDER NO RANGE: ZZZZZ9 TO ZZZZZ9

ORDER TOTALS:    Z,ZZ9 ORDERS       ZZ,ZZ9 LINE ITEMS    SALE AMT: Z,ZZZ,ZZZ.99CR
                                                         MISC CHG: Z,ZZZ,ZZZ.99CR
                                                         SALE TAX: Z,ZZZ,ZZZ.99CR
                                                         FREIGHT:  Z,ZZZ,ZZZ.99CR
                                                         TOTAL:    Z,ZZZ,ZZZ.99CR

INVOICE TOTALS: Z,ZZ9 INVOICES      ZZ,ZZ9 LINE ITEMS    SALE AMT: Z,ZZZ,ZZZ.99CR
                                                         MISC CHG: Z,ZZZ,ZZZ.99CR
                                                         SALE TAX: Z,ZZZ,ZZZ.99CR
                                                         FREIGHT:  Z,ZZZ,ZZZ.99CR
                                                         TOTAL:    Z,ZZZ,ZZZ.99CR

CR MEMO TOTALS: Z,ZZ9 CR MEMOS      ZZ,ZZ9 LINE ITEMS    SALE AMT: Z,ZZZ,ZZZ.99CR
                                                         MISC CHG: Z,ZZZ,ZZZ.99CR
                                                         SALE TAX: Z,ZZZ,ZZZ.99CR
                                                         FREIGHT:  Z,ZZZ,ZZZ.99CR
                                                         TOTAL:    Z,ZZZ,ZZZ.99CR

GRAND TOTALS:    Z,ZZ9 DOCUMENTS    ZZ,ZZ9 LINE ITEMS    SALE AMT: Z,ZZZ,ZZZ.99CR
                                                         MISC CHG: Z,ZZZ,ZZZ.99CR
                                                         SALE TAX: Z,ZZZ,ZZZ.99CR
                                                         FREIGHT:  Z,ZZZ,ZZZ.99CR
                                                         TOTAL:    Z,ZZZ,ZZZ.99CR
```

8.3.2

8.3.3

Date: JAN-82 REPORT FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEINVOIC Report: INVOICE

```
 5          (1)    XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    ZZZZZ9 Z9
 6          (1)              XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 7          (1)              XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 8          (1)              XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 9                                                                       99/99/99

15          XXXXXXXXXXXXXXXXXXXXXXXXX              XXXXXXXXXXXXXXXXXXXXXXXXX
16          XXXXXXXXXXXXXXXXXXXXXXXXX              XXXXXXXXXXXXXXXXXXXXXXXXX
17          XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX        XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
18          XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX        XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

22  ZZZZZ9 99/99/99 XXXXXX XXX XXXXXXXXXX XXXXXXXXXXXXXXX 99/99/99 XXXXXXXXXXXXXXX

26 -ZZZ9 -ZZZ9 -ZZZZ XXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR ZZZ,ZZZ.99CR

28 -ZZZ9 -ZZZ9 -ZZZZ XXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR ZZZ,ZZZ.99CR

30 -ZZZ9 -ZZZ9 -ZZZZ XXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR ZZZ,ZZZ.99CR
```

(1) COMPANY NAME AND ADDRESS LINES ONLY PRINT IF "Y" (YES) WAS ANSWERED TO "PRINT CO NAME ON INVOICE" IN THE O/E CONTROL FILE.

Date: JAN-82 REPORT FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEINVOIC Report: INVOICE

```
(LINE 59)                                      XXXXXXXXXXXXXXXXXXXXXXXXX             ZZZ,ZZZ.99CR

                                                                                       Z,ZZZ.99CR
                                                                                     ZZ,ZZZ.99CR
                                                                                       Z,ZZZ.99CR

                                                                                  Z,ZZZ,ZZZ.99CR
```

PROGRAM SPECIFICATIONS

Version: RS COBOL   System: O/E   Release: 1

Module Name: ORDER INQUIRY

Module Function: Display a specified order on the CRT screen.

Input: OEORDHDR
OELINITM
ARCUSFIL
ARCDSFIL

Files Updated: None

Output: None

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
File Definition(s)

Enter Module From: OEMENU1   When Done Return To: OEMENU1

Programs in Module: OEORDINQ

Program Functions and Notes:

OEORDINQ

This program displays all pertainent data regarding an order on the CRT. The operator selects an order by entering either Customer Number or F1 Key and Customer Name; and either an Order Number or a sequential search of orders for that customer.

Accept entry of either a valid Customer Number or the F1 Key in the Customer Number field. If a number was entered, validate it against the Customer File. If the F1 Key was pressed, accept entry of up to twenty five characters of customer name. Read the Customer File by Alternate Key using the Customer Name entered, display each Customer Name read and ask "RIGHT CUSTOMER ?" until either the operator answers "Y" or there is a break in Customer Name.

Accept entry of an Order Number and, if a number was entered, validate it against the Order Header File. If a number was not entered, read the Order Header File sequentially displaying each order for the entered customer and asking "RIGHT ORDER ?" until either the operator answers "Y" or there is a Customer Number break.

Once the correct order has been found, read and display the associated line items from the Order Line Item File. The F1 Key controls paging through line items. The F2 Key causes order totals to be displayed. The Restart Key aborts display of this order.

Date: JAN-82

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEORDINQ

```
 1  ORDER INQUIRY                                           --COMPANY NAME DISPLAYS HERE--
 2
 3  CUSTOMER NO: XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX
 4                       XXXXXXXXXXXXXXXXXXXXXXXXX
 5                       XXXXXXXXXXXXXXXXXXXXXXXXX
 6                       XXXXXXXXXXXXXXX  XX  XXXXXXXXXX
 ...
24  RIGHT CUSTOMER ?  X
```

UNTIL THE RIGHT CUSTOMER HAS BEEN FOUND, THE SCREEN LOOKS LIKE THIS. IF THE F-1 KEY IS ENTERED FOR THE CUSTOMER NUMBER, THE CUSTOMER NAME MAY BE ENTERED. WHEN THE RIGHT CUSTOMER HAS BEEN FOUND, THE SCREEN CHANGES TO THE FORMAT OF THE NEXT PAGE.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEORDINQ

9.2.2

```
ORDER INQUIRY                                          --COMPANY NAME DISPLAYS HERE--
                                                              (1)
CUSTOMER NO: XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ORDER NO: ZZZZZ9  XXXXXXX (2)

-------------SOLD-TO----------- ------------SHIP-TO------------- --ORDER-STATUS--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  ENTERED  99/99/99
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  PICKED   99/99/99
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  BILLED   99/99/99
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                                                  (3)
ORDER-DATE  CUS-PO-NO   SHIP-VIA           SHIP-DATE  TERMS              TAX-PCT  SLMN
 99/99/99   XXXXXXXXX   XXXXXXXXXXXXXXX     99/99/99  XXXXXXXXXXXXXXX    ZZZ.999  XXX

QTY-ORD QTY-SH QTY-BO  ITEM          DESCRIPTION               UNIT-PRICE  DIS%
 Z,ZZ9-  Z,ZZ9-  Z,ZZZOS XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR Z9.99
 Z,ZZ9-  Z,ZZ9-  Z,ZZZ   XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR Z9.99
 Z,ZZ9-  Z,ZZ9-  Z,ZZZ   XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR Z9.99
 Z,ZZ9-  Z,ZZ9-  Z,ZZZ   XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR Z9.99
 Z,ZZ9-  Z,ZZ9-  Z,ZZZ   XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR Z9.99
 Z,ZZ9-  Z,ZZ9-  Z,ZZZ   XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR Z9.99
 Z,ZZ9-  Z,ZZ9-  Z,ZZZ   XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR Z9.99
 Z,ZZ9-  Z,ZZ9-  Z,ZZZ   XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX ZZ,ZZZ.99CR Z9.99

RIGHT ORDER ?  X

PRESS F1 TO SEE NEXT LINE ITEMS - PRESS F2 TO SEE TOTALS
NO MORE LINE ITEMS FOR THIS ORDER - PRESS F2 TO SEE TOTALS
NO MORE ORDERS FOR THIS CUSTOMER - PRESS END TO CONTINUE
```

(1) DEFAULTS TO THE NEXT ORDER NUMBER FOR THE CUSTOMER, STARTING WITH THE LOWEST ORDER NUMBER. END KEY RETURNS CURSOR TO CUSTOMER NUMBER.

(2) EITHER "ORDER", "INVOICE" OR "CR MEMO" DISPLAYS HERE.

(3) IF THE SHIP DATE = 0, "N/A" DISPLAYS FOR CR MEMOS AND "ASAP" DISPLAYS FOR ORDERS AND INVOICES.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEORDINQ

```
ORDER INQUIRY                                                   --COMPANY NAME DISPLAYS HERE--

CUSTOMER NO: XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ORDER NO: ZZZZZ9  XXXXXXX

------------SOLD-TO------------ ------------SHIP-TO-------------- --ORDER-STATUS--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  ENTERED  99/99/99
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  PICKED   99/99/99
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  BILLED   99/99/99
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                                          (3)
ORDER-DATE  CUS-PO-NO   SHIP-VIA        SHIP-DATE  TERMS           TAX-PCT  SLMN
 99/99/99   XXXXXXXXXX  XXXXXXXXXXXXXXX  99/99/99  XXXXXXXXXXXXXXX ZZZ.999  XXX


TOTALS: Z,ZZ9 LINE ITEMS   SALE AMT:  ZZZ,ZZZ.99CR
                           MISC AMT:  ZZZ,ZZZ.99CR
                           SALE TAX:  ZZZ,ZZZ.99CR
                           FREIGHT:   ZZZ,ZZZ.99CR
                           TOTAL:     ZZZ,ZZZ.99CR

COMMENTS: XXXXXXXXXXXXXXXXXXXXXXXXX


END OF ORDER                                        PRESS "ENTER" TO CONTINUE
```

9.2.3

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: ORDER ENTRY MENU #2

Module Function: Order Entry Menu #2

Input: COMPFILE Files Updated: None Output: None

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)

Enter Module From: OE2 When Done Return To: OE2

Programs in Module: OE2, OEMENU2

Program Functions and Notes:

OE2

This is the O/E Driver program for the Order Entry Menu #2. It CALLs "OEMENU2" and afterwards CALLs all programs whose names are passed to it. Each program that OE2 CALLs, passes back to it the name of the next program to CALL.

This program initializes the following system wide parameters.

1. Display Company Name - Obtained from the Company File.
2. Report Company Name - Obtained from the Company File.
3. Profit Center Usage Flag - Obtained from the Company File.
4. System Date - Obtained by System Call.

OEMENU2

The Order Entry Menu #2 allows the selection of O/E applications and CALLs the appropriate task with the use of OE2.

Display the Order Entry Menu #2 screen and accept the entry of a menu selection. Verify that the proper Data File diskettes have been mounted. When the END key is pressed, end off on processing O/E applications.

Date: JAN-82

V I D E O   T E R M I N A L   F O R M A T

Version: RS COBOL   System: O/E   Release: 1   Program: OEMENU2

```
ORDER ENTRY MENU #2                                   --COMPANY NAME DISPLAYS HERE--
VERSION 1.0






                     PLEASE SELECT  9

                           1. ITEM FILE MAINTENANCE
                           2. ITEM RECEIVINGS PROCESSING
                           3. PRINT PRICE LIST
                           4. PRINT PURCHASING ADVICE
                           5. PRINT ITEM STOCK STATUS REPORT
                           6. PRINT BACK ORDERS BY ITEM
                           7. PRINT BACK ORDERS BY CUSTOMER
```

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: ITEM FILE MAINTENANCE

Module Function: Adds, changes, deletes, and prints out items in the Inventory File.

Input: OEITMFIL
OECDSFIL

Files Updated: OEITMFIL

Output: Item File Print-Out
Alphabetical Item List

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
File Definition(s)
Report Format(s)

Enter Module From: OEMENU2 When Done Return To: OEMENU2

Programs in Module: OEITMMNT, OENUMITM, OEALPITM

Program Functions and Notes:

OEITMMNT

This is a Standard Maintenance Module which allows entry and editing of the Inventory Item File. Use related screen layouts, File Definitions, etc.

If the key entered is numeric, right justify it, padded with leading zeros, and redisplay.

Validate the Price Code and Commission Code entered against the O/E Codes File. Display the code description if found. If not found, display an error message and force re-entry of the code.

OENUMITM

This program prints the Inventory Item File within selected ranges.

A screen is displayed to ask for the range of Inventory Items to be printed on the report.

After the operator enters the screen data, the Inventory Item File is read within the selected range. Each Inventory Item's data is printed per the report layout. If "ALL" items were selected by the operator, the program returns to OEITMMNT; otherwise, additional item ranges are obtained

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: ITEM FILE MAINTENANCE

and the program prints a report for each new range. The program returns to OEITMMNT after "ALL" items have been selected or after the operator has pressed the END key at the range screen.

OEALPITM

This module prints the Inventory Item File in alphabetical order by Item Description within selected range.

The Inventory Item File is read in order by its alternate key of Item Description printing each Inventory Item's data according to the report layout. The program returns to OEITMMNT upon completion of the print-out.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEITMMNT

```
ITEM FILE MAINTENANCE                                     --COMPANY NAME DISPLAYS HERE--





                  PLEASE SELECT  9

                       1. ADD NEW ITEMS

                       2. CHANGE/INQUIRE ITEMS

                       3. DELETE ITEMS

                       4. PRINT NUMERIC ITEM LIST

                       5. PRINT ALPHABETIC ITEM LIST
```

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEITMMNT

11.2.2

```
ITEM FILE MAINTENANCE                             --COMPANY NAME DISPLAYS HERE--
ADD,CHANGE/INQUIRE,DELETE
       * 1. ITEM NO            XXXXXXXXXXXX
         2. DESCRIPTION        XXXXXXXXXXXXXXXXXXXXXXXXX
         3. CATEGORY           XXX

         4. PRICE-1            ZZ,ZZZ.99-
         5. PRICE-2            ZZ,ZZZ.99-
         6. PRICE-3            ZZ,ZZZ.99-
         7. PRICE CODE         XX  XXXXXXXXXXXXXXXXXXXXXXXXX (1)
         8. COMM CODE          XX  XXXXXXXXXXXXXXXXXXXXXXXXX (2)
         9. AVG COST           ZZ,ZZ9.999-
        10. LAST COST          ZZ,ZZ9.999-

        11. QTY ON HAND        ZZ,ZZ9- (3)      19. QTY SOLD PTD   ZZZ,ZZ9- (3)
        12. REORDER LEVEL      Z,ZZ9            20. QTY SOLD YTD   ZZZ,ZZ9- (3)
        13. QTY COMMITTED      ZZ,ZZ9- (3)
        14. VENDOR NO          XXXXXX           21. SALES PTD      Z,ZZZ,ZZZ.99- (3)
        15. B/O CONTROL        X (4)            22. SALES YTD      Z,ZZZ,ZZZ.99- (3)
        16. TAXABLE ?          X (5)
        17. LOCATION CODE      XXXX             23. COSTS PTD      Z,ZZZ,ZZZ.99- (3)
        18. G/L ACCT NO        9999 (6)         24. COSTS YTD      Z,ZZZ,ZZZ.99- (3)

FIELD NUMBER TO CHANGE ?  99
```

```
B = OK TO B/O   N = NOT OK TO B/O   X = NO B/O CONTROL (4)
Y = YES   N = NO (5)
```

(1) THE PRICE CODE MAY BE BLANK. IF IT IS, PRICE-1 IS ALWAYS USED.

(2) THE COMMISSION CODE MAY BE BLANK. IF IT IS, NO COMMISSION AMOUNT IS AUTOMATICALLY CALCULATED.

(3) ITEMS 11, 13, 19, 20, 21, 22, 23 AND 24 MAY NOT BE CHANGED IN CHANGE MODE.

(4) IF BACKORDER CONTROL IS SET TO "N" IN THE O/E CONTROL FILE, THIS DEFAULTS TO "X". OTHERWISE, THE DEFAULT VALUE IS "B".

(6) DEFAULTS TO THE DEFAULT SALES ACCOUNT FROM THE O/E CONTROL FILE.

Date: JAN-82

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OENUMITM

```
ITEM FILE MAINTENANCE                                   --COMPANY NAME DISPLAYS HERE--
NUMERIC LIST








                  PLEASE ENTER:

                       STARTING ITEM NO   XXXXXXXXXXXX

                       ENDING ITEM NO     XXXXXXXXXXXX










ANY CHANGE ?  X
```

Date: JAN-82 Page 1 of 1

V I D E O   T E R M I N A L   F O R M A T

Version: RS COBOL System: O/E Release: 1 Program: OEALPITM

```
 1 ITEM FILE MAINTENANCE                                        --COMPANY NAME DISPLAYS HERE--
 2 ALPHABETIC LIST
 3
 4
 5
 6
 7
 8
 9
10                   PLEASE ENTER:
11
12                        STARTING DESCRIPTION  XXXXXXXXXXXXXXXXXXXXXXXXX
13
14                        ENDING DESCRIPTION    XXXXXXXXXXXXXXXXXXXXXXXXX
15
16
17
18
19
20
21
22
23
24 ANY CHANGE ?  X
```

11.2.4

Version: RS COBOL System: O/E Release: 1 Program: OENUMITM Report: NUMERIC ITEM LIST
OEALPITM ALPHABETIC ITEM LIST

```
RUN DATE: 99/99/99                                          ------------COMPANY NAME PRINTS HERE--------------                                     PAGE 9999

                                                                        N U M E R I C   I T E M   L I S T


ITEM NO RANGE: XXXXXXXXXXXX TO XXXXXXXXXXXX (1)

ITEM DESCRIPTION RANGE: XXXXXXXXXXXXXXXXXXXXXXXXX TO XXXXXXXXXXXXXXXXXXXXXXXXX (2)

BACK ORDER CONTROL CODE (BOC): B = OK TO BACK ORDER   N = NOT OK TO BACK ORDER   X = NO BACK ORDER CONTROL


ITEM-NO            DESCRIPTION                                PRICES   PRC-CD  AVG-COST     QTY-OH   VENDOR  LOC-CD   QTY-PTD       SALES-PTD        COSTS-PTD
                   CATEGORY                                            COM-CD  LAST-COST    RO-LEV    BOC    GL-ACCT  QTY-YTD       SALES-YTD        COSTS-YTD
                                                                                            QTY-COM  TXBL?                                                 (3)

XXXXXXXXXXXX       XXXXXXXXXXXXXXXXXXXXXXXXX    ZZ,ZZZ.99-   XX   ZZ,ZZZ.999-  ZZ,ZZ9-  XXXXXX   XXXX   ZZZ,ZZ9-   Z,ZZZ,ZZZ.99-   Z,ZZZ,ZZZ.99-
                   XXX                          ZZ,ZZZ.99-   XX   ZZ,ZZZ.999-   Z,ZZ9-    X      9999   ZZZ,ZZ9-   Z,ZZZ,ZZZ.99-   Z,ZZZ,ZZZ.99-
                                                ZZ,ZZZ.99-                     ZZ,ZZ9-    X                                                  (3)

XXXXXXXXXXXX       XXXXXXXXXXXXXXXXXXXXXXXXX    ZZ,ZZZ.99-   XX   ZZ,ZZZ.999-  ZZ,ZZ9-  XXXXXX   XXXX   ZZZ,ZZ9-   Z,ZZZ,ZZZ.99-   Z,ZZZ,ZZZ.99-
                   XXX                          ZZ,ZZZ.99-   XX   ZZ,ZZZ.999-   Z,ZZ9-    X      9999   ZZZ,ZZ9-   Z,ZZZ,ZZZ.99-   Z,ZZZ,ZZZ.99-
                                                ZZ,ZZZ.99-                     ZZ,ZZ9-    X

XXXXXXXXXXXX       XXXXXXXXXXXXXXXXXXXXXXXXX    ZZ,ZZZ.99-   XX   ZZ,ZZZ.999-  ZZ,ZZ9-  XXXXXX   XXXX   ZZZ,ZZ9-   Z,ZZZ,ZZZ.99-   Z,ZZZ,ZZZ.99-
                   XXX                          ZZ,ZZZ.99-   XX   ZZ,ZZZ.999-   Z,ZZ9-    X      9999   ZZZ,ZZ9-   Z,ZZZ,ZZZ.99-   Z,ZZZ,ZZZ.99-
                                                ZZ,ZZZ.99-                     ZZ,ZZ9-    X


ZZ,ZZ9 ITEMS ON FILE
```

THE "ALPHABETIC ITEM LIST" HAS THE SAME FORMAT.
(1) PRINTS ONLY FOR NUMERIC LIST.
(2) PRINTS ONLY FOR ALPHABETIC LIST.
(3) COSTS-OF-SALES DO NOT PRINT IN HEADER OR BODY IF COSTS ARE NOT USED.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: ITEM RECEIVINGS PROCESSING

Module Function: Item Receivings Processing: add, change, delete, list, post.

Input: OERECTRX Files Updated: OERECTRX Output: Receivings Edit List
OEITMFIL Receivings Register

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
File Definition(s)
Report Format(s)

Enter Module From: OEMENU2 When Done Return To: OEMENU2

Programs in Module: OERECENT, OERECREG

Program Functions and Notes:

OERECENT

This is a Standard Transaction module which allows entry, editing and posting of receivings transactions. It displays the Receivings Menu and, if the Edit List is to be printed or Posting is to be done, CALLs OERECREG. See Video display Formats, File Definitions, Report Formats etc.

Data Entry Defaults, Validity Checks and Special Instructions:

Field 1 Item Number: Validate against Item File.

Field 2 Date Received: Default to System Date; or if a Date Received was previously entered, default to it.

Field 4 Qty Received: Add amount entered to Old Qty on Hand and display New Qty-on-Hand.

Field 5 New Unit-Cost: Default to Old Unit-Cost. On F1 Key, accept entry of a new value. If the Old Qty-on-Hand is negative or zero, move the New Unit-Cost to Average Cost; otherwise calcualte New Average Cost as follows:

New Average Cost =
(Old Avg-Cost * Old Qty-on-Hand + New Avg-Cost * Qty-Received)
/ (Old Qty-on-Hand + Qty-Received)

and display the result.

Fields 6-9 Default to values currently on the Item File. Changes are made via the "FIELD NUMBER TO CHANGE ?" facility.

PROGRAM SPECIFICATIONS

Version: RS COBOL   System: O/E   Release: 1

Module Name: ITEM RECEIVINGS PROCESSING

OERECREG

This program prints both the Item Receivings Edit List and the Item Receivings Register. It also posts the receivings transactions to the Inventory Item File if posting was selected from the Item Receivings Processing menu.

To post transactions read the Inventory Record for the transaction being posted and modify the fields for price-1, price-2, price-3, average cost, last cost, quantity on hand and picking sequence. Also move a space to the Stock Status field. This resets the reorder flag so that this item will appear on the Purchasing Advice Report when the quantity goes below the reorder level.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OERECENT

```
ITEM RECEIVINGS PROCESSING                               --COMPANY NAME DISPLAYS HERE--





                    PLEASE SELECT  9

                         1. ADD RECEIVINGS

                         2. CHANGE/INQUIRE RECEIVINGS

                         3. DELETE RECEIVINGS

                         4. PRINT RECEIVINGS EDIT LIST

                         5. POST RECEIVINGS TO ITEM FILE
```

12.2.1

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OERECENT

```
ITEM RECEIVINGS PROCESSING                                --COMPANY NAME DISPLAYS HERE--
ADD,CHANGE/INQUIRE,DELETE
       * 1. ITEM NO              XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXX (1)

            OLD QTY ON HD        ZZ,ZZ9-
            OLD AVG COST         ZZ,ZZZ.999-   OLD PRICE-1   ZZ,ZZZ.99-
            LAST COST            ZZ,ZZZ.999-   OLD PRICE-2   ZZ,ZZZ.99-
            OLD LOCATION         XXXX          OLD PRICE-3   ZZ,ZZZ.99-

         2. DATE RECEIVED        99/99/99

         3. P.O. NO              XXXXXXXXXX

         4. QTY RECEIVED         ZZ,ZZ9-       NEW QTY ON HD   ZZ,ZZ9-

         5. NEW UNIT COST        ZZ,ZZZ.999-   NEW AVG COST    ZZ,ZZZ.999-

         6. NEW PRICE-1          ZZ,ZZZ.99-
         7. NEW PRICE-2          ZZ,ZZZ.99-
         8. NEW PRICE-3          ZZ,ZZZ.99-

         9. NEW LOCATION         XXXX

FIELD NUMBER TO CHANGE ?  9
```

```
RIGHT ITEM ?  X (1)
```

(1) IF A BLANK ITEM NUMBER IS ENTERED, THE ITEM DESCRIPTION MAY BE ENTERED, IN WHICH CASE "RIGHT ITEM ?" IS ASKED.

12.2.2

Version: RS COBOL System: O/E Release: 1 Program: OERECREG Report: ITEM RECEIVINGS REGISTER
ITEM RECEIVINGS EDIT LIST

```
RUN DATE: 99/99/99                      ------------COMPANY NAME PRINTS HERE---------------                        PAGE 9999

                                         I T E M   R E C E I V I N G S   R E G I S T E R

-------------------ITEM-------------------  DATE-RECD    QTY     OLD/NEW     OLD/NEW      OLD/NEW      OLD/NEW     OLD/NEW     OLD/NEW  OLD/NW
      NO            DESCRIPTION             PO-NO        RECD    UNIT-COST   QTY-OH       AVG-COST     PRICE-1     PRICE-2     PRICE-3   LOC

                                                      ZZ,ZZZ,ZZ9-           ZZ,ZZZ,ZZ9-
XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  99/99/99  ZZ,ZZ9-  ZZ,ZZZ.999-  ZZ,ZZ9-  ZZ,ZZZ.999- ZZ,ZZZ.99- ZZ,ZZZ.ZZ- ZZ,ZZZ.ZZ-  XXXX
                                         XXXXXXXXXX         ZZ,ZZZ.999-  ZZ,ZZ9-  ZZ,ZZZ.999- ZZ,ZZZ.99- ZZ,ZZZ.ZZ- ZZ,ZZZ.ZZ-  XXXX

XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  99/99/99  ZZ,ZZ9-  ZZ,ZZZ.999-  ZZ,ZZ9-  ZZ,ZZZ.999- ZZ,ZZZ.99- ZZ,ZZZ.ZZ- ZZ,ZZZ.ZZ-  XXXX
                                         XXXXXXXXXX         ZZ,ZZZ.999-  ZZ,ZZ9-  ZZ,ZZZ.999- ZZ,ZZZ.99- ZZ,ZZZ.ZZ- ZZ,ZZZ.ZZ-  XXXX

XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  99/99/99  ZZ,ZZ9-  ZZ,ZZZ.999-  ZZ,ZZ9-  ZZ,ZZZ.999- ZZ,ZZZ.99- ZZ,ZZZ.ZZ- ZZ,ZZZ.ZZ-  XXXX
                                         XXXXXXXXXX         ZZ,ZZZ.999-  ZZ,ZZ9-  ZZ,ZZZ.999- ZZ,ZZZ.99- ZZ,ZZZ.ZZ- ZZ,ZZZ.ZZ-  XXXX

Z,ZZ9 ENTRIES                TOTAL QTY RECEIVED:  Z,ZZZ,ZZ9-     TOTAL VALUE OF RECEIVINGS AT NEW COST: Z,ZZZ,ZZZ.999-
                                                  Z,ZZZ,ZZZ,ZZ9-
```

THE "ITEM RECEIVINGS EDIT LIST" HAS SAME FORMAT.

12.3.1

PROGRAM SPECIFICATIONS

Version: RS COBOL | System: O/E | Release: 1

Module Name: PRINT PRICE LIST

Module Function: Prints Price List by Inventory Item.

Input: OEITMFIL | Files Updated: None | Output: Price List

Also See Related: User's Manual Operator Instruction
Video Display Terminal Format(s)
Report Format(s)

Enter Module From: OEMENU2 | When Done Return To: OEMENU2

Programs in Module: OEPRCLST

Program Functions and Notes:

OEPRCLST

A screen is displayed to ask what the starting and ending range should be.

After the operator enters the screen data, the Inventory Item File is read within the selected range. Each Inventory Item's data is printed as per the report layout. Control is returned to OEMENU2 after the report has been printed if "ALL" was selected for the range to print. Otherwise, a new range or END may be entered.

V I D E O   T E R M I N A L   F O R M A T

Version: RS COBOL System: O/E Release: 1 Program: OEPRCLST

```
 1 PRINT PRICE LIST                                           --COMPANY NAME DISPLAYS HERE--
10                   PLEASE ENTER:
12                        STARTING ITEM NO   XXXXXXXXXXXX
14                        ENDING ITEM NO     XXXXXXXXXXXX
24 ANY CHANGE ?  X
```

Version: RS COBOL System: O/E Release: 1 Program: OEPRCLST Report: PRICE LIST

```
RUN DATE: 99/99/99 ---------------COMPANY NAME PRINTS HERE------------- PAGE 9999
                              P R I C E   L I S T

ITEM NO RANGE: XXXXXXXXXXXX TO XXXXXXXXXXXX

ITEM-NO        DESCRIPTION                  CATEGORY  PRICE-1      PRICE-2      PRICE-3

XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXX   ZZ,ZZZ.99-   ZZ,ZZZ.ZZ-   ZZ,ZZZ.ZZ-
XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXX   ZZ,ZZZ.99-   ZZ,ZZZ.ZZ-   ZZ,ZZZ.ZZ-
XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  XXX   ZZ,ZZZ.99-   ZZ,ZZZ.ZZ-   ZZ,ZZZ.ZZ-

ZZ,ZZ9 ITEMS PRINTED
```

P R O G R A M   S P E C I F I C A T I O N S

Version: RS COBOL   System: O/E   Release: 1

Module Name: PRINT PURCHASING ADVICE

Module Function: Prints Purchasing Advice Report for all inventory items and updates Inventory Item File.

Input: OEITMFIL
OECTLFIL   Files Updated: OEITMFIL   Output: Purchasing Advice Report

Also See Related: User's Manual Operators Instructions
Video Display Terminal Format(s)
Report Format(s)

Enter Module From: OEMENU2   When Done Return To: OEMENU2

Programs in Module: OEPURADV

Program Functions and Notes:

OEPURADV

This program prints the Purchasing Advice Report and updates the Inventory Item File at the discretion of the operator.

The Inventory Item File is read. A test is made to determine if the item is at reorder level. If the item is at reorder level, a test is made to determine if the item was at reorder level on the previous report. If the item was not at reorder level on the previous report, a test is made to determine if the item has reached zero quantity on hand. The data of the item is printed per the report layout. If the item was at reorder level on the previous report, a test is made to determine if the item reached zero quantity on hand since the last report. If the item has reached zero quantity on hand since the last report, the data of the item is printed per the report layout; otherwise, the item is bypassed.

When the report printing is complete a screen is displayed asking if the report is ok. If the operator answers "Y", the Inventory Item File is read and updated. All items which were printed on the report according to the above tests have their Stock Status updated to reflect the fact that they have either reached reorder level or have gone out of stock and that they have been printed on a purchasing advice report.

If the answer to the above screen is "N" (report not ok), the Inventory Item File is not updated.

Date: JAN-82

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEPURADV

```
 1 PRINT PURCHASING ADVICE                                     --COMPANY NAME DISPLAYS HERE--
12                                     IS THE PURCHASING ADVICE JUST PRINTED OK ?  X
```

Date: JAN-82 REPORT FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEPURADV Report: PURCHASING ADVICE REPORT

```
RUN DATE: 99/99/99                    ------------COMPANY NAME PRINTS HERE-------------                                    PAGE 9999

                                       P U R C H A S I N G   A D V I C E   R E P O R T


BACK ORDER CONTROL CODE (BOC): B = OK TO BACK ORDER   N = NOT OK TO BACK ORDER   X = NO BACK ORDER CONTROL


---------------ITEM----------------     PRICE-1     LAST-COST       QTY     REORD      QTY      ----QTY-SOLD-----   BOC   HIT     WENT
      NO             DESCRIPTION                                  ON-HND    LEVEL     COMTD       PTD        YTD          RO-LEV  OUT-STK
                                                                                       (1)
XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZ,ZZZ.99-  ZZ,ZZZ.999-  ZZ,ZZ9-  Z,ZZ9-  ZZ,ZZ9-  ZZZ,ZZ9-  ZZZ,ZZ9-   X      X        X

XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZ,ZZZ.99-  ZZ,ZZZ.999-  ZZ,ZZ9-  Z,ZZ9-  ZZ,ZZ9-  ZZZ,ZZ9-  ZZZ,ZZ9-   X      X        X

XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZ,ZZZ.99-  ZZ,ZZZ.999-  ZZ,ZZ9-  Z,ZZ9-  ZZ,ZZ9-  ZZZ,ZZ9-  ZZZ,ZZ9-   X      X        X


Z,ZZ9 ITEMS CHANGED STATUS
```

(1) THE QUANTITY-COMMITTED PRINTS IN THE BODY ONLY IF INVENTORY CONTROL IS SPECIFIED.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRINT ITEM STOCK STATUS REPORT

Module Function: Prints Item Stock Status Report within selected ranges.

Input: COMPFILE
OEITMFIL
OECTLFIL

Files Updated: None

Output: Stock Status Report

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
Report Format(s)

Enter Module From: OEMENU2 When Done Return To: OEMENU2

Programs in Module: OESTKSTA

Program Functions and Notes:

OESTKSTA

This program prints the Item Stock Status Report by Inventory Item number.

A screen is displayed to ask what the starting and ending range of the report should be.

After the operator enters the screen data, the Inventory Item File is read within the selected range. Each Inventory Item's data is printed per the report layout. If the operator had selected "ALL" Inventory Item's to print, control returns to the OEMENU2; otherwise, the screen is redisplayed and a new starting and ending range is obtained. The new range is then printed. Control returns to the OEMENU2 after the operator has selected "ALL" items to print or after the END key has been pressed.

Date: JAN-82 | Page 1 of 1

VIDEO TERMINAL FORMAT

Version: RS COBOL | System: O/E | Release: 1 | Program: OESTKSTA

```
 1 PRINT ITEM STOCK STATUS REPORT                     --COMPANY NAME DISPLAYS HERE--
 2
 3
 4
 5
 6
 7
 8
 9
10                    PLEASE ENTER:
11
12                         STARTING ITEM NO  XXXXXXXXXXXX
13
14                         ENDING ITEM NO    XXXXXXXXXXXX
15
16
17
18
19
20
21
22
23
24 ANY CHANGE ?  X
```

15.2.1

Version: RS COBOL System: O/E Release: 1 Program: OESTKSTA Report: ITEM STOCK STATUS REPORT

```
RUN DATE: 99/99/99                          -------------COMPANY NAME PRINTS HERE--------------                              PAGE 9999

                                            I T E M   S T O C K   S T A T U S   R E P O R T

ITEM NO RANGE: XXXXXXXXXXXX TO XXXXXXXXXXXX

BACK ORDER CONTROL CODE (BOC): B = OK TO BACK ORDER   N = NOT OK TO BACK ORDER   X = NO BACK ORDER CONTROL

"R" IN FAR RIGHT COLUMN MEANS ITEM HAS HIT REORDER LEVEL   "O" MEANS ITEM IS OUT OF STOCK

-------------------ITEM----------------------   PRICE      PRICE      PRICE      AVERAGE     QTY     REORD     QTY  BOC      VALUE
     NO          DESCRIPTION          CATEGORY    1          2          3          COST     ON-HND   LEVEL     COM        (QTYXCOST)
                                                                                                               (1)
XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX XXX  ZZ,ZZZ.99- ZZ,ZZZ.ZZ- ZZ,ZZZ.ZZ-  ZZ,ZZZ.999-  ZZ,ZZ9- Z,ZZ9- ZZ,ZZ9- X Z,ZZZ,ZZZ.99- X
XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX XXX  ZZ,ZZZ.99- ZZ,ZZZ.ZZ- ZZ,ZZZ.ZZ-  ZZ,ZZZ.999-  ZZ,ZZ9- Z,ZZ9- ZZ,ZZ9- X Z,ZZZ,ZZZ.99- X
XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX XXX  ZZ,ZZZ.99- ZZ,ZZZ.ZZ- ZZ,ZZZ.ZZ-  ZZ,ZZZ.999-  ZZ,ZZ9- Z,ZZ9- ZZ,ZZ9- X Z,ZZZ,ZZZ.99- X

ZZ,ZZ9 ITEMS   ZZ,ZZ9 AT REORDER LEVEL   ZZ,ZZ9 OUT OF STOCK                                       TOTAL VALUE: ZZ,ZZZ,ZZZ.99-
```

(1) THE QUANTITY COMMITTED DOES NOT PRINT IF INVENTORY CONTROL IS NOT USED.

P R O G R A M   S P E C I F I C A T I O N S

Version: RS COBOL System: O/E Release: 1

Module Name: PRINT BACK ORDERS BY ITEM

Module Function: Prints Back Orders by Item in item number order.

Input: OEBOIFIL
COMPFILE
ARCUSFIL
OEBOISEL
OEORDHDR
OELINITM

Files Updated: OEBOIFIL
OEBOISEL

Output: Back Orders by Item

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
Report Format(s)

Enter Module From: OEMENU2 When Done Return To: OEMENU2

Programs in Module: OEBOITEM

Program Functions and Notes:

OEBOITEM

This program prints the Back Orders by Item List either for "ALL" items or for selected items. Items which are not currently on file may be selected.

The program creates two new files at the start of program execution: the Back-Order Item File, and the Item Select File.

A screen is displayed to ask what item numbers the report should be printed for. The operator can enter specific item number selections or default to "ALL" items.

If the operator has entered specific item number selections, a selection file is built containing those specific selections. If the operator has entered "ALL" items to print, no selection file is built.

The Order Line Item File is read. Each line item record with a quantity back ordered greater than zero is then written out into the Back Order Work File, with additional data from the Order Header File.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRINT BACK ORDERS BY ITEM

The Back Order Work File is then read sequentially. If the operator has selected "ALL" items to print, all records are printed as per the report layout. If the operator selected specific items, each record in the Back Order Work File is checked against the selection file to determine if the item was selected. If the item was selected, the Back Order Work record is printed as per the report layout.

Upon completion of the report a total line is printed and program control returns to OEMENU2.

Date: JAN-82

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEBOITEM

1	PRINT BACK ORDERS BY ITEM --COMPANY NAME DISPLAYS HERE--
11	PLEASE ENTER ITEM NUMBERS TO PRINT:
13	XXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXX
14	(1)
24	ANY CHANGE ? X

(1) DEFAULTS TO "ALL". IF SINGLE ITEM NUMBERS ARE ENTERED, ENTRY CONTINUES ONE ITEM AFTER ANOTHER UNTIL THE END KEY IS PRESSED.

Date: JAN-82 REPORT FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEBOITEM Report: BACK ORDERS BY ITEM

```
RUN DATE: 99/99/99                         ------------COMPANY NAME PRINTS HERE---------------                              PAGE 9999

                                                  B A C K   O R D E R S   B Y   I T E M


FOR ALL ITEMS (1)
FOR SELECTED ITEMS ONLY (2)

-----------------ITEM------------------  ------------CUSTOMER------------  -----ORDER------  CUS-PO-NO   QTY      UNIT     DISC
    NO          DESCRIPTION                NO    NAME                         NO      DATE               B/O      PRICE     PCT

XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZZZZ9  99/99/99  XXXXXXXXXX  Z,ZZ9  ZZ,ZZZ.99-  Z9.99
                                         XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZZZZ9  99/99/99  XXXXXXXXXX  Z,ZZ9  ZZ,ZZZ.99-  Z9.99
                                         XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZZZZ9  99/99/99  XXXXXXXXXX  Z,ZZ9  ZZ,ZZZ.99-  Z9.99

                                         Z,ZZ9 ORDERS ON B/O FOR ABOVE ITEM HAVING TOTAL EXTENDED PRICE OF ZZZ,ZZZ.99-


XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX


ZZ,ZZ9 ITEMS ON B/O HAVING GRAND TOTAL EXTENDED PRICE OF Z,ZZZ,ZZZ.99-
```

(1) THIS PRINTS IF ALL ITEMS ARE PRINTED.
(2) THIS PRINTS IF ONLY SELECTED ITEMS ARE PRINTED.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRINT BACK ORDERS BY CUSTOMER

Module Function: Prints Back Orders by Customer in customer number order.

Input:	Files Updated:	Output:
OEBOCFIL	OEBOCFIL	Back Orders by Customer
COMPFILE	OEBOCSEL	
ARCUSFIL		
OEBOCSEL		
OEORDHDR		
OELINITM		

Also See Related: User's Manual Operator instructions
Video Display Terminal Format(s)
Report Format(s)

Enter Module From: OEMENU2 When Done Return To: OEMENU2

Programs in Module: OEBOCUST

Program Functions and Notes:

OEBOCUST

This program prints the Back Orders by Customer List either for "ALL" customers or for selected customers. Customers which are not currently on file may be selected.

The program creates two new files at the start of program execution: the Back-Order Customer File and the Customer Select File.

A screen is displayed to ask what customer numbers the report should be printed for. The operator can enter specific customer number selections or default to "ALL" customers.

If the operator has entered specific customer number selections, a selection file is built containing those specific selections. If the operator has entered "ALL" customers to print, no selection file is built.

The Order Line Item File is read. Each line item record with a quantity back ordered greater than zero is then written out into the Back Order Work File, with additional data from the Order Header File.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRINT BACK ORDERS BY CUSTOMER

The Back Order Work File is then read sequentially. If the operator had selected "ALL" customers to print, all records are printed as per the report layout. If the operator had selected specific customers, each record in the Back Order Work File is checked against the selection file to determine if the customer was selected. If the customer was selected, the Back Order Work Record is printed as per the report layout.

Upon completion of the report a total line is printed and program control returns to OEMENU2.

Date: JAN-82

V I D E O   T E R M I N A L   F O R M A T

Version: RS COBOL   System: O/E   Release: 1   Program: OEBOCUST

```
 1 PRINT BACK ORDERS BY CUSTOMER                         --COMPANY NAME DISPLAYS HERE--
 2
 3
 4
 5
 6
 7
 8
 9
10
11                    PLEASE ENTER CUSTOMER NUMBERS TO PRINT:
12
13                    XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX
14                    (1)
15
16
17
18
19
20
21
22
23
24 ANY CHANGE ?  X
```

(1) DEFAULTS TO "ALL". IF SINGLE CUSTOMER NUMBERS ARE ENTERED, ENTRY CONTINUES ONE CUSTOMER AFTER ANOTHER UNTIL THE END KEY IS PRESSED.

Version: RS COBOL System: O/E Release: 1 Program: OEBOCUST Report: BACK ORDERS BY CUSTOMER

```
RUN DATE: 99/99/99                                      ------------COMPANY NAME PRINTS HERE-------------                                                   PAGE 9999
                                                              B A C K   O R D E R S   B Y   C U S T O M E R

FOR ALL CUSTOMERS (1)
FOR SELECTED CUTSOMERS ONLY (2)

------------CUSTOMER-------------   -------------------ITEM---------------------   -----ORDER------   CUS-PO-NO    QTY     UNIT      DISC
  NO      NAME                                NO       DESCRIPTION                        NO      DATE                  B/O     PRICE      PCT

XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXX  XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZZZZ9  99/99/99  XXXXXXXXXX  Z,ZZ9  ZZ,ZZZ.99-  Z9.99
                                    XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZZZZ9  99/99/99  XXXXXXXXXX  Z,ZZ9  ZZ,ZZZ.99-  Z9.99
                                    XXXXXXXXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXX  ZZZZZ9  99/99/99  XXXXXXXXXX  Z,ZZ9  ZZ,ZZZ.99-  Z9.99

                                    Z,ZZ9 ITEMS ON B/O FOR ABOVE CUSTOMER HAVING TOTAL EXTENDED PRICE OF ZZZ,ZZZ.99-

XXXXXX  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Z,ZZ9 CUSTOMERS WITH BACK ORDERS HAVING GRAND TOTAL EXTENDED PRICE OF Z,ZZZ,ZZZ.99-
```

(1) THIS PRINTS IF ALL CUSTOMERS ARE PRINTED.
(2) THIS PRINTS IF ONLY SELECTED CUSTOMERS ARE PRINTED.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: ORDER ENTRY MENU #3

Module Function: Order Entry Menu #3

Input: COMPFILE Files Updated: None Output: None

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)

Enter Module From: OE3 When Done Return To: OE3

Programs in Module: OE3, OEMENU3

Program Functions and Notes:

OE3

This is the O/E Driver program for the Order Entry Menu #3. It CALLs "OEMENU3" and afterwards CALLs all programs whose names are passed to it. Each program that OE3 CALLs, passes back to it the name of the next program to CALL.

This program initializes the following system wide parameters.

1. Display Company Name - Obtained from the Company File.
2. Report Company Name - Obtained from the Company File.
3. Profit Center Usage Flag - Obtained from the Company File.
4. System Date - Obtained by System Call.

OEMENU3

The Order Entry Menu #3 allows the selection of O/E applications and CALLs the appropriate task with the use of OE3.

Display the Order Entry Menu #3 screen and accept the entry of a menu selection. Verify that the proper Data File diskettes have been mounted. When the END key is pressed, end off on processing O/E applications.

Date: JAN-82

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEMENU3

```
ORDER ENTRY MENU #3                                         --COMPANY NAME DISPLAYS HERE--
VERSION 1.0






                     PLEASE SELECT  9

                          1. O/E CONTROL FILE MAINTENANCE
                          2. PRICING CODE FILE MAINTENANCE
                          3. COMMISSION CODE FILE MAINTENANCE
                          4. PERIOD END CLOSING
                          5. YEAR END CLOSING
```

PROGRAM SPECIFICATIONS

Version: RS COBOL   System: O/E   Release: 1

Module Name: O/E CONTROL FILE MAINTENANCE

Module Function: O/E Control File Maintenance

Input: COMPFILE, OECTLFIL   Files Updated: OECTLFIL   Output: None

Also See Related: User's Manual Operater Instructions
Video Display Terminal Format(s)
File Definition(s)

Enter Module From: OEMENU3   When Done Return To: OEMENU3

Programs in Module: OECTLMNT

Program Functions and Notes:

<u>OECTLMNT</u>

This program is to allow entry and editing of the O/E Control Record.

Open the O/E Control File and attempt to read the record. If there is no record on file, accept entry of fields per the VDT Format. Allow any changes and write the record.

If the record exists, display the full contents and allow any changes to be made and rewrite the record.

V I D E O T E R M I N A L F O R M A T

Version: RS COBOL System: O/E Release: 1 Program: OECTLMNT

```
O/E CONTROL FILE MAINTENANCE                        --COMPANY NAME DISPLAYS HERE--




                   1. STARTING ORDER NO             ZZZZZ9
                   2. STARTING INVOICE NO           ZZZZZ9

                   3. ARE SALESMEN USED ?           X
                   4. ARE COMMISSIONS USED ?        X
                   5. ARE COSTS OF SALES USED ?     X

                   6. BACK ORDER CONTROL ?          X
                   7. DEFAULT SALES ACCOUNT         9999
                   8. PRINT CO NAME ON INVOICE ?    X

                   9. MULTIPLE PROFIT CENTERS ?     X
                  10. DEFAULT PROFIT CENTER         999






FIELD NUMBER TO CHANGE ? 9
```

19.2.1

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRICING CODE FILE MAINTENANCE

Module Function: Add price codes, change price codes, delete price codes, print price codes.

Input: OECDSFIL Files Updated: OECDSFIL Output: Price Code List

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
File Definition(s)
Report Format(s)

Enter Module From: OEMENU3 When Done Return To: OEMENU3

Programs in Module: OEPCDMNT, OEPCDLST

Program Functions and Notes:

OEPCDMNT

This program is the File Maintenance module for the Price Code File. The Price Code File is actually part of the O/E Codes File (see related File Definition).

Since there are many places in this program where very similar entries are made repetitively and since this data is stored for the most part in matrices, loops have been utilized wherever possible in place of the regular screen display, field display, field entry and change paragraphs.

The loops are logically structured per the Warnier Orr method of structuring. The first field is inspected, then a loop is entered. In the loop a field is processed then the next field is inspected. This is performed until all fields have been processed.

For screen displays there is a paragraph that displays one "tag" or one set of "tags". This paragraph is performed a certain number of times. E.g., if a screen consists of five "tags" or five sets of two "tags", a paragraph that displays one tag or set would be performed five times.

For field displays there is a paragraph that displays one field or one set of two fields. This paragraph is displayed a certain number of times. For pricing code types two and five there are matrices containing up to five customer types. These are displayed one at a time by a loop as above until a field containing only spaces is found. In other words the paragraph would be performed 1 to 5 times.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRICING CODE FILE MAINTENANCE

For field entry there is a paragraph that enters one field. Usually this is performed until as many fields as can be entered have been or the Restart Key is pressed. When a matrix of customer types is being entered, the paragraph is performed until a null entry (spaces) has been made or the matrix is full. If the Restart Key is pressed after the first type has been entered, the matrix of customer types is cleared and entry is started over.

For entry of changes a loop is not required except when changing a matrix of customer types. Normally the screen row and column are just calculated from the item number to change and the field is reentered. For a matrix of customer types, changes are allowed to one customer type at a time much as in the entry logic until the first null field (spaces) is reached or the Restart Key pressed. If along the way a customer type is cleared by the operator, the rest of the fields in that matrix must be moved back to fill the space.

In add mode, the key is not checked against the file until after the entire record has been entered. This is because what is put into the key depends on data entered later in the program. i.e., the price code customer type is part of the key, but is not entered until number 4 on the screen and then only if the price code type is 3.

Price code type 3 sometimes requires many records to define one price code. For any other type only one record per code is allowed. Therefore, a "Header Record" is stored in the file along with any group of price code type 3 records. This "Header Record" is just a dummy record with the price code in the key, but no customer type (spaces) in the customer type field. How this works is illustrated below.

EXAMPLE OF WHAT WOULD HAPPEN IF THE "HEADER RECORD" WERE NOT USED.

As an example, suppose the following records are on file:

```
RECORD 1                      RECORD 2
.....................         .....................
.KEY                .         .KEY                .
.PRICE-CODE:AA      .         .PRICE-CODE:AA      .
.CUST-TYPE:BBBBB    .         .CUST-TYPE:CCCCC    .
.                   .         .                   .
.RECORD             .         .RECORD             .
.TYPE:3             .         .TYPE:3             .
.(other fields)     .         .(other fields)     .
.....................         .....................
```

PROGRAM SPECIFICATIONS

Version: RS COBOL   System: O/E   Release: 1

Module Name: PRICING CODE FILE MAINTENANCE

RECORD 3

```
.....................
.KEY                .
.PRICE-CODE:DD      .
.CUST-TYPE:(spaces).
.                   .
.RECORD             .
.TYPE:1             .
.(other fields)     .
.....................
```

RECORD 4

```
.....................
.KEY                .
.PRICE-CODE:EE      .
.CUST-TYPE:(spaces).
.                   .
.RECORD             .
.TYPE:2             .
.(other fields)     .
.....................
```

Price code "AA" is a "type 3" code. Notice that price code "AA" is defined by 2 records (records 1 and 2). Notice also that price codes "DD" and "EE" are defined by only one record and that an attempt to enter another type 1,2,4 or 5 record with the same price code would cause a duplicate key condition. This is ok, but what if someone were to enter the following record.

RECORD 5

```
.....................
.KEY                .
.PRICE-CODE:AA      .
.CUST-TYPE:(spaces) .
.                   .
.RECORD             .
.TYPE:4             .
.(other fields)     .
.....................
```

This record has a unique key because it is not a type 3 record and so has spaces for a customer type.

But this record should not be allowed on the file along with records 1 and 2.

Price code "AA" is supposed to be type 3.

The solution is that when record 1 is first entered a "Header Record" is written out that "reserves" that price code for type 3 records. For this example here is what the "Header Record" would look like.

HEADER RECORD

```
.....................
.KEY                .
.PRICE-CODE:AA      .
.CUST-TYPE:(spaces) .
.                   .
.RECORD             .
.TYPE:3             .
.(other fields)     .
.....................
```

This record is not used to store any data relating to pricing. It is just used to reserve price code type "AA" for type 3 records.

If records 1 and 2 were both deleted, the "Header Record" would also be deleted.

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PRICING CODE FILE MAINTENANCE

OEPCDLST

This program prints the Price Code List from the O/E Codes File.

The program prints a separate report layout for each price type 1, 2, 3, 4 or 5. The program will only print a specific report layout if there are records on file for that specific pricing type.

For pricing type 3, each pricing code has a Header Record on file. These Header Records are bypassed during the printing of the report and are not included with the report data.

Data for each pricing type is printed as per the report layout for that pricing type.

After printing the report(s), control returns to OEPCDMNT.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEPCDMNT

```
1  PRICING CODE FILE MAINTENANCE                                  --COMPANY NAME DISPLAYS HERE--
9                                    PLEASE SELECT  9
11                                        1. ADD PRICE CODES
13                                        2. CHANGE/INQUIRE PRICE CODES
15                                        3. DELETE PRICE CODES
17                                        4. PRINT PRICE CODE LIST
```

20.2.1

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEPCDMNT

```
1  PRICING CODE FILE MAINTENANCE                       --COMPANY NAME DISPLAYS HERE--
2  ADD,CHANGE/INQUIRE,DELETE
3         * 1. PRICING CODE   XX
4           2. PRICING DESC   XXXXXXXXXXXXXXXXXXXXXXXXX
5           3. PRICING TYPE   9 (1)
```

(1)

```
TYPES:  1 = DISCOUNT PRICE-1 BY QTY ORDERED     4 = PICK PRICE-1/2/3 BY QTY ORDERD
        2 = DISCOUNT PRICE-1 BY CUS TYPE        5 = PICK PRICE-1/2/3 BY CUS TYPE
        3 = DISCOUNT PRICE-1 BY QTY ORDERED WITHIN CUS TYPE
```

(1) DISPLAYS ON COLUMNS 22 - 24 TO PROMPT PRICING TYPE

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEPCDMNT

```
PRICING CODE FILE MAINTENANCE                            --COMPANY NAME DISPLAYS HERE--
ADD,CHANGE/INQUIRE,DELETE
       *  1. PRICING CODE    XX
          2. PRICING DESC    XXXXXXXXXXXXXXXXXXXXXXXXX
          3. PRICING TYPE    1

          4. LEVEL-1 MINIMUM QTY    Z,ZZ9
          5. LEVEL-1 DISCOUNT PCT   ZZ.99

          6. LEVEL-2 MINIMUM QTY    Z,ZZ9
          7. LEVEL-2 DISCOUNT PCT   ZZ.99

          8. LEVEL-3 MINIMUM QTY    Z,ZZ9
          9. LEVEL-3 DISCOUNT PCT   ZZ.99

         10. LEVEL-4 MINIMUM QTY    Z,ZZ9
         11. LEVEL-4 DISCOUNT PCT   ZZ.99

         12. LEVEL-5 MINIMUM QTY    Z,ZZ9
         13. LEVEL-5 DISCOUNT PCT   ZZ.99




FIELD NUMBER TO CHANGE ?   99
```

V I D E O   T E R M I N A L   F O R M A T

Version: RS COBOL System: O/E Release: 1 Program: OEPCDMNT

```
PRICING CODE FILE MAINTENANCE                     --COMPANY NAME DISPLAYS HERE--
ADD,CHANGE/INQUIRE,DELETE
       * 1. PRICING CODE    XX
         2. PRICING DESC    XXXXXXXXXXXXXXXXXXXXXXXXX
         3. PRICING TYPE    2

         4. CUSTOMER TYPES  XXX  XXX  XXX  XXX  XXX
         5. DISCOUNT PCT    ZZ.99

         6. CUSTOMER TYPES  XXX  XXX  XXX  XXX  XXX
         7. DISCOUNT PCT    ZZ.99

         8. CUSTOMER TYPES  XXX  XXX  XXX  XXX  XXX
         9. DISCOUNT PCT    ZZ.99

        10. CUSTOMER TYPES  XXX  XXX  XXX  XXX  XXX
        11. DISCOUNT PCT    ZZ.99

        12. CUSTOMER TYPES  XXX  XXX  XXX  XXX  XXX
        13. DISCOUNT PCT    ZZ.99



FIELD NUMBER TO CHANGE ?  99
```

20.2.4

V I D E O   T E R M I N A L   F O R M A T

Version: RS COBOL System: O/E Release: 1 Program: OEPCDMNT

```
PRICING CODE FILE MAINTENANCE                     --COMPANY NAME DISPLAYS HERE--
ADD,CHANGE/INQUIRE,DELETE
       * 1. PRICING CODE  XX
         2. PRICING DESC  XXXXXXXXXXXXXXXXXXXXXXXXX
         3. PRICING TYPE  3
         4. CUSTOMER TYPE XXX

         5. LEVEL-1 MINIMUM QTY   Z,ZZ9
         6. LEVEL-1 DISCOUNT PCT  ZZ.99

         7. LEVEL-2 MINIMUM QTY   Z,ZZ9
         8. LEVEL-2 DISCOUNT PCT  ZZ.99

         9. LEVEL-3 MINIMUM QTY   Z,ZZ9
        10. LEVEL-3 DISCOUNT PCT  ZZ.99

        11. LEVEL-4 MINIMUM QTY   Z,ZZ9
        12. LEVEL-4 DISCOUNT PCT  ZZ.99

        13. LEVEL-5 MINIMUM QTY   Z,ZZ9
        14. LEVEL-5 DISCOUNT PCT  ZZ.99


FIELD NUMBER TO CHANGE ?  99
```

20.2.5

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEPCDMNT

```
 1 PRICING CODE FILE MAINTENANCE                        --COMPANY NAME DISPLAYS HERE--
 2 ADD,CHANGE/INQUIRE,DELETE
 3        * 1. PRICING CODE   XX
 4          2. PRICING DESC   XXXXXXXXXXXXXXXXXXXXXXXXX
 5          3. PRICING TYPE   4
 6
 7          4. LEVEL-1 MINIMUM QTY FOR PRICE-1  Z,ZZ9
 8
 9          5. LEVEL-2 MINIMUM QTY FOR PRICE-2  Z,ZZ9
10
11          6. LEVEL-3 MINIMUM QTY FOR PRICE-3  Z,ZZ9
12
13
14
15
16
17
18
19
20
21
22
23
24 FIELD NUMBER TO CHANGE ?  9
```

20.2.6

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEPCDMNT

```
PRICING CODE FILE MAINTENANCE                                    --COMPANY NAME DISPLAYS HERE--
ADD,CHANGE/INQUIRE,DELETE
       * 1. PRICING CODE   XX
         2. PRICING DESC   XXXXXXXXXXXXXXXXXXXXXXXXX
         3. PRICING TYPE   5

         4. USE PRICE-1 FOR CUSTOMER TYPES:

            XXX  XXX  XXX  XXX  XXX

         5. USE PRICE-2 FOR CUSTOMER TYPES:

            XXX  XXX  XXX  XXX  XXX

         6. USE PRICE-3 FOR CUSTOMER TYPES:

            XXX  XXX  XXX  XXX  XXX







FIELD NUMBER TO CHANGE ?   9
```

20.2.7

Version: RS COBOL System: O/E Release: 1 Program: OEPCDLST Report: PRICE CODE LIST

```
RUN DATE: 99/99/99                  -------------COMPANY NAME PRINTS HERE--------------          PAGE 9999

                                                    P R I C E   C O D E   L I S T


PRICING CODE TYPE 1: DISCOUNT PRICE-1 BY QUANTITY ORDERED


PRICE  DESCRIPTION                                 MINIMUM   DISC
CODE                                                 QTY     PCT


 XX    XXXXXXXXXXXXXXXXXXXXXXXXX  LEVEL-1:  ZZZ,ZZ9   ZZ.99
                                  LEVEL-2:  ZZZ,ZZ9   ZZ.99
                                  LEVEL-3:  ZZZ,ZZ9   ZZ.99
                                  LEVEL-4:  ZZZ,ZZ9   ZZ.99
                                  LEVEL-5:  ZZZ,ZZ9   ZZ.99

 XX    XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX


ZZ9 TYPE 1 PRICING CODES
```

Version: RS COBOL System: O/E Release: 1 Program: OEPCDLST Report: PRICE CODE LIST

```
RUN DATE: 99/99/99                    ------------COMPANY NAME PRINTS HERE--------------                PAGE 9999

                                                P R I C E   C O D E   L I S T

PRICING CODE TYPE 2: DISCOUNT PRICE-1 BY CUSTOMER TYPE

PRICE  DESCRIPTION                 CUS    DISC    CUS    DISC    CUS    DISC    CUS    DISC    CUS    DISC
CODE                               TYPES  PCT     TYPES  PCT     TYPES  PCT     TYPES  PCT     TYPES  PCT

 XX    XXXXXXXXXXXXXXXXXXXXXXXXX    XXX   ZZ.99    XXX   ZZ.99    XXX   ZZ.99    XXX   ZZ.99    XXX   ZZ.99
                                    XXX            XXX            XXX            XXX            XXX
                                    XXX            XXX            XXX            XXX            XXX
                                    XXX            XXX            XXX            XXX            XXX
                                    XXX            XXX            XXX            XXX            XXX

 XX    XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ZZ9 TYPE 2 PRICING CODES
```

20.3.2

Version: RS COBOL System: O/E Release: 1 Program: OEPCDLST Report: PRICE CODE LIST

```
RUN DATE: 99/99/99          ------------COMPANY NAME PRINTS HERE-------------                PAGE 9999

                                      P R I C E   C O D E   L I S T

PRICING CODE TYPE 3: DISCOUNT PRICE-1 BY QUANTITY ORDERED WITHIN CUSTOMER TYPE

PRICE  DESCRIPTION              CUSTOMER          MINIMUM   DISC
CODE                              TYPE              QTY      PCT

 XX    XXXXXXXXXXXXXXXXXXXXXXXXX   XXX  LEVEL-1:  ZZZ,ZZ9  ZZ.99
                                        LEVEL-2:  ZZZ,ZZ9  ZZ.99
                                        LEVEL-3:  ZZZ,ZZ9  ZZ.99
                                        LEVEL-4:  ZZZ,ZZ9  ZZ.99
                                        LEVEL-5:  ZZZ,ZZ9  ZZ.99

 XX    XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ZZ9 TYPE 3 PRICING CODES
```

20.3.3

Version: RS COBOL System: O/E Release: 1 Program: OEPCDLST Report: PRICE CODE LIST

```
RUN DATE: 99/99/99          ------------COMPANY NAME PRINTS HERE-------------                    PAGE 9999

                                             P R I C E   C O D E   L I S T

PRICING CODE TYPE 4: PICK PRICE 1 2 OR 3 BASED UPON QUANTITY ORDERED

PRICE  DESCRIPTION                    PRICE-1  PRICE-2  PRICE-3
CODE                                  MINIMUM  MINIMUM  MINIMUM
                                        QTY      QTY      QTY

 XX    XXXXXXXXXXXXXXXXXXXXXXXXX     ZZZ,ZZ9  ZZZ,ZZ9  ZZZ,ZZ9
 XX    XXXXXXXXXXXXXXXXXXXXXXXXX     ZZZ,ZZ9  ZZZ,ZZ9  ZZZ,ZZ9
 XX    XXXXXXXXXXXXXXXXXXXXXXXXX     ZZZ,ZZ9  ZZZ,ZZ9  ZZZ,ZZ9

ZZ9 TYPE 4 PRICING CODES
```

Version: RS COBOL System: O/E Release: 1 Program: OEPCDLST Report: PRICE CODE LIST

```
RUN DATE: 99/99/99          ------------COMPANY NAME PRINTS HERE--------------          PAGE 9999
                                   P R I C E   C O D E   L I S T

PRICING CODE TYPE 5: PICK PRICE 1 2 OR 3 BASED UPON CUSTOMER TYPE

PRICE   DESCRIPTION                   PRICE-1 FOR   PRICE-2 FOR   PRICE-3 FOR
CODE                                   CUS TYPES     CUS TYPES     CUS TYPES

 XX    XXXXXXXXXXXXXXXXXXXXXXXXXXX       XXX           XXX           XXX
                                         XXX           XXX           XXX
                                         XXX           XXX           XXX
                                         XXX           XXX           XXX
                                         XXX           XXX           XXX

 XX    XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ZZ9 TYPE 5 PRICING CODES
```

20.3.5

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: COMMISSION CODE FILE MAINTENANCE

Module Function: Commission Code File Maintenance: Add, Change, Delete, List

Input: OECDSFIL Files Updated: OECDSFIL Output: Commission Codes List

Also See Related: User's Manual Operator Instructions
Video Display Terminal Format(s)
File Definition(s)
Report Format(s)

Enter Module From: OEMENU3 When Done Return To: OEMENU3

Programs in Module: OECOMMNT, OECOMLST

Program Functions and Notes:

<u>OECOMMNT</u>

This is a standard maintenance module to allow maintenance to the Commission Code File.

<u>OECOMLST</u>

This is a standard print-out module to print the contents of the Commission Code File.

Date: JAN-82

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OECOMMNT

```
COMMISSION CODE FILE MAINTENANCE                                --COMPANY NAME DISPLAYS HERE--







                   PLEASE SELECT  9

                        1. ADD COMMISSION CODES

                        2. CHANGE/INQUIRE COMMISSION CODES

                        3. DELETE COMMISSION CODES

                        4. PRINT COMMISSION CODES LIST
```

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OECOMMNT

```
COMMISSION CODE FILE MAINTENANCE                        --COMPANY NAME DISPLAYS HERE--
ADD,CHANGE/INQUIRE,DELETE



                   * 1. COMMISSION CODE                  XX

                     2. COMMISSION DESCRIPTION           XXXXXXXXXXXXXXXXXXXXXXXXX

                     3. COMM PCT - PRICE-1               ZZZ.99

                     4. COMM PCT - PRICE-2               ZZZ.99

                     5. COMM PCT - PRICE-3               ZZZ.99

                     6. COMM PCT - PRICE OVERRIDE        ZZZ.99

                     7. CALCULATION METHOD               X (1)






FIELD NUMBER TO CHANGE ?  9
```

```
P = ON PRICE   G = ON GROSS PROFIT (PRICE - COST) (1)
```

Version: RS COBOL System: O/E Release: 1 Program: OECOMLST Report: COMMISSION CODE LIST

```
RUN DATE: 99/99/99            -------------COMPANY NAME PRINTS HERE-------------                     PAGE 9999

                                   C O M M I S S I O N   C O D E   L I S T

CALCULATION METHOD: P = ON SALE PRICE   G = ON GROSS PROFIT (SALE PRICE - COST)

COMM  DESCRIPTION                COMM-PCT COMM-PCT COMM-PCT COMM-PCT  CALCULATION
CODE                             PRICE-1  PRICE-2  PRICE-3  OVRD-PRC    METHOD

 XX   XXXXXXXXXXXXXXXXXXXXXXXXX   ZZ.99    ZZ.99    ZZ.99    ZZ.99        X
 XX   XXXXXXXXXXXXXXXXXXXXXXXXX   ZZ.99    ZZ.99    ZZ.99    ZZ.99        X
 XX   XXXXXXXXXXXXXXXXXXXXXXXXX   ZZ.99    ZZ.99    ZZ.99    ZZ.99        X

 ZZ9 CODES ON FILE
```

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: PERIOD END CLOSING

Module Function: Clears the Period-to-Date Accumulators

Input: OEITMFIL Files Updated: OEITMFIL Output: None

Also See Related: User's Manual Operator Instructions
Video Display Termainal Format(s)
File Definition(s)

Enter Module From: OEMENU3 When Done Return To: OEMENU3

Programs in Module: OEPCLOSE

Program Functions and Notes:

OEPCLOSE

This program clears the Period-to-Date Accumulators in the Inventory Item File.

Ask the question "ARE YOU SURE YOU WANT TO DO THIS ?" on the screen per the related VDT format. If the answer is "Y", read through the Inventory Item File and move zeros to the Sales, Cost and Quantity Sold Period-to-Date fields.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEPCLOSE

```
PERIOD END CLOSING                                             --COMPANY NAME DISPLAYS HERE--









                   THIS PROGRAM CLEARS THE PERIOD-TO-DATE

                   FIELDS IN THE ITEM FILE.












ARE YOU SURE YOU WANT TO DO THIS ?  X
```

```
PROCEDURE COMPLETE - PRESS TAB TO RETURN TO THE O/E MENU
```

22.2.1

PROGRAM SPECIFICATIONS

Version: RS COBOL System: O/E Release: 1

Module Name: YEAR END CLOSING

Module Function: Clears the Year-to-Date Accumulators

Input: OEITMFIL Files Updated: OEITMFIL Output: None

Also See Related: User's Manual Operating Instructions
Video Display Terminal Format(s)
File Definition(s)

Enter Module From: OEMENU3 When Done Return To: OEMENU3

Programs in Module: OEYCLOSE

Program Functions and Notes:

<u>OEYCLOSE</u>

This program clears the Year-to-Date and Period-to-Date Accumulators in the Inventory Item File.

Ask the question "ARE YOU SURE YOU WANT TO DO THIS ?" on the screen per the related VDT format. If the answer is "Yes", read through the Inventory Item File and move zeros to the Sales, Cost and Quantity Sold Period-to-Date and Year-to-Date fields.

VIDEO TERMINAL FORMAT

Version: RS COBOL System: O/E Release: 1 Program: OEYCLOSE

23.2.1

```
 1 YEAR END CLOSING                                               --COMPANY NAME DISPLAYS HERE--
10                    THIS PROGRAM CLEARS THE PERIOD-TO-DATE AND
12                    YEAR-TO-DATE FIELDS IN THE ITEM FILE.
24 ARE YOU SURE YOU WANT TO DO THIS ? X

PROCEDURE COMPLETE - PRESS TAB TO RETURN TO THE O/E MENU
```

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PRINTED IN U.S.A.