RPG DISPLAYS

DISPLAY	REASON	ACTION
0E22	MR FIELD OUT OF SE-QUENCE IN S1 FILE	SAME AS 0E11
0E23	RECORD UNIDENTIFIED IN S1 FILE	SAME AS 0E11
0E31	CARD TYPE OUT OF SE-QUENCE IN SECONDARY (S2) FILE	SAME AS 0E11
0E32	MR FIELD OUT OF SE-QUENCE IN S2 FILE	SAME AS 0E11
0E33	RECORD UNIDENTIFIED IN S2 FILE	SAME AS 0E11
0E43	RECORD UNIDENTIFIED IN CHAINING FILE 'C1'	PRESS START TO GET ANOTHER RECORD FROM FILE
0E53	C2 RECORD UNIDENTI-FIED	SAME AS 0E43
0E63	C3 RECORD UNIDENTI-FIED	SAME AS 0E43
0E73	RECORD UNIDENTIFIED IN CALCULATION CHAINED FILE 1	PRESS START TO BYPASS RECORD IN ERROR
0E83	RECORD UNIDENTIFIED IN CALCULATION CHAINED FILE 2	PRESS START TO BYPASS RECORD IN ERROR
0E93	RECORD UNIDENTIFIED IN CALCULATION CHAINED FILE 3	PRESS START TO BYPASS RECORD IN ERROR
0EF0	H1 HALT	PRESS START TO CON-TINUE
0E0F	H2 HALT	SAME AS 0EF0
0EFF	H1 & H2 HALT	SAME AS 0EF0
1FFF	EOF SENTINEL READ	RUN COMPLETED
29EE	DIVIDE CHECK ERROR	CORRECT ERROR & RE-RUN
30U1	PROGRAM NOT FOUND	CORRECT ERROR & RERUN
380x	I/O ERROR ON UNIT x	UNRECOVERABLE
390x	I/O ERROR ON UNIT x	KEYIN NONZERO INTO LOCATION 4 TO TRY AGAIN
41EF	GENERATION COMPLETE OR EOF SENTINEL READ	MOS CONTROL TRANSFER TO EOJ ROUTINE
4730	A 1004 I/O ERROR	PRESS MANUAL ALTERATION 1. FEED ONE CARD IF NECESSARY. SET MANUAL ALTERATION 1 OFF AND PRESS RUN ON 1004. PRESS START ON 9200/9300 CONSOLE.
60x1	READ OR WRITE TAPE ERROR	PRESS START TO ATTEMPT RECOVERY ON KEYIN 01 TO CANCEL.
6ACA	1004 READER ERROR	UNRECOVERABLE.
6ACC	1004 CARD COUNT ERROR	PRESS START TO IGNORE.
6ACE	HOLE COUNT ERROR ON 1004	SET MANUAL ALTERATION 1; RUN OUT LAST CARD; INPUT LAST TWO CARDS AGAIN. RESET MANUAL ALTERATION 1; READ ONE CARD; PRESS RUN ON 1004. PRESS ONE CARD; PRESS RUN ON 1004. PRESS START ON 9200/9300 CONSOLE.

SPERRY UNIVAC
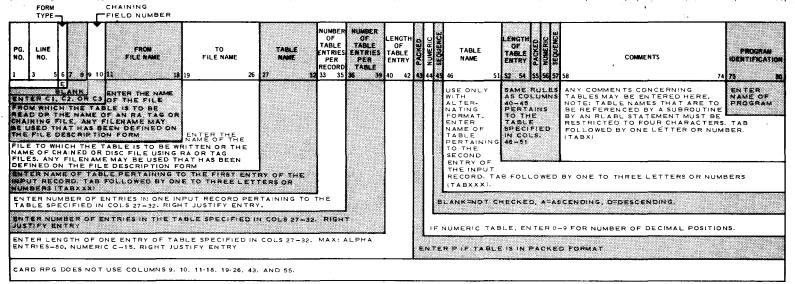## 9200/9300 Series

Report Program Generator Summary

SPERRY◆UNIVAC

LINE COUNTER SPECIFICATIONS

LABEL INFORMATION – EXPIRATION DATE

LABEL INFORMATION – VOLUME NUMBER

LABEL INFORMATION – GENERATION NUMBER

LABEL INFORMATION – CREATION DATE

LABEL INFORMATION – FILE IDENTIFICATION

SEVENTH CHANNEL NUMBER

SEVENTH LINE NUMBER

SIXTH CHANNEL NUMBER

SIXTH LINE NUMBER

FIFTH CHANNEL NUMBER

FIFTH LINE NUMBER

FOURTH CHANNEL NUMBER

FOURTH LINE NUMBER

THIRD CHANNEL NUMBER

THIRD LINE NUMBER

SECOND CHANNEL NUMBER

SECOND LINE NUMBER

FIRST CHANNEL NUMBER

FIRST LINE NUMBER

L=LINE COUNTER SPECIFICATIONS CARD IDENTIFICATION, MANDATORY ENTRY

RPG DISPLAYS

DISPLAY	REASON	ACTION
000F	MEMORY EXCEEDED DURING GENERATION	REVISE INPUT & RERUN
0333	GENERATION COMPLETE	PRESS START TO RUN
0CX1	DISC X PRIME DATA AREA FULL	PRESS START TO CLOSE FILES & CANCEL JOB
0CX2	DISC X OVERFLOW AREA FULL	SAME AS 0CX1
0CX3	DUPLICATE KEY FOUND ON DISC X	PRESS START TO IGNORE RECORD
0CX4	RECORD MISSING ON DISC X	IF RA FILE: PRESS START TO IGNORE RECORD
0CX5	RECORD OUT OF SEQUENCE ON DISC X	PRESS START TO IGNORE RECORD
0CFF	DISC HARDWARE ERROR	PRESS START TO CLOSE FILES & CANCEL JOB
0D01	SOURCE CODE ERRORS. NOT FATAL	PRESS START TO RUN
0D10	HEADER CONTROL CARD STERLING ERROR	CORRECT ERRORS & RERUN
0D11	NO CONTROL CARD	REFEED CONTROL CARD & LAST 2 CARDS READ. PRESS START
0D12	HEADER CONTROL CARD ERRORS IN COLS. 13 & 14 OR IN 23-25	SAME AS 0D11
0D13	PROGRAM IS TOO LARGE	REVISE INPUT & RERUN
0D14	SOURCE CODE ERRORS. FATAL	CORRECT ERRORS & RERUN
0D15	SUBROUTINE NOT DEFINED BY EXIT	SAME AS 0D14
0D16	CARD COUNT ERROR IN RPG OR SUBROUTINE	SAME AS 0D14
0D17	SUBROUTINE LABEL NOT DEFINED BY RLABL	SAME AS 0D14
0D18	TABLE LENGTH DEFINITION ERROR	SAME AS 0D14
0D19	SUBROUTINES MISSING OR INSERTED WRONG	SAME AS 0D14
0D20	PROGRAM AS GENERATED EXCEEDS MEMORY	REVISE INPUT & RERUN
0D21	TOO FEW TABLES	CORRECT ERROR & RERUN
0D22	TOO MANY TABLES	SAME AS 0D21
0D23	NO FILE DESCRIPTION CARD FOR CALCULATION CHAIN FILE	CORRECT ERROR & RERUN
0D30	RPG GENERATOR CARD SEQUENCE ERROR	CORRECT ERROR & RERUN
0D31	NO L CARD OR NO SENTINEL FOLLOWING L CARD	SAME AS 0D21
0D32	CHANNEL IN L CARD IS OVER 07	SAME AS 0D21
0E11	CARD TYPE OUT OF SEQUENCE IN PRIMARY FILE	IF CARD READER: PRESS START TO BYPASS CARD IN ERROR. CARD IS NEXT TO LAST IN STACK. IF CARD CONTROLLER: CARD IN POST-READ STATION CAUSED ERROR. CARD IN PRE-READ STATION IS PROCESSED NEXT
0E12	MATCHING RECORDS FIELD OUT OF SEQUENCE IN PRIMARY FILE	
0E13	RECORD UNIDENTIFIED IN PRIMARY FILE	
0E21	CARD TYPE OUT OF SEQUENCE IN SECONDARY (S1) FILE	

D=RESERVE SPACE FOR MEMORY DUMP ROUTINE BLANK=NO SPACE RESERVED

NOTE:

Ƀ = CLOSE REWIND WITH INTERLOCK
R = CLOSE REWIND WITHOUT INTERLOCK
N = NO REWIND

E = FILE IS TO BE EXTENDED; Ƀ = FILE NOT EXTENDED

LOGICAL UNIT NUMBER OF THIS FILE;
IF BLANK, 01 IS ASSUMED.

USER-DEFINED FILE NAME TO
RECEIVE OBJECT PROGRAM: IF
BLANK, RPGOUTPT IS ASSUMED.

COL. 54-70
8411
TRANSIENT
RPG ONLY

SAME CODES AS COL. 56

G = GET CODING TRANSIENT
P = PUT CODING TRANSIENT
B = BOTH GET AND PUT CODING TRANSIENT
Ƀ = GET AND PUT CODING IN LINE

FOR TAPE IOCS
FOR SEQUENTIAL:
FOR INDEX SEQUENTIAL:
G = GET/PUT CODING TRANSIENT
R = READ/WRITE CODING TRANSIENT
B = BOTH GET/PUT AND READ/WRITE CODING TRANSIENT
Ƀ = GET/PUT AND READ/WRITE CODING IN LINE

S = SETL/ESETL CODING TRANSIENT, Ƀ = SETL/ESETL CODING IN LINE

ID CHARACTERS 5-8 OF OBJECT PROGRAM (NCOS-COS ONLY)

HEXADECIMAL ADDRESS FOR TOP OF MEMORY FOR THIS PROGRAM (USED
IN COS)

HEXADECIMAL BASE ADDRESS FOR GENERATED PRO-
GRAM. USED WITH NCOS AND COS.
BLANK - OBJECT PROGRAM BASE ADDRESS = RPG BASE
ADDRESS.

PUNCHES IN COL. 73-76 OF OBJECT DECK

UP TO 4 CHARACTER I.D. OF OBJECT PROGRAM - OR ID FIELD ON TAPE/DISC

IF USING NCOS C = 1001 CONTROL STREAM INPUT
BLANK = READER CONTROL INPUT

M = HARDWARE MULTIPLY, DIVIDE, EDIT ON OBJECT COMPUTER
BLANK = SOFTWARE M/D/E

48 = 48 CHAR. BAR, BLANK = 63 CHAR. BAR FOR TYPE OF PRINT BAR USED
DURING GENERATION

Ƀ 96 = 96, 120 = 120, 132 = 132 FOR NO. OF PRINT POSITIONS USED IN OBJECT PROGRAM

BLANK = DECIMAL POINT NUMERIC LITERALS 1 = DECIMAL COMMA NUMERIC LITERALS

PENCE OUTPUT FORMAT   1 = HOLLERITH   BOTH BLANK=PENCE FORMAT
SHILLING OUTPUT FORMAT   2 = BSI   BOTH 0 = PRINT ONLY
PENCE INPUT FORMAT   1 = HOLLERITH   BOTH BLANK = PENCE FORMAT
SHILLING INPUT FORMAT   2 = BSI

Ƀ 8 = 8K   12 = 12K   16 = 16K   FOR STORAGE CAPACITY OF
24 = 24K   32 = 32K   SYSTEM USED TO GENERATE & EXECUTE

SEE NOTE ABOVE.

BLANK = GENERATE RPG LISTING   B = DO NOT GENERATE LISTING

BLANK = NO PUNCHING R= PUNCH OBJECT (ROW PUNCH) S = PUNCH OBJECT (SERIAL PUNCH)
*   NCOS-R OR S =GENERATE OBJECT PROGRAM ON TAPE/DISC LOGICAL UNIT 1
**   BLANK = GENERATE AND RUN

D = RESERVE MEMORY FOR DISC ONLY MOS; Ƀ FOR TAPE AND DISC MOS

H = RPG CONTROL CARD IDENTIFICATION; MANDATORY ENTRY

*2 = 2 TAPE CHANNELS AND PRINTER USED (MOS)
**D = LOAD FROM DAS LOADER

RPG HEADER CONTROL CARD

FILE EXTENSION SPECIFICATIONS

PG. NO.	LINE NO.	FORM TYPE	CHAINING FIELD NUMBER	FROM FILE NAME	TO FILE NAME	TABLE NAME	NUMBER OF TABLE ENTRIES PER RECORD	NUMBER OF TABLE ENTRIES PER TABLE	LENGTH OF TABLE ENTRY	PACKED	NUMERIC	SEQUENCE	TABLE NAME	LENGTH OF TABLE ENTRY	PACKED	NUMERIC	SEQUENCE	COMMENTS	PROGRAM IDENTIFICATION
1	3 5	6 7	8 9 10	11 18	19 26	27 32	33 35	36 39	40 42	43	44	45	46 51	52 54	55	56	57	58 74	75 80

E BLANK

ENTER C1, C2, OR C3

ENTER THE NAME OF THE FILE FROM WHICH THE TABLE IS TO BE READ OR THE NAME OF AN RA, TAG OR CHAINING FILE, ANY FILENAME MAY BE USED THAT HAS BEEN DEFINED ON THE FILE DESCRIPTION FORM

ENTER THE NAME OF THE FILE TO WHICH THE TABLE IS TO BE WRITTEN OR THE NAME OF CHAINED OR DISC FILE USING RA OR TAG FILES. ANY FILENAME MAY BE USED THAT HAS BEEN DEFINED ON THE FILE DESCRIPTION FORM

ENTER NAME OF TABLE PERTAINING TO THE FIRST ENTRY OF THE INPUT RECORD, TAB FOLLOWED BY ONE TO THREE LETTERS OR NUMBERS (TABXXX)

ENTER NUMBER OF ENTRIES IN ONE INPUT RECORD PERTAINING TO THE TABLE SPECIFIED IN COLS 27-32. RIGHT JUSTIFY ENTRY.

ENTER NUMBER OF ENTRIES IN THE TABLE SPECIFIED IN COLS 27-32. RIGHT JUSTIFY ENTRY

ENTER LENGTH OF ONE ENTRY OF TABLE SPECIFIED IN COLS 27-32. MAX: ALPHA ENTRIES-80, NUMERIC C-15. RIGHT JUSTIFY ENTRY

USE ONLY WITH ALTERNATING FORMAT. ENTER NAME OF TABLE PERTAINING TO THE SECOND ENTRY OF THE INPUT RECORD, TAB FOLLOWED BY ONE TO THREE LETTERS OR NUMBERS (TABXXX).

SAME RULES AS COLUMNS 40-45 PERTAINS TO THE TABLE SPECIFIED IN COLS. 46-51

ANY COMMENTS CONCERNING TABLES MAY BE ENTERED HERE. NOTE: TABLE NAMES THAT ARE TO BE REFERENCED BY A SUBROUTINE BY AN RLABL STATEMENT MUST BE RESTRICTED TO FOUR CHARACTERS. TAB FOLLOWED BY ONE LETTER OR NUMBER. (TABX)

ENTER NAME OF PROGRAM

BLANK=NOT CHECKED, A=ASCENDING, D=DESCENDING.

IF NUMERIC TABLE, ENTER 0-9 FOR NUMBER OF DECIMAL POSITIONS.

ENTER P IF TABLE IS IN PACKED FORMAT

CARD RPG DOES NOT USE COLUMNS 9, 10, 11-18, 19-26, 43, AND 55.

FILE DESCRIPTION

PG. NO.	LINE NO.	FORM TYPE	FILE NAME	FILE TYPE	FILE DESIGNATION	END OF FILE SEQUENCE	FORMAT	BLOCK LENGTH	RECORD LENGTH	L/R	RA FIELD LENGTH	I K	D I T	OF OV	KEY FIELD START LOCATION	FILE ORGANIZATION EXTENSION	DEVICE	LOGICAL UNIT NUMBER	LABELS	COMMENTS	COMMENTS	FILE ADDITION	PROGRAM IDENTIFICATION
1	3 5	6	7 14	15 16	17	18	19	20 23	24 27	28	29 30	31 32	33 34	35 38	39 40		40 46	47 52	53 54 55 56 65	66 67 68 69 70 71	74	75 80

F

ENTER NAME ASSIGNED TO FILE. LEFT-JUSTIFIED; NO BLANKS OR SPECIAL CHARACTERS MUST BEGIN WITH ALPHA AND MUST BE UNIQUE

I IF INPUT; O IF OUTPUT; C IF COMBINED (READ & PUNCH); U IF UPDATE

FOR I, C, & U TYPES: T IF TABLE, P IF PRIMARY DATA; S IF SECONDARY, R IF RA OR TAG, C IF CHAINED, BLANK FOR OUTPUT FILES

ALL FILES CONTAINING E MUST BE PROCESSED BEFORE LR IS TURNED ON. IF ALL FILES ARE BLANK, ALL ARE PROCESSED BEFORE LR IS ON.

ENTER A OR D IF MATCHING RECORDS ARE USED. A OR B IF ASCENDING ORDER, OR D FOR DESCENDING

TAPE AND DISC FILES ONLY: F IF FIXED-LENGTH; V IF VARIABLE-LENGTH RECORDS

ENTRY RIGHT-JUSTIFIED. IF FIXED, ENTER LENGTH; IF VARIABLE, ENTER LARGEST; IF BLANK, 80 IS ASSUMED

TAPE & DISC ONLY

TAPE & DISC ONLY: ENTRY RIGHT-JUSTIFIED. IF FIXED, ENTER RECORD SIZE; IF VARIABLE, ENTER LARGEST SIZE + 4. IF BLANK, 80 IS ASSUMED. IF FILE IS TAG, USE 0007 FOR 8410, 0008 FOR 8411/8414.

DISC FILES ONLY: L IF INDEXED SEQUENTIAL IS PROCESSED WITH RA LIMITS FILE. R IF FILE IS PROCESSED RANDOMLY. BLANK OTHERWISE.

ENTER LENGTH OF FIELD IN AN RA FILE LENGTH OF KEY IN INDEXED SEQUENTIAL FILE. 07 FOR 8410 TAG FILE OR 08 FOR 8411/8414 TAG FILE

USED FOR DISC FILE ONLY

IDENTIFIES LOCATION OF KEY IN INDEXED SEQUENTIAL FILES

USED ONLY WHEN TWO PRINT FILES IN PROGRAM; SPECIFIES OVERFLOW

D - SEQUENTIAL USING TAG FILE, I - INDEXED SEQUENTIAL FILE, T - TAG FILE; BLANK - SEQUENTIAL FILE IS USED SEQUENTIALLY

ENTER NAME OF DEVICE ASSOCIATED WITH THE FILE: CCPRI, CCSEC, READER, READ104, PUNCH, CRP, RRP, ROWPNCH, PNCH104, PRINT63, PRINT48, PRINT16, PRINTDR, PRNT104, TAPE, TAPE7, OR DISC. ENTRY IS LEFT-JUSTIFIED

NOT USED IN CARD RPG: ENTER LOGICAL UNIT NUMBER OF DEVICE. ENTRY RIGHT-JUSTIFIED. 8410 INDEXED SEQUENTIAL FILE: VOL 1 - COLUMNS 47 & 48; VOL 2 - 54 & 55; VOL 3 - 56 & 57. AND SO ON. 8411/14 INDEXED SEQUENTIAL FILE: VOL 1 - 51 & 52. VOL 2 - 54 & 55.

8411/14 ONLY: ENTER ALTERNATE LOGICAL UNIT NUMBER FOR MULTI-VOLUME SEQUENTIAL FILES

USED WITH INDEXED SEQUENTIAL FILES A-NEW RECORDS ARE TO BE ADDED, BLANK — NO NEW RECORDS (MUST BE BLANK FOR CALCULATION TIME CHAINED FILES)

USED WITH NCOS AND COS PROGRAMS: N - NONSTANDARD. B - OPEN TAPE FILES WITHOUT REWINDING. BLANK - OPEN WITH REWIND

TAPE & DISC ONLY: BLANK - FILE IS UNLABELED; S - STANDARD LABELS; N - NONSTANDARD LABELS. OUTPUT FILES CANNOT USE N.

L - BUFFERED PRINTING IS USED; E - FILE EXTENSION FORM IS USED

- FILE IS TAG FILE; R - FILE IS A RA FILE; A - FILE IS CHAINED AT CALCULATION TIME

ENTER NAME OF PROGRAM

INPUT FORMAT SPECIFICATIONS

Column headers (top ruler 1–80):

| FORM TYPE | OPTION NUMBER | RECORD INDICATOR | RECORD IDENTIFICATION CODES | STACKER SELECT | DATA FORMAT | DECIMAL POSITIONS | CHAINING OR MATCHING FIELDS CONTROL LEVEL | FIELD RECORD RELATION |

RECORD IDENTIFICATION CODES — 1, 2, 3

FIELD LOCATION

FIELD INDICATORS

| PG. NO. | LINE NO. | FILE NAME | SEQ. | | | POSITION | N O T | C Z D | C H A R | POSITION | N O T | C Z D | C H A R | POSITION | N O T | C Z D | C H A R | | FIELD LOCATION | | FIELD NAME | + | − | # OR - | STERLING SIGN POSITION | PROGRAM IDENTIFICATION |

Column numbers: 1 ... 3 ... 5 6 7 ... 14 15 17 18 19 21 ... 24 25 26 27 28 ... 31 32 33 34 35 ... 38 39 40 41 42 43 44 ... 47 48 ... 51 52 53 ... 58 59 61 63 65 67 69 71 ... 74 75 ... 80

START / END (FIELD LOCATION)

I

ENTER NAME FOR EACH INPUT, UPDATE, OR COMBINED FILE. LEFT JUSTIFY, NO BLANKS OR SPECIAL CHARACTERS. FIRST CHARACTER MUST BE ALPHA. NAME MUST CONFORM TO THE NAME SPECIFIED ON THE FILE DESCRIPTION FORM.

NUMERIC ENTRY TO ORDER RECORDS: ALPHA ENTRY IF NO SEQUENCE NEEDED. ALPHA FILES MUST APPEAR FIRST

ENTER 1 IF 1 RECORD PER GROUP, N IF MULTIPLE, BLANK IF SEQUENCE FIELD CONTAINS ALPHA

ENTER O IF RECORD OPTIONAL IN GROUP, BLANK IF REQUIRED

ENTER 01 TO 99 AS INDICATOR TO BE ASSOCIATED WITH RECORD TYPE IDENTIFIED BY COLS 21-41

ENTER POSITION THAT CONTAINS THE IDENTIFYING CODE FOR A SPECIFIC RECORD TYPE. RIGHT JUSTIFY ENTRY. ENTRY MUST BE NUMERIC

IF TWO POSITIONS ARE TO BE TESTED FOR IDENTIFYING CODES, ENTER SECOND POSITION ENTRY HERE.

IF THREE POSITIONS ARE TO BE TESTED FOR IDENTIFYING CODES, ENTER THIRD POSITION ENTRY HERE.

IDENTIFYING CODE TO BE TESTED FOR

Z TO TEST ZONE, D TO TEST DIGIT, C TO TEST ENTIRE COLUMN

N IF CODE MUST NOT BE PRESENT, BLANK OTHERWISE

LOCATION OF FIRST POSITION OF FIELD BEING DEFINED. RIGHT JUSTIFY ENTRY

LOCATION LAST POSITION OF FIELD BEING DEFINED. RIGHT JUSTIFY ENTRY

P IF INPUT FIELD IS PACKED DECIMAL. BLANK IF NOT

WHEN DESIRED TO SELECT CARDS READ IN READ/PUNCH ENTER 2

IF NUMERIC FIELD:0-9 FOR DECIMAL POSITIONS, ALPHA LEAVE BLANK

ENTER NAME (LEFT JUSTIFIED) ASSIGNED TO FIELD DESCRIBED IN COLS 44-51. NO BLANKS OR SPECIAL CHARACTERS. FIRST CHARACTER MUST BE ALPHA. RESTRICTED NAMES BEGIN WITH PAGE, IN, & TAB

ENTER L1 TO L9 TO INDICATE CONTROL LEVEL OF FIELD DEFINED. FIELD CANNOT BE IN PACKED FORMAT

ENTER INDICATOR TO BE SET ON FOR VALUES OF A NUMERIC FIELD GREATER THAN ZERO. NOT FOR ALPHA FIELDS.

ENTER RECORD INDICATOR OF RECORD IN OR RELATIONSHIP TO SHOW WHICH FIELD IS IN EACH RECORD OR CONTROL LEVEL INDICATOR TO INDICATE CHAINING FIELDS.

ENTER M1 TO M3 TO INDICATE MATCHING FIELDS IN PRIMARY & SECONDARY INPUTS. ALSO USED TO CHECK SEQUENCE. ENTER C1 TO C3 TO INDICATE CHAINING FIELDS

ENTER INDICATOR TO BE SET ON FOR VALUES OF A NUMERIC FIELD EQUAL TO ZERO OR BLANK, OR BLANK ALPHA FIELD

ENTER INDICATOR TO BE SET ON FOR VALUES OF A NUMERIC FIELD LESS THAN ZERO. (X PUNCH IN UNITS POSITION) NOT FOR ALPHA FIELDS

USE WHEN PROCESSING STERLING CURRENCY AMOUNTS

INPUT FORMAT SPECIFICATIONS

OUTPUT FORMAT SPECIFICATIONS

Column headers (top ruler 1–80):

| FORM TYPE | TYPE H/D/T | STACKER SELECT / PRINT OPTION | ZERO SUPPRESS | BLANK AFTER | DATA FORMAT |

SPACE / SKIP / OUTPUT INDICATORS

| PG. NO. | LINE NO. | FILE NAME | | SPACE (BEFORE/AFTER) | SKIP (BEFORE/AFTER) | OUTPUT INDICATORS (AND / AND) | FIELD NAME | END POSITION IN OUTPUT RECORD | | | CONSTANT OR EDIT WORD | STERLING SIGN POSITION | PROGRAM IDENTIFICATION |

Column numbers: 1 ... 5 6 7 ... 14 15 16 17 18 19 20 21 22 23 ... 25 26 28 29 31 32 ... 37 38 39 40 43 44 45 ... 70 71 ... 74 75 ... 80

O

ENTER NAME OF EACH OUTPUT FILE. ENTRY REQUIRED; LEFT JUSTIFY; NO BLANKS OR SPECIAL CHARACTERS. FIRST CHARACTER MUST BE ALPHA. NAME MUST CONFORM TO THE NAME SPECIFIED ON THE FILE DESCRIPTION FORM. ENTRY REQUIRED FOR EACH FILE DEFINED

H IF HEADING, D IF DETAIL, T IF TOTAL

2=SELECT PUNCH, N=NUMERIC PRINT

1 OR 2 TO SPACE BEFORE PRINTING

1 OR 2 TO SPACE AFTER PRINTING

01 TO 09 FOR SKIPPING TO CHANNEL POSITION BEFORE PRINTING

01 TO 07 FOR SKIPPING TO CHANNEL POSITION AFTER PRINTING

N IF INDICATOR OFF REQUIRED, BLANK IF OPPOSITE

ENTER INDICATOR WHOSE CONDITIONS MUST BE MET TO PERFORM OUTPUT DESCRIBED ON THIS LINE

IF TWO INDICATOR CONDITIONS MUST BE MET TO PERFORM OUTPUT DESCRIBED, ENTER SECOND INDICATOR HERE

IF THREE INDICATOR CONDITIONS MUST BE MET TO PERFORM OUTPUT DESCRIBED, ENTER THIRD INDICATOR HERE

ENTER NAME OF FIELD TO BE PRINTED CAN BE ANY NAME FROM INPUT OR CALCULATIONS SHEET. LEFT JUSTIFY ENTRY, NO BLANKS OR SPECIAL CHAR. FIRST CHAR. MUST BE ALPHA. USE "PAGE" TO PRINT PAGE NUMBER. USE "DATE" FOR DATE IN SUPERVISOR.

ENTER THE POSITION NUMBER OF THE OUTPUT RECORD WHERE THE RIGHTMOST CHARACTER OF THE FIELD IS TO APPEAR

B IF FIELD IS TO BE RESET TO BLANK OR O AFTER OUTPUT

Z TO SUPPRESS LEADING ZEROS & LEAST SIGNIFICANT ZONE

P IF OUTPUT FIELD IS TO BE IN PACKED FORMAT

ENTER ANY CONSTANTS TO BE OUTPUTTED OR ENTER EDIT WORDS FOR AMOUNT FIELDS. LEFT JUSTIFY ALL ENTRIES, ALPHA CONSTANTS UP TO 24 CHARACTERS, HEXADECIMAL CONSTANTS UP TO 22 CHARACTERS. BOTH TYPES ENCLOSED IN APOSTROPHE. HEXADECIMAL PRECEDED BY X, EDIT WORD MADE UP OF 2 TYPES OF CHAR.:DIGIT SELECT CHARACTERS ARE REPLACED BY DIGITS FROM THE FIELD. ALL OTHER CHARACTERS RETAIN THEIR POSITION IN THE BODY PORTION OF THE EDIT WORD EXCEPT AMPERSAND IS REPLACED BY SPACE. SIGNIFICANCE START CHARACTER (0 OR *) MARKS END OF ZERO SUPPRESS, ALSO DETERMINES FILL CHARACTER (0=SPACE, *=*). THE FIELD'S LEADING ZEROS & ALL INSERTS ARE SUPPRESSED UNTIL EITHER SIGNIFICANT DIGIT IN FIELD OR SIGNIFICANCE START CHARACTER(SSC) IS ENCOUNTERED. $ TO LEFT OF SSC CAUSES FLOATING $ SIGN. STATUS PORTION PRINTS IF FIELD IS NEGATIVE. STATUS PORTION REPLACED BY FILL CHAR. IF FIELD POSITIVE. CHARACTERS TO RIGHT OF STATUS ARE PRINTED.

ENTER NAME OF PROGRAM

USED WHEN PROCESSING STERLING CURRENCY AMOUNTS. "S" IN COL. 74 INDICATES STERLING OUTPUT

OUTPUT FORMAT SPECIFICATIONS

FORM TYPE — CONTROL LEVEL — INDICATORS — DECIMAL POSITIONS — HALF ADJUST

PG. NO.	LINE NO.		INDICATORS AND AND	FACTOR 1	OPERATION	FACTOR 2	RESULT FIELD	FIELD LENGTH		RESULTING INDICATORS COMPARE HI LO EQ	COMMENTS	PROGRAM IDENTIFICATION
1	3 5 6 7	C	9 11 12 14 15 17 18	27	28 32 33	42	43 48	49 51 52 53 54 56 58	60	74 75 80

ENTER L1–L9, L0, LR TO PERFORM CALCULATION LINES AT CORRESPOND-ING CONTROL-BREAKS

N IF INDICATOR OFF CONDITION REQUIRED; BLANK IF OPPOSITE

ANY INDICATOR WHOSE CONDITIONS MUST BE MET TO PERFORM CALCU-LATIONS ENTERED

SECOND INDICATOR – CONDITIONS THAT MUST BE MET TO PERFORM CALCULATIONS ENTERED

THIRD INDICATOR-CON-DITIONS THAT MUST BE MET TO PERFORM CAL-CULATIONS ENTERED

COLS. 7 TO 17   IF THESE COLUMNS ARE LEFT BLANK, THE CALCULATIONS SPECIFIED WILL BE EXECUTED FOR EVERY DETAIL RECORD

ENTER THE FIELD NAME OR LITERAL TO BE USED IN THE CALCULATIONS OR THE KEY FIELD OR LITERAL TO BE USED FOR CHAINING. FIELD NAME MUST HAVE BEEN DEFINED ELSE-WHERE (LENGTH, ETC.). LEFT JUSTIFY ENTRY. FIELD NAME–6 POSITIONS, NUMERIC LITERALS–10 POSITIONS OR 9 PLUS SIGN. ALPHA-NUMERIC LITERALS-8 CHARACTERS. EBCDIC ENCLOSED IN SINGLE QUOTES. HEXADECIMAL LITERALS 6 DIGIT ENCLOSED IN SINGLE QUOTES & PRECEDED BY X. USE UPSI TO ACCESS LOCATION X'0117' IN THE SUPERVISOR.

ENTER OPERA-TION CODE – ADD, Z–ADD, SUB, Z–SUB, MULT, DIV, MVR, COMP, MOVE, MOVEL, MLLZO, MLHZO, MHLZO, MHHZO, LOKUP, GOTO, EXIT, RLABL, TAG, SETON, SETOF, STKP1, STKP2, STKP3, STKPC, STKS1, STKS2, STKS3, STKSC, CHAIN

ENTER THE FIELD NAME OR LITERAL TO BE USED IN THE CALCULATIONS OR THE NAME OF A CHAINED FILE. FOLLOWS THE SAME RULES AS FACTOR 1 IN COLUMNS 18–27. USE UPSI TO ACCESS LOCATION X'0117' IN THE SUPERVISOR.

ENTER NAME OF FIELD IN WHICH RESULTS OF CALCU-LATIONS ARE TO BE STORED. LEFT JUSTIFY ENTRY. NO BLANKS OR SPECIAL CHARAC-TERS. FIRST CHARACTER MUST BE ALPHA.

ENTER COMMENTS CONCERN-ING CALCULATIONS HERE

ENTER NAME OF PROGRAM

ARITHMETIC–1 TO 3 INDICATORS FOR +, –, 0 RESULT. COMP–1 TO 3 INDICATORS FOR HI, LOW, OR EQUAL COMPARE. LOKUP–1 OR 2 INDICATORS TO TEST FOR TYPE OF LOOKUP. SETOF, SETON–1 TO 3 INDICATORS TO BE TURNED OFF OR ON.

ENTER H TO HALF ADJUST A NUMERIC RESULT FIELD

ENTER 0–9 NO. OF DECIMAL POSITIONS IF NUMERIC FIELD

ENTER LENGTH OF RESULT FIELD. ENTER ONLY ONCE FOR EACH RESULT FIELD NAME. MAX. LENGTH NUMERIC FIELD 15, ALPHA FIELD 255.

CALCULATION SPECIFICATIONS