

J E S 2 J O B L O G

10.09.29 JOB 1252 \$HASP373 UPDT01NC STARTED - INIT 1 - CLASS A - SYS HMVS
10.09.29 JOB 1252 IEF403I UPDT01NC - STARTED - TIME=10.09.29
10.09.29 JOB 1252 IEFACRT C0B /IKFCBL00/00:00:00.07/00:00:00.10/00004/UPDT01NC
10.09.29 JOB 1252 IEFACRT LKED /IEWL /00:00:00.02/00:00:00.05/00000/UPDT01NC
10.09.29 JOB 1252 IEF404I UPDT01NC - ENDED - TIME=10.09.29
10.09.29 JOB 1252 \$HASP395 UPDT01NC ENDED

----- JES2 JOB STATISTICS -----

26 JUL 25 JOB EXECUTION DATE

10 CARDS READ

1,130 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

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00001 IDENTIFICATION DIVISION.
00002 PROGRAM-ID. UPDT01N.
00003 DATE-WRITTEN. JUNE, 2025.
00004 DATE-COMPILED. JUL 26,2025.
00005 REMARKS. READ UPDATE RECORDS FROM TAPE,
00006         APPLY UPDATES TO VSAM KSDS CLUSTER,
00007         REPORT UPDATES APPLIED AND ERRORS ENCOUNTERED.
00008
00009 ENVIRONMENT DIVISION.
00010 INPUT-OUTPUT SECTION.
00011 FILE-CONTROL.
00012
00013         SELECT UPDATES-FILE
00014         ASSIGN TO UPDATEI.
00015
00016         SELECT STUDENT-MASTER-FILE
00017         ASSIGN TO STMASTU
00018         ORGANIZATION IS INDEXED
00019         ACCESS IS RANDOM
00020         RECORD KEY IS SMR-STUDENT-NUMBER
00021         FILE STATUS IS STMASTU-STATUS.
00022
00023         SELECT REPORT-FILE
00024         ASSIGN TO S-REPORT.
00025
00026 DATA DIVISION.
00027 FILE SECTION.
00028
00029 FD  UPDATES-FILE
00030     LABEL RECORDS STANDARD
00031     RECORD CONTAINS 151 CHARACTERS
00032     BLOCK CONTAINS 10 RECORDS
00033     DATA RECORD IS UPDATES-DATA-RECORD.
00034
00035 01  UPDATES-DATA-RECORD.
00036     02  UDR-TYPE                PIC X(01).
00037         88  ACTION-IS-ADD        VALUE 'A'.
00038         88  ACTION-IS-CHANGE     VALUE 'C'.
00039         88  ACTION-IS-DELETE     VALUE 'D'.
00040         88  ACTION-IS-VALID      VALUE 'A', 'C', 'D'.
00041     02  UDR-CHANGE-FIELDS        PIC X(150).
00042
00043 FD  STUDENT-MASTER-FILE
00044     RECORD CONTAINS 150 CHARACTERS
00045     DATA RECORD IS STUDENT-MASTER-RECORD.
00046
00047 01  STUDENT-MASTER-RECORD.
00048     02  SMR-STUDENT-NUMBER        PIC X(09).
00049     02  FILLER                    PIC X(141).
00050
00051 FD  REPORT-FILE
00052     LABEL RECORDS STANDARD
00053     REPORT IS UPDATE-REPORT.
00054
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00055      WORKING-STORAGE SECTION.
00056
00057      01  UPDATES-FILE-EOF-SW          PIC X      VALUE 'N' .
00058          88  UPDATES-FILE-EOF          VALUE 'Y' .
00059          88  UPDATES-FILE-NOT-EOF      VALUE 'N' .
00060
00061      01  STUDENT-MASTER-EXISTS-SW     PIC X      VALUE 'U' .
00062          88  STUDENT-MASTER-UNKNOWN    VALUE 'U' .
00063          88  STUDENT-MASTER-EXISTS     VALUE 'Y' .
00064          88  STUDENT-MASTER-NOT-EXISTS  VALUE 'N' .
00065
00066      01  STMASTU-STATUS                 PIC X(02) .
00067      01  WS-STATUS-MESSAGE             PIC X(40) .
00068      01  WS-UPDATE-TYPE                 PIC X(07) .
00069
00070      01  Y2K-GETD-PARAMETERS.
00071          02  Y2K-GETDP-DATE-G          PIC 9(8) .
00072          02  Y2K-GETDP-DATE-J          PIC 9(7) .
00073          02  Y2K-GETDP-ANUM            PIC S9(7) .
00074          02  Y2K-GETDP-CLOCK           PIC 9(8) .
00075          02  FILLER                    REDEFINES Y2K-GETDP-CLOCK .
00076              03  Y2K-GETDP-CLOCK-HH   PIC 9(2) .
00077              03  Y2K-GETDP-CLOCK-MM   PIC 9(2) .
00078              03  Y2K-GETDP-CLOCK-SS   PIC 9(2) .
00079              03  Y2K-GETDP-CLOCK-T     PIC 9(1) .
00080              03  Y2K-GETDP-CLOCK-H     PIC 9(1) .
00081          02  Y2K-GETDP-CLOCK12         PIC X(11) .
00082
00083      01  Y2K-DFMT-PARAMETERS.
00084          02  Y2K-DFMTP-DATEIN          PIC X(8) .
00085          02  Y2K-DFMTP-MAJOR           PIC X(1) .
00086          02  Y2K-DFMTP-MINOR          PIC X(1) .
00087          02  Y2K-DFMTP-RETURN-CODE     PIC 9(1) .
00088          02  Y2K-DFMTP-OUTPUT-SIZE     PIC S9(2) .
00089          02  Y2K-DFMTP-OUTPUT          PIC X(29) .
00090
00091      01  UPDATES-COUNT                  PIC 9(5) VALUE 0 .
00092      01  ERROR-COUNT                   PIC 9(5) VALUE 0 .
00093      01  ADDITIONS-COUNT                PIC 9(5) VALUE 0 .
00094      01  CHANGES-COUNT                 PIC 9(5) VALUE 0 .
00095      01  DELETIONS-COUNT                PIC 9(5) VALUE 0 .
00096
00097      01  FIELD-UPDATE-FLAGS.
00098          02  FUF-FIRST-NAME             PIC X .
00099          02  FUF-MINITIAL               PIC X .
00100          02  FUF-LAST-NAME              PIC X .
00101          02  FUF-STREET                 PIC X .
00102          02  FUF-CITY                   PIC X .
00103          02  FUF-STATE                  PIC X .
00104          02  FUF-ZIPCODE                PIC X .
00105          02  FUF-BIRTH-DATE             PIC X .
00106          02  FUF-ENROLL-DATE            PIC X .
00107          02  FUF-CONTACT-DATE           PIC X .
00108          02  FUF-GENDER                 PIC X .
00109          02  FUF-SORT-NAME              PIC X .
00110
00111      COPY 'STMASTER'
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00112      REPLACING SI-MASTER-RECORD BY UPDATE-FIELDS.
00113 C      *-----*
00114 C      * STUDENT INFORMATION MASTER RECORD.
00115 C      *-----*
00116 C      01  UPDATE-FIELDS.
00117 C          02  SI-STUDENT-NUMBER          PIC 9(09).
00118 C          02  SI-FIRST-NAME              PIC X(11).
00119 C          02  SI-MINITIAL                 PIC X(01).
00120 C          02  SI-LAST-NAME                PIC X(10).
00121 C          02  SI-STREET                   PIC X(35).
00122 C          02  SI-CITY                      PIC X(20).
00123 C          02  SI-STATE                     PIC X(02).
00124 C          02  SI-ZIPCODE                  PIC X(05).
00125 C          02  SI-BIRTH-DATE               PIC X(08).
00126 C          02  SI-ENROLL-DATE              PIC X(08).
00127 C          02  SI-CONTACT-DATE             PIC X(08).
00128 C          02  SI-GENDER                   PIC X(01).
00129 C          02  SI-SORT-NAME                PIC X(30).
00130 C          02  FILLER                     PIC X(02).
00131
00132      COPY 'STMASTER'
00133      REPLACING SI-MASTER-RECORD BY PRIOR-FIELDS.
00134 C      *-----*
00135 C      * STUDENT INFORMATION MASTER RECORD.
00136 C      *-----*
00137 C      01  PRIOR-FIELDS.
00138 C          02  SI-STUDENT-NUMBER          PIC 9(09).
00139 C          02  SI-FIRST-NAME              PIC X(11).
00140 C          02  SI-MINITIAL                 PIC X(01).
00141 C          02  SI-LAST-NAME                PIC X(10).
00142 C          02  SI-STREET                   PIC X(35).
00143 C          02  SI-CITY                      PIC X(20).
00144 C          02  SI-STATE                     PIC X(02).
00145 C          02  SI-ZIPCODE                  PIC X(05).
00146 C          02  SI-BIRTH-DATE               PIC X(08).
00147 C          02  SI-ENROLL-DATE              PIC X(08).
00148 C          02  SI-CONTACT-DATE             PIC X(08).
00149 C          02  SI-GENDER                   PIC X(01).
00150 C          02  SI-SORT-NAME                PIC X(30).
00151 C          02  FILLER                     PIC X(02).
00152
00153      COPY 'STMASTER'.
00154 C      *-----*
00155 C      * STUDENT INFORMATION MASTER RECORD.
00156 C      *-----*
00157 C      01  SI-MASTER-RECORD.
00158 C          02  SI-STUDENT-NUMBER          PIC 9(09).
00159 C          02  SI-FIRST-NAME              PIC X(11).
00160 C          02  SI-MINITIAL                 PIC X(01).
00161 C          02  SI-LAST-NAME                PIC X(10).
00162 C          02  SI-STREET                   PIC X(35).
00163 C          02  SI-CITY                      PIC X(20).
00164 C          02  SI-STATE                     PIC X(02).
00165 C          02  SI-ZIPCODE                  PIC X(05).
00166 C          02  SI-BIRTH-DATE               PIC X(08).
00167 C          02  SI-ENROLL-DATE              PIC X(08).
00168 C          02  SI-CONTACT-DATE             PIC X(08).
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00169	C	02	SI-GENDER	PIC X(01).
00170	C	02	SI-SORT-NAME	PIC X(30).
00171	C	02	FILLER	PIC X(02).
00172				
00173		01	WS-SORT-NAME.	
00174		02	WSSN-CH	OCCURS 30 TIMES
00175				INDEXED BY WSSN-IX
00176				PIC X.
00177				
00178		01	WS-SOURCE.	
00179		02	WSS-CH	OCCURS 11 TIMES
00180				INDEXED BY WSS-IX
00181				PIC X.
00182				
00183			REPORT SECTION.	
00184		RD	UPDATE-REPORT	
00185			PAGE LIMIT IS 66 LINES	
00186			HEADING 2	
00187			FIRST DETAIL 5	
00188			LAST DETAIL 58.	
00189				
00190		01	PAGE-HEAD-GROUP TYPE PAGE HEADING.	
00191		02	LINE 2.	
00192		03	COLUMN 01	PIC X(10) SOURCE Y2K-DFMTP-OUTPUT.
00193		03	COLUMN 15	PIC X(03) VALUE '(N)'.
00194		03	COLUMN 24	PIC X(07) VALUE 'Student'.
00195		03	COLUMN 34	PIC X(06) VALUE 'Master'.
00196		03	COLUMN 43	PIC X(06) VALUE 'Update'.
00197		03	COLUMN 52	PIC X(06) VALUE 'Report'.
00198		03	COLUMN 71	PIC X(04) VALUE 'Page'.
00199		03	COLUMN 76	PIC Z,ZZ9 SOURCE PAGE-COUNTER.
00200		02	LINE 3.	
00201		03	COLUMN 01	PIC X(11) SOURCE Y2K-GETDP-CLOCK12.
00202				
00203		01	UPDATE-DETAIL TYPE DETAIL.	
00204		02	LINE PLUS 1.	
00205		03	COLUMN 04	PIC X(09) SOURCE SI-STUDENT-NUMBER
00206				OF UPDATE-FIELDS.
00207		03	COLUMN 14	PIC X(01) SOURCE UDR-TYPE.
00208		03	COLUMN 16	PIC X(07) SOURCE WS-UPDATE-TYPE.
00209		03	COLUMN 40	PIC X(40) SOURCE WS-STATUS-MESSAGE.
00210		02	LINE PLUS 1.	
00211		03	COLUMN 04	PIC X(11) SOURCE SI-FIRST-NAME
00212				OF PRIOR-FIELDS.
00213		03	COLUMN 16	PIC X(01) SOURCE SI-MINITIAL
00214				OF PRIOR-FIELDS.
00215		03	COLUMN 28	PIC X(10) SOURCE SI-LAST-NAME
00216				OF PRIOR-FIELDS.
00217		03	COLUMN 44	PIC X(01) SOURCE FUF-FIRST-NAME.
00218		03	COLUMN 46	PIC X(11) SOURCE SI-FIRST-NAME
00219				OF SI-MASTER-RECORD.
00220		03	COLUMN 58	PIC X(01) SOURCE FUF-MINITIAL.
00221		03	COLUMN 60	PIC X(01) SOURCE SI-MINITIAL
00222				OF SI-MASTER-RECORD.
00223		03	COLUMN 62	PIC X(01) SOURCE FUF-LAST-NAME.
00224		03	COLUMN 64	PIC X(10) SOURCE SI-LAST-NAME
00225				OF SI-MASTER-RECORD.

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00226	02	LINE PLUS 1.		
00227		03 COLUMN 04	PIC X(35)	SOURCE SI-STREET
00228				OF PRIOR-FIELDS.
00229		03 COLUMN 44	PIC X(01)	SOURCE FUF-STREET.
00230		03 COLUMN 46	PIC X(35)	SOURCE SI-STREET
00231				OF SI-MASTER-RECORD.
00232	02	LINE PLUS 1.		
00233		03 COLUMN 04	PIC X(20)	SOURCE SI-CITY
00234				OF PRIOR-FIELDS.
00235		03 COLUMN 25	PIC X(02)	SOURCE SI-STATE
00236				OF PRIOR-FIELDS.
00237		03 COLUMN 28	PIC X(05)	SOURCE SI-ZIPCODE
00238				OF PRIOR-FIELDS.
00239		03 COLUMN 44	PIC X(01)	SOURCE FUF-CITY.
00240		03 COLUMN 46	PIC X(20)	SOURCE SI-CITY
00241				OF SI-MASTER-RECORD.
00242		03 COLUMN 67	PIC X(01)	SOURCE FUF-STATE.
00243		03 COLUMN 69	PIC X(02)	SOURCE SI-STATE
00244				OF SI-MASTER-RECORD.
00245		03 COLUMN 72	PIC X(01)	SOURCE FUF-ZIPCODE.
00246		03 COLUMN 74	PIC X(05)	SOURCE SI-ZIPCODE
00247				OF SI-MASTER-RECORD.
00248	02	LINE PLUS 1.		
00249		03 COLUMN 04	PIC X(08)	SOURCE SI-BIRTH-DATE
00250				OF PRIOR-FIELDS.
00251		03 COLUMN 13	PIC X(08)	SOURCE SI-ENROLL-DATE
00252				OF PRIOR-FIELDS.
00253		03 COLUMN 22	PIC X(08)	SOURCE SI-CONTACT-DATE
00254				OF PRIOR-FIELDS.
00255		03 COLUMN 31	PIC X(01)	SOURCE SI-GENDER
00256				OF PRIOR-FIELDS.
00257		03 COLUMN 44	PIC X(01)	SOURCE FUF-BIRTH-DATE.
00258		03 COLUMN 46	PIC X(08)	SOURCE SI-BIRTH-DATE
00259				OF SI-MASTER-RECORD.
00260		03 COLUMN 55	PIC X(01)	SOURCE FUF-ENROLL-DATE.
00261		03 COLUMN 57	PIC X(08)	SOURCE SI-ENROLL-DATE
00262				OF SI-MASTER-RECORD.
00263		03 COLUMN 66	PIC X(01)	SOURCE FUF-CONTACT-DATE.
00264		03 COLUMN 67	PIC X(08)	SOURCE SI-CONTACT-DATE
00265				OF SI-MASTER-RECORD.
00266		03 COLUMN 77	PIC X(01)	SOURCE FUF-GENDER.
00267		03 COLUMN 79	PIC X(01)	SOURCE SI-GENDER
00268				OF SI-MASTER-RECORD.
00269	02	LINE PLUS 1.		
00270		03 COLUMN 04	PIC X(30)	SOURCE SI-SORT-NAME
00271				OF PRIOR-FIELDS.
00272		03 COLUMN 44	PIC X(01)	SOURCE FUF-SORT-NAME.
00273		03 COLUMN 46	PIC X(30)	SOURCE SI-SORT-NAME
00274				OF SI-MASTER-RECORD.
00275	02	LINE PLUS 2.		
00276				
00277	01	LOAD-SUMMARY TYPE REPORT FOOTING.		
00278	02	LINE 2.		
00279		03 COLUMN 01	PIC X(10)	SOURCE Y2K-DFMTP-OUTPUT.
00280		03 COLUMN 15	PIC X(03)	VALUE '(N)'.
00281		03 COLUMN 24	PIC X(07)	VALUE 'Student'.
00282		03 COLUMN 34	PIC X(06)	VALUE 'Master'.

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00283		03	COLUMN 43 PIC X(06) VALUE 'Update'.
00284		03	COLUMN 52 PIC X(06) VALUE 'Report'.
00285		03	COLUMN 71 PIC X(04) VALUE 'Page'.
00286		03	COLUMN 76 PIC Z,ZZ9 SOURCE PAGE-COUNTER.
00287	02		LINE 3.
00288		03	COLUMN 01 PIC X(11) SOURCE Y2K-GETDP-CLOCK12.
00289	02		LINE 6.
00290		03	COLUMN 13 PIC ZZ,ZZ9 SOURCE UPDATES-COUNT.
00291		03	COLUMN 20 PIC X(30) VALUE
00292			'Records read from UPDATEI'.
00293	02		LINE PLUS 2.
00294		03	COLUMN 13 PIC ZZ,ZZ9 SOURCE ERROR-COUNT.
00295		03	COLUMN 20 PIC X(30) VALUE
00296			'Records rejected with errors'.
00297	02		LINE PLUS 2.
00298		03	COLUMN 13 PIC ZZ,ZZ9 SOURCE ADDITIONS-COUNT.
00299		03	COLUMN 20 PIC X(30) VALUE
00300			'Records added to STMASTU'.
00301	02		LINE PLUS 2.
00302		03	COLUMN 13 PIC ZZ,ZZ9 SOURCE CHANGES-COUNT.
00303		03	COLUMN 20 PIC X(30) VALUE
00304			'Records changed in STMASTU'.
00305	02		LINE PLUS 2.
00306		03	COLUMN 13 PIC ZZ,ZZ9 SOURCE DELETIONS-COUNT.
00307		03	COLUMN 20 PIC X(30) VALUE
00308			'Records deleted from STMASTU'.
00309			
00310			PROCEDURE DIVISION.
00311			
00312			0000-MAIN SECTION.
00313			
00314			0000-UPDATE-STUDENT-FILE.
00315			
00316			CALL 'Y2KGETD' USING Y2K-GETD-PARAMETERS.
00317			MOVE Y2K-GETDP-DATE-G TO Y2K-DFMTP-DATEIN.
00318			MOVE '1' TO Y2K-DFMTP-MAJOR.
00319			MOVE '3' TO Y2K-DFMTP-MINOR.
00320			CALL 'Y2KDFMT' USING Y2K-DFMT-PARAMETERS.
00321			
00322			OPEN INPUT UPDATES-FILE,
00323			I-O STUDENT-MASTER-FILE,
00324			OUTPUT REPORT-FILE.
00325			INITIATE UPDATE-REPORT.
00326			
00327			PERFORM 1100-READ-UPDATES-FILE
00328			UNTIL UPDATES-FILE-EOF.
00329			
00330			TERMINATE UPDATE-REPORT.
00331			CLOSE UPDATES-FILE,
00332			STUDENT-MASTER-FILE,
00333			REPORT-FILE.
00334			
00335			GOBACK.
00336			
00337			1000-LEVEL-1-ROUTINES SECTION.
00338			
00339			1100-READ-UPDATES-FILE.

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00340
00341      READ UPDATES-FILE
00342      AT END MOVE 'Y' TO UPDATES-FILE-EOF-SW.
00343
00344      IF UPDATES-FILE-NOT-EOF
00345      PERFORM 2100-PROCESS-UPDATE-RECORD.
00346
00347      2000-LEVEL-2-ROUTINES SECTION.
00348
00349      2100-PROCESS-UPDATE-RECORD.
00350
00351      ADD 1 TO UPDATES-COUNT.
00352
00353      MOVE SPACES TO FIELD-UPDATE-FLAGS,
00354             PRIOR-FIELDS.
00355
00356      IF ACTION-IS-ADD
00357      MOVE 'Add' TO WS-UPDATE-TYPE
00358      ELSE
00359      IF ACTION-IS-CHANGE
00360      MOVE 'Change' TO WS-UPDATE-TYPE
00361      ELSE
00362      IF ACTION-IS-DELETE
00363      MOVE 'Delete' TO WS-UPDATE-TYPE
00364      ELSE
00365      MOVE 'Invalid' TO WS-UPDATE-TYPE
00366      MOVE 'Update code is not valid (A/C/D)'
00367      TO WS-STATUS-MESSAGE.
00368
00369      IF ACTION-IS-VALID
00370      MOVE UDR-CHANGE-FIELDS TO UPDATE-FIELDS
00371      PERFORM 2200-PROCESS-VALID-UPDATE
00372      ELSE
00373      ADD 1 TO ERROR-COUNT
00374      INSPECT UPDATE-FIELDS
00375      REPLACING ALL LOW-VALUES BY SPACES
00376      MOVE UPDATE-FIELDS TO SI-MASTER-RECORD.
00377
00378      GENERATE UPDATE-DETAIL.
00379
00380      2200-PROCESS-VALID-UPDATE.
00381
00382      MOVE SI-STUDENT-NUMBER OF UPDATE-FIELDS
00383      TO SMR-STUDENT-NUMBER.
00384      MOVE 'U' TO STUDENT-MASTER-EXISTS-SW.
00385      READ STUDENT-MASTER-FILE
00386      INVALID KEY
00387      MOVE 'N' TO STUDENT-MASTER-EXISTS-SW.
00388
00389      IF STMASTU-STATUS = '00'
00390      MOVE 'Y' TO STUDENT-MASTER-EXISTS-SW
00391      MOVE STUDENT-MASTER-RECORD TO SI-MASTER-RECORD.
00392
00393      IF STUDENT-MASTER-NOT-EXISTS
00394      MOVE SPACES TO SI-MASTER-RECORD.
00395
00396      IF ACTION-IS-ADD
```

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00397	PERFORM 3100-PROCESS-ADD		
00398	ELSE		
00399	IF ACTION-IS-CHANGE		
00400	PERFORM 3200-PROCESS-CHANGE		
00401	ELSE		
00402	IF ACTION-IS-DELETE		
00403	PERFORM 3300-PROCESS-DELETE.		
00404			
00405	3000-LEVEL-3-ROUTINES SECTION.		
00406			
00407	3100-PROCESS-ADD.		
00408			
00409	IF STUDENT-MASTER-EXISTS		
00410	MOVE 'Attempted add for existing ID'		
00411	TO WS-STATUS-MESSAGE		
00412	MOVE SI-MASTER-RECORD TO PRIOR-FIELDS		
00413	INSPECT UPDATE-FIELDS		
00414	REPLACING ALL LOW-VALUES BY SPACE		
00415	MOVE UPDATE-FIELDS TO SI-MASTER-RECORD		
00416	ADD 1 TO ERROR-COUNT		
00417	ELSE		
00418	PERFORM 4100-PROCESS-VALID-ADD.		
00419			
00420	3200-PROCESS-CHANGE.		
00421			
00422	MOVE SI-MASTER-RECORD TO PRIOR-FIELDS.		
00423			
00424	IF STUDENT-MASTER-NOT-EXISTS		
00425	MOVE 'Master record not found for ID'		
00426	TO WS-STATUS-MESSAGE		
00427	INSPECT UPDATE-FIELDS		
00428	REPLACING ALL LOW-VALUES BY SPACE		
00429	MOVE UPDATE-FIELDS TO SI-MASTER-RECORD		
00430	ADD 1 TO ERROR-COUNT		
00431	ELSE		
00432	PERFORM 4200-PROCESS-VALID-CHANGE.		
00433			
00434	3300-PROCESS-DELETE.		
00435			
00436	IF STUDENT-MASTER-NOT-EXISTS		
00437	MOVE 'Master record not found for ID'		
00438	TO WS-STATUS-MESSAGE		
00439	MOVE SPACES TO SI-MASTER-RECORD		
00440	MOVE SI-STUDENT-NUMBER OF UPDATE-FIELDS		
00441	TO SI-STUDENT-NUMBER OF SI-MASTER-RECORD		
00442	ADD 1 TO ERROR-COUNT		
00443	ELSE		
00444	PERFORM 4300-PROCESS-VALID-DELETE.		
00445			
00446	4000-LEVEL-4-ROUTINES SECTION.		
00447			
00448	4100-PROCESS-VALID-ADD.		
00449			
00450	MOVE UPDATE-FIELDS TO SI-MASTER-RECORD.		
00451	PERFORM 5100-BUILD-SORT-NAME.		
00452			
00453	WRITE STUDENT-MASTER-RECORD FROM SI-MASTER-RECORD		

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00454          INVALID KEY
00455          MOVE 'Invalid key on record write  '
00456          TO WS-STATUS-MESSAGE
00457          ADD 1 TO ERROR-COUNT.
00458
00459          IF STMASTU-STATUS = '00'
00460          ADD 1 TO ADDITIONS-COUNT.
00461          MOVE 'Record added successfully'
00462          TO WS-STATUS-MESSAGE.
00463
00464          4200-PROCESS-VALID-CHANGE.
00465
00466          IF SI-FIRST-NAME OF UPDATE-FIELDS NOT = LOW-VALUES
00467          MOVE '>' TO FUF-FIRST-NAME,
00468          FUF-SORT-NAME
00469          MOVE SI-FIRST-NAME OF UPDATE-FIELDS
00470          TO SI-FIRST-NAME OF SI-MASTER-RECORD.
00471
00472          IF SI-MINITIAL OF UPDATE-FIELDS NOT = LOW-VALUES
00473          MOVE '>' TO FUF-MINITIAL
00474          FUF-SORT-NAME
00475          MOVE SI-MINITIAL OF UPDATE-FIELDS
00476          TO SI-MINITIAL OF SI-MASTER-RECORD.
00477
00478          IF SI-LAST-NAME OF UPDATE-FIELDS NOT = LOW-VALUES
00479          MOVE '>' TO FUF-LAST-NAME
00480          FUF-SORT-NAME
00481          MOVE SI-LAST-NAME OF UPDATE-FIELDS
00482          TO SI-LAST-NAME OF SI-MASTER-RECORD.
00483
00484          IF SI-STREET OF UPDATE-FIELDS NOT = LOW-VALUES
00485          MOVE '>' TO FUF-STREET
00486          MOVE SI-STREET OF UPDATE-FIELDS
00487          TO SI-STREET OF SI-MASTER-RECORD.
00488
00489          IF SI-CITY OF UPDATE-FIELDS NOT = LOW-VALUES
00490          MOVE '>' TO FUF-CITY
00491          MOVE SI-CITY OF UPDATE-FIELDS
00492          TO SI-CITY OF SI-MASTER-RECORD.
00493
00494          IF SI-STATE OF UPDATE-FIELDS NOT = LOW-VALUES
00495          MOVE '>' TO FUF-STATE
00496          MOVE SI-STATE OF UPDATE-FIELDS
00497          TO SI-STATE OF SI-MASTER-RECORD.
00498
00499          IF SI-ZIPCODE OF UPDATE-FIELDS NOT = LOW-VALUES
00500          MOVE '>' TO FUF-ZIPCODE
00501          MOVE SI-ZIPCODE OF UPDATE-FIELDS
00502          TO SI-ZIPCODE OF SI-MASTER-RECORD.
00503
00504          IF SI-BIRTH-DATE OF UPDATE-FIELDS NOT = LOW-VALUES
00505          MOVE '>' TO FUF-BIRTH-DATE
00506          MOVE SI-BIRTH-DATE OF UPDATE-FIELDS
00507          TO SI-BIRTH-DATE OF SI-MASTER-RECORD.
00508
00509          IF SI-ENROLL-DATE OF UPDATE-FIELDS NOT = LOW-VALUES
00510          MOVE '>' TO FUF-ENROLL-DATE
```

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00511		MOVE SI-ENROLL-DATE OF UPDATE-FIELDS	
00512		TO SI-ENROLL-DATE OF SI-MASTER-RECORD.	
00513			
00514		IF SI-CONTACT-DATE OF UPDATE-FIELDS NOT = LOW-VALUES	
00515		MOVE '>' TO FUF-CONTACT-DATE	
00516		MOVE SI-CONTACT-DATE OF UPDATE-FIELDS	
00517		TO SI-CONTACT-DATE OF SI-MASTER-RECORD.	
00518			
00519		IF SI-GENDER OF UPDATE-FIELDS NOT = LOW-VALUES	
00520		MOVE '>' TO FUF-GENDER	
00521		MOVE SI-GENDER OF UPDATE-FIELDS	
00522		TO SI-GENDER OF SI-MASTER-RECORD.	
00523			
00524		IF FUF-FIRST-NAME = '>'	
00525		OR FUF-MINITIAL = '>'	
00526		OR FUF-LAST-NAME = '>'	
00527		MOVE '>' TO FUF-SORT-NAME	
00528		PERFORM 5100-BUILD-SORT-NAME.	
00529			
00530		REWRITE STUDENT-MASTER-RECORD FROM SI-MASTER-RECORD	
00531		INVALID KEY	
00532		MOVE 'Invalid key on record rewrite'	
00533		TO WS-STATUS-MESSAGE	
00534		ADD 1 TO ERROR-COUNT.	
00535			
00536		IF STMASTU-STATUS = '00'	
00537		ADD 1 TO CHANGES-COUNT.	
00538		MOVE 'Record changed successfully'	
00539		TO WS-STATUS-MESSAGE.	
00540			
00541		4300-PROCESS-VALID-DELETE.	
00542			
00543		MOVE SPACES TO UPDATE-FIELDS.	
00544			
00545		DELETE STUDENT-MASTER-FILE RECORD	
00546		INVALID KEY	
00547		MOVE 'Invalid key on record delete'	
00548		TO WS-STATUS-MESSAGE	
00549		ADD 1 TO ERROR-COUNT.	
00550			
00551		IF STMASTU-STATUS = '00'	
00552		ADD 1 TO DELETIONS-COUNT.	
00553		MOVE 'Record deleted successfully'	
00554		TO WS-STATUS-MESSAGE	
00555		MOVE SI-MASTER-RECORD TO PRIOR-FIELDS	
00556		MOVE SPACES TO SI-MASTER-RECORD.	
00557			
00558		5000-LEVEL-5-ROUTINES SECTION.	
00559			
00560		5100-BUILD-SORT-NAME.	
00561			
00562		MOVE SPACES TO WS-SORT-NAME.	
00563		MOVE SI-LAST-NAME OF SI-MASTER-RECORD TO WS-SOURCE.	
00564		SET WSS-IX, WSSN-IX TO 1.	
00565		PERFORM 6100-MOVE-CHARACTER	
00566		UNTIL WSS-CH (WSS-IX) = SPACE	
00567		OR WSS-IX > 10.	

[illegible]

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=2-103	FD	UPDATES-FILE	DCB=01		DNM=2-103		QSAM				F
DNM=2-129	01	UPDATES-DATA-RECORD	BL=1	000	DNM=2-129	DS 0CL151	GROUP				
DNM=2-161	02	UDR-TYPE	BL=1	000	DNM=2-161	DS 1C	DISP				
DNM=2-182	88	ACTION-IS-ADD			DNM=2-182						
DNM=2-206	88	ACTION-IS-CHANGE			DNM=2-206						
DNM=2-233	88	ACTION-IS-DELETE			DNM=2-233						
DNM=2-260	88	ACTION-IS-VALID			DNM=2-260						
DNM=2-285	02	UDR-CHANGE-FIELDS	BL=1	001	DNM=2-285	DS 150C	DISP				
DNM=2-312	FD	STUDENT-MASTER-FILE	FIB=01		DNM=2-312		VSAM				
DNM=2-344	01	STUDENT-MASTER-RECORD	BL=2	000	DNM=2-344	DS 0CL150	GROUP				
DNM=2-378	02	SMR-STUDENT-NUMBER	BL=2	000	DNM=2-378	DS 9C	DISP				
DNM=2-406	02	FILLER	BL=2	009	DNM=2-406	DS 141C	DISP				
DNM=2-417	FD	REPORT-FILE	DCB=02		DNM=2-417		QSAM				F
DNM=2-442	01	-0001	BL=3	000	DNM=2-442	DS 133C	DISP				
DNM=2-460	01	UPDATES-FILE-EOF-SW	BL=4	000	DNM=2-460	DS 1C	DISP				
DNM=3-000	88	UPDATES-FILE-EOF			DNM=3-000						
DNM=3-027	88	UPDATES-FILE-NOT-EOF			DNM=3-027						
DNM=3-058	01	STUDENT-MASTER-EXISTS-SW	BL=4	008	DNM=3-058	DS 1C	DISP				
DNM=3-095	88	STUDENT-MASTER-UNKNOWN			DNM=3-095						
DNM=3-128	88	STUDENT-MASTER-EXISTS			DNM=3-128						
DNM=3-160	88	STUDENT-MASTER-NOT-EXISTS			DNM=3-160						
DNM=3-196	01	STMASTU-STATUS	BL=4	010	DNM=3-196	DS 2C	DISP				
DNM=3-220	01	WS-STATUS-MESSAGE	BL=4	018	DNM=3-220	DS 40C	DISP				
DNM=3-247	01	WS-UPDATE-TYPE	BL=4	040	DNM=3-247	DS 7C	DISP				
DNM=3-274	01	Y2K-GETD-PARAMETERS	BL=4	048	DNM=3-274	DS 0CL41	GROUP				
DNM=3-306	02	Y2K-GETDP-DATE-G	BL=4	048	DNM=3-306	DS 8C	DISP-NM				
DNM=3-332	02	Y2K-GETDP-DATE-J	BL=4	050	DNM=3-332	DS 7C	DISP-NM				
DNM=3-358	02	Y2K-GETDP-ANUM	BL=4	057	DNM=3-358	DS 7C	DISP-NM				
DNM=3-382	02	Y2K-GETDP-CLOCK	BL=4	05E	DNM=3-382	DS 8C	DISP-NM				
DNM=3-407	02	FILLER	BL=4	05E	DNM=3-407	DS 0CL8	GROUP	R			
DNM=3-424	03	Y2K-GETDP-CLOCK-HH	BL=4	05E	DNM=3-424	DS 2C	DISP-NM				
DNM=3-452	03	Y2K-GETDP-CLOCK-MM	BL=4	060	DNM=3-452	DS 2C	DISP-NM				
DNM=3-480	03	Y2K-GETDP-CLOCK-SS	BL=4	062	DNM=3-480	DS 2C	DISP-NM				
DNM=4-000	03	Y2K-GETDP-CLOCK-T	BL=4	064	DNM=4-000	DS 1C	DISP-NM				
DNM=4-027	03	Y2K-GETDP-CLOCK-H	BL=4	065	DNM=4-027	DS 1C	DISP-NM				
DNM=4-054	02	Y2K-GETDP-CLOCK12	BL=4	066	DNM=4-054	DS 11C	DISP				
DNM=4-081	01	Y2K-DFMT-PARAMETERS	BL=4	078	DNM=4-081	DS 0CL42	GROUP				
DNM=4-113	02	Y2K-DFMTP-DATEIN	BL=4	078	DNM=4-113	DS 8C	DISP				
DNM=4-142	02	Y2K-DFMTP-MAJOR	BL=4	080	DNM=4-142	DS 1C	DISP				
DNM=4-167	02	Y2K-DFMTP-MINOR	BL=4	081	DNM=4-167	DS 1C	DISP				
DNM=4-192	02	Y2K-DFMTP-RETURN-CODE	BL=4	082	DNM=4-192	DS 1C	DISP-NM				
DNM=4-223	02	Y2K-DFMTP-OUTPUT-SIZE	BL=4	083	DNM=4-223	DS 2C	DISP-NM				
DNM=4-257	02	Y2K-DFMTP-OUTPUT	BL=4	085	DNM=4-257	DS 29C	DISP				
DNM=4-283	01	UPDATES-COUNT	BL=4	0A8	DNM=4-283	DS 5C	DISP-NM				
DNM=4-306	01	ERROR-COUNT	BL=4	0B0	DNM=4-306	DS 5C	DISP-NM				
DNM=4-327	01	ADDITIONS-COUNT	BL=4	0B8	DNM=4-327	DS 5C	DISP-NM				
DNM=4-355	01	CHANGES-COUNT	BL=4	0C0	DNM=4-355	DS 5C	DISP-NM				
DNM=4-378	01	DELETIONS-COUNT	BL=4	0C8	DNM=4-378	DS 5C	DISP-NM				
DNM=4-403	01	FIELD-UPDATE-FLAGS	BL=4	0D0	DNM=4-403	DS 0CL12	GROUP				
DNM=4-434	02	FUF-FIRST-NAME	BL=4	0D0	DNM=4-434	DS 1C	DISP				
DNM=4-458	02	FUF-MINITIAL	BL=4	0D1	DNM=4-458	DS 1C	DISP				
DNM=4-480	02	FUF-LAST-NAME	BL=4	0D2	DNM=4-480	DS 1C	DISP				
DNM=5-000	02	FUF-STREET	BL=4	0D3	DNM=5-000	DS 1C	DISP				
DNM=5-023	02	FUF-CITY	BL=4	0D4	DNM=5-023	DS 1C	DISP				
DNM=5-041	02	FUF-STATE	BL=4	0D5	DNM=5-041	DS 1C	DISP				

DNM=5-060	02	FUF-ZIPCODE	BL=4	0D6	DNM=5-060	DS 1C	DISP	
DNM=5-081	02	FUF-BIRTH-DATE	BL=4	0D7	DNM=5-081	DS 1C	DISP	
DNM=5-105	02	FUF-ENROLL-DATE	BL=4	0D8	DNM=5-105	DS 1C	DISP	
DNM=5-130	02	FUF-CONTACT-DATE	BL=4	0D9	DNM=5-130	DS 1C	DISP	
DNM=5-156	02	FUF-GENDER	BL=4	0DA	DNM=5-156	DS 1C	DISP	
DNM=5-176	02	FUF-SORT-NAME	BL=4	0DB	DNM=5-176	DS 1C	DISP	
DNM=5-199	01	UPDATE-FIELDS	BL=4	0E0	DNM=5-199	DS 0CL150	GROUP	
DNM=5-225	02	SI-STUDENT-NUMBER	BL=4	0E0	DNM=5-225	DS 9C	DISP-NM	
DNM=5-252	02	SI-FIRST-NAME	BL=4	0E9	DNM=5-252	DS 11C	DISP	
DNM=5-275	02	SI-MINITIAL	BL=4	0F4	DNM=5-275	DS 1C	DISP	
DNM=5-299	02	SI-LAST-NAME	BL=4	0F5	DNM=5-299	DS 10C	DISP	
DNM=5-321	02	SI-STREET	BL=4	0FF	DNM=5-321	DS 35C	DISP	
DNM=5-340	02	SI-CITY	BL=4	122	DNM=5-340	DS 20C	DISP	
DNM=5-357	02	SI-STATE	BL=4	136	DNM=5-357	DS 2C	DISP	
DNM=5-375	02	SI-ZIPCODE	BL=4	138	DNM=5-375	DS 5C	DISP	
DNM=5-395	02	SI-BIRTH-DATE	BL=4	13D	DNM=5-395	DS 8C	DISP	
DNM=5-418	02	SI-ENROLL-DATE	BL=4	145	DNM=5-418	DS 8C	DISP	
DNM=5-442	02	SI-CONTACT-DATE	BL=4	14D	DNM=5-442	DS 8C	DISP	
DNM=5-467	02	SI-GENDER	BL=4	155	DNM=5-467	DS 1C	DISP	
DNM=5-486	02	SI-SORT-NAME	BL=4	156	DNM=5-486	DS 30C	DISP	
DNM=6-000	02	FILLER	BL=4	174	DNM=6-000	DS 2C	DISP	
DNM=6-014	01	PRIOR-FIELDS	BL=4	178	DNM=6-014	DS 0CL150	GROUP	
DNM=6-039	02	SI-STUDENT-NUMBER	BL=4	178	DNM=6-039	DS 9C	DISP-NM	
DNM=6-069	02	SI-FIRST-NAME	BL=4	181	DNM=6-069	DS 11C	DISP	
DNM=6-095	02	SI-MINITIAL	BL=4	18C	DNM=6-095	DS 1C	DISP	
DNM=6-119	02	SI-LAST-NAME	BL=4	18D	DNM=6-119	DS 10C	DISP	
DNM=6-144	02	SI-STREET	BL=4	197	DNM=6-144	DS 35C	DISP	
DNM=6-166	02	SI-CITY	BL=4	1BA	DNM=6-166	DS 20C	DISP	
DNM=6-186	02	SI-STATE	BL=4	1CE	DNM=6-186	DS 2C	DISP	
DNM=6-207	02	SI-ZIPCODE	BL=4	1D0	DNM=6-207	DS 5C	DISP	
DNM=6-230	02	SI-BIRTH-DATE	BL=4	1D5	DNM=6-230	DS 8C	DISP	
DNM=6-256	02	SI-ENROLL-DATE	BL=4	1DD	DNM=6-256	DS 8C	DISP	
DNM=6-283	02	SI-CONTACT-DATE	BL=4	1E5	DNM=6-283	DS 8C	DISP	
DNM=6-311	02	SI-GENDER	BL=4	1ED	DNM=6-311	DS 1C	DISP	
DNM=6-333	02	SI-SORT-NAME	BL=4	1EE	DNM=6-333	DS 30C	DISP	
DNM=6-358	02	FILLER	BL=4	20C	DNM=6-358	DS 2C	DISP	
DNM=6-372	01	SI-MASTER-RECORD	BL=4	210	DNM=6-372	DS 0CL150	GROUP	
DNM=6-404	02	SI-STUDENT-NUMBER	BL=4	210	DNM=6-404	DS 9C	DISP-NM	
DNM=6-434	02	SI-FIRST-NAME	BL=4	219	DNM=6-434	DS 11C	DISP	
DNM=6-460	02	SI-MINITIAL	BL=4	224	DNM=6-460	DS 1C	DISP	
DNM=6-484	02	SI-LAST-NAME	BL=4	225	DNM=6-484	DS 10C	DISP	
DNM=7-000	02	SI-STREET	BL=4	22F	DNM=7-000	DS 35C	DISP	
DNM=7-022	02	SI-CITY	BL=4	252	DNM=7-022	DS 20C	DISP	
DNM=7-042	02	SI-STATE	BL=4	266	DNM=7-042	DS 2C	DISP	
DNM=7-063	02	SI-ZIPCODE	BL=4	268	DNM=7-063	DS 5C	DISP	
DNM=7-086	02	SI-BIRTH-DATE	BL=4	26D	DNM=7-086	DS 8C	DISP	
DNM=7-112	02	SI-ENROLL-DATE	BL=4	275	DNM=7-112	DS 8C	DISP	
DNM=7-139	02	SI-CONTACT-DATE	BL=4	27D	DNM=7-139	DS 8C	DISP	
DNM=7-167	02	SI-GENDER	BL=4	285	DNM=7-167	DS 1C	DISP	
DNM=7-189	02	SI-SORT-NAME	BL=4	286	DNM=7-189	DS 30C	DISP	
DNM=7-214	02	FILLER	BL=4	2A4	DNM=7-214	DS 2C	DISP	
DNM=7-228	01	WS-SORT-NAME	BL=4	2A8	DNM=7-228	DS 0CL30	GROUP	
DNM=7-253		WSSN-IX			DNM=7-253		INDEX-NM	
DNM=7-267	02	WSSN-CH	BL=4	2A8	DNM=7-267	DS 1C	DISP	0
DNM=7-284	01	WS-SOURCE	BL=4	2C8	DNM=7-284	DS 0CL11	GROUP	
DNM=7-306		WSS-IX			DNM=7-306		INDEX-NM	
DNM=7-319	02	WSS-CH	BL=4	2C8	DNM=7-319	DS 1C	DISP	0

DNM=7-335	01	PRINT-SWITCH	BL=4	2D8	DNM=7-335	DS 1C	DISP-NM	
DNM=7-357	RD	UPDATE-REPORT			DNM=7-357			
DNM=7-382	01	CTL.LVL	BL=4	2E0	DNM=7-382	DS 2P	COMP-3	
DNM=7-399	01	TER.COD	BL=4	2E8	DNM=7-399	DS 1C	DISP	
DNM=7-416	01	FRS.GEN	BL=4	2F0	DNM=7-416	DS 1C	DISP	
DNM=7-433	01	LIN.SAV	BL=4	2F8	DNM=7-433	DS 2C	COMP	
DNM=7-450	01	FRS.GRP	BL=4	300	DNM=7-450	DS 1C	DISP	
DNM=7-467	01	ABS.LIN	BL=4	308	DNM=7-467	DS 2C	COMP	
DNM=7-484	01	LIN.NUM	BL=4	310	DNM=7-484	DS 2P	COMP-3	
DNM=8-000	01	NGP.SAV	BL=4	318	DNM=8-000	DS 3P	COMP-3	
DNM=8-017	01	LINE-COUNTER	BL=4	320	DNM=8-017	DS 3P	COMP-3	
DNM=8-039	01	PAGE-COUNTER	BL=4	328	DNM=8-039	DS 3P	COMP-3	
DNM=8-061	01	RPT.RCD	BL=4	330	DNM=8-061	DS 0CL133	GROUP	
DNM=8-081	02	CTL.CHR	BL=4	330	DNM=8-081	DS 1C	DISP	
DNM=8-098	02	RPT.LIN	BL=4	331	DNM=8-098	DS 132C	DISP	
DNM=8-115	02	E.0001	BL=4	331	DNM=8-115	DS 10C	DISP	R
DNM=8-131	02	E.0002	BL=4	33F	DNM=8-131	DS 3C	DISP	R
DNM=8-147	02	E.0003	BL=4	348	DNM=8-147	DS 7C	DISP	R
DNM=8-163	02	E.0004	BL=4	352	DNM=8-163	DS 6C	DISP	R
DNM=8-179	02	E.0005	BL=4	35B	DNM=8-179	DS 6C	DISP	R
DNM=8-198	02	E.0006	BL=4	364	DNM=8-198	DS 6C	DISP	R
DNM=8-214	02	E.0007	BL=4	377	DNM=8-214	DS 4C	DISP	R
DNM=8-230	02	E.0008	BL=4	37C	DNM=8-230	DS 5C	NM-EDIT	R
DNM=8-257	02	E.0009	BL=4	331	DNM=8-257	DS 11C	DISP	R
DNM=8-276	02	E.0010	BL=4	334	DNM=8-276	DS 9C	DISP	R
DNM=8-295	02	E.0011	BL=4	33E	DNM=8-295	DS 1C	DISP	R
DNM=8-311	02	E.0012	BL=4	340	DNM=8-311	DS 7C	DISP	R
DNM=8-327	02	E.0013	BL=4	358	DNM=8-327	DS 40C	DISP	R
DNM=8-343	02	E.0014	BL=4	334	DNM=8-343	DS 11C	DISP	R
DNM=8-359	02	E.0015	BL=4	340	DNM=8-359	DS 1C	DISP	R
DNM=8-375	02	E.0016	BL=4	34C	DNM=8-375	DS 10C	DISP	R
DNM=8-391	02	E.0017	BL=4	35C	DNM=8-391	DS 1C	DISP	R
DNM=8-410	02	E.0018	BL=4	35E	DNM=8-410	DS 11C	DISP	R
DNM=8-426	02	E.0019	BL=4	36A	DNM=8-426	DS 1C	DISP	R
DNM=8-442	02	E.0020	BL=4	36C	DNM=8-442	DS 1C	DISP	R
DNM=8-458	02	E.0021	BL=4	36E	DNM=8-458	DS 1C	DISP	R
DNM=8-474	02	E.0022	BL=4	370	DNM=8-474	DS 10C	DISP	R
DNM=8-490	02	E.0023	BL=4	334	DNM=8-490	DS 35C	DISP	R
DNM=9-000	02	E.0024	BL=4	35C	DNM=9-000	DS 1C	DISP	R
DNM=9-016	02	E.0025	BL=4	35E	DNM=9-016	DS 35C	DISP	R
DNM=9-035	02	E.0026	BL=4	334	DNM=9-035	DS 20C	DISP	R
DNM=9-051	02	E.0027	BL=4	349	DNM=9-051	DS 2C	DISP	R
DNM=9-067	02	E.0028	BL=4	34C	DNM=9-067	DS 5C	DISP	R
DNM=9-083	02	E.0029	BL=4	35C	DNM=9-083	DS 1C	DISP	R
DNM=9-102	02	E.0030	BL=4	35E	DNM=9-102	DS 20C	DISP	R
DNM=9-118	02	E.0031	BL=4	373	DNM=9-118	DS 1C	DISP	R
DNM=9-134	02	E.0032	BL=4	375	DNM=9-134	DS 2C	DISP	R
DNM=9-150	02	E.0033	BL=4	378	DNM=9-150	DS 1C	DISP	R
DNM=9-166	02	E.0034	BL=4	37A	DNM=9-166	DS 5C	DISP	R
DNM=9-182	02	E.0035	BL=4	334	DNM=9-182	DS 8C	DISP	R
DNM=9-198	02	E.0036	BL=4	33D	DNM=9-198	DS 8C	DISP	R
DNM=9-214	02	E.0037	BL=4	346	DNM=9-214	DS 8C	DISP	R
DNM=9-230	02	E.0038	BL=4	34F	DNM=9-230	DS 1C	DISP	R
DNM=9-246	02	E.0039	BL=4	35C	DNM=9-246	DS 1C	DISP	R
DNM=9-265	02	E.0040	BL=4	35E	DNM=9-265	DS 8C	DISP	R
DNM=9-281	02	E.0041	BL=4	367	DNM=9-281	DS 1C	DISP	R
DNM=9-297	02	E.0042	BL=4	369	DNM=9-297	DS 8C	DISP	R

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MEMORY MAP

TGT 00830

SAVE AREA 00830

SWITCH 00878

TALLY 0087C

SORT SAVE 00880

ENTRY-SAVE 00884

SORT CORE SIZE 00888

RET CODE 0088C

SORT RET 0088E

WORKING CELLS 00890

SORT FILE SIZE 009C0

SORT MODE SIZE 009C4

PGT-VN TBL 009C8

TGT-VN TBL 009CC

RESERVED 009D0

LENGTH OF VN TBL 009D4

LABEL RET 009D6

RESERVED 009D7

DBG R14SAVE 009D8

COBOL INDICATOR 009DC

A(INIT1) 009E0

DEBUG TABLE PTR 009E4

SUBCOM PTR 009E8

SORT-MESSAGE 009EC

SYSOUT DDNAME 009F4

RESERVED 009F5

COBOL ID 009F6

COMPILED POINTER 009F8

COUNT TABLE ADDRESS 009FC

RESERVED 00A00

DBG R11SAVE 00A08

COUNT CHAIN ADDRESS 00A0C

PRBL1 CELL PTR 00A10

RESERVED 00A14

TA LENGTH 00A19

RESERVED 00A1C

PCS LIT PTR 00A24

DEBUGGING 00A28

CD FOR INITIAL INPUT 00A2C

OVERFLOW CELLS 00A30

BL CELLS 00A30

DECBADR CELLS 00A40

FIB CELLS 00A40

TEMP STORAGE 00A48

TEMP STORAGE-2 00A50

TEMP STORAGE-3 00A58

TEMP STORAGE-4 00A58

BLL CELLS 00A58

VLC CELLS 00A60

SBL CELLS 00A60

INDEX CELLS 00A60

SUBADR CELLS 00A68

ONCTL CELLS 00A70

17	UPDT01N	10.09.29	JUL 26, 2025
	PFMCTL CELLS	00A70	
	PFMSAV CELLS	00A70	
	VN CELLS	00AA4	
	SAVE AREA =2	00AFC	
	SAVE AREA =3	00AFC	
	XSASW CELLS	00B08	
	XSA CELLS	00B08	
	PARAM CELLS	00B08	
	RPTSAV AREA	00B2C	
	CHECKPT CTR	00B48	
LITERAL POOL (HEX)			
00E20 (LIT+0)	1C2C0002	4020206B	20212000
00E38 (LIT+24)	001C0F5C	4C00004C	A0000000
00E50 (LIT+48)	A2A38599	E4978481	A385D985
00E68 (LIT+72)	9984A240	99858184	40869996
00E80 (LIT+96)	969984A2	40998591	8583A385
00E98 (LIT+120)	A2D98583	969984A2	40818484
00EB0 (LIT+144)	E4D98583	969984A2	40838881
00EC8 (LIT+168)	E2E3E4D9	85839699	84A24084
00EE0 (LIT+192)	E2E3D4C1	E2E3E400	00000110
00EF8 (LIT+216)	14000000	C1848440	4040C388
00F10 (LIT+240)	A5819389	84E49784	81A38540
00F28 (LIT+264)	A5819389	84404DC1	61C361C4
00F40 (LIT+288)	40818484	40869699	4085A789
00F58 (LIT+312)	85994099	85839699	84409596
00F70 (LIT+336)	C9C40096	C995A581	93898440
00F88 (LIT+360)	8440A699	89A38540	4040D985
00FA0 (LIT+384)	A4838385	A2A286A4	9393A8C9
00FB8 (LIT+408)	95409985	83969984	409985A6
00FD0 (LIT+432)	88819587	858440A2	A4838385
00FE8 (LIT+456)	89844092	85A84096	95409985
01000 (LIT+480)	85839699	84408485	9385A385
01018 (LIT+504)	93A8		
	PGT	00B50	
	OVERFLOW CELLS	00B50	
	VIRTUAL CELLS	00B50	
	PROCEDURE NAME CELLS	00B88	
	GENERATED NAME CELLS	00BCC	
	DCB ADDRESS CELLS	00DC0	
	VNI CELLS	00DC8	
	LITERALS	00E20	
	DISPLAY LITERALS	0101A	
REGISTER ASSIGNMENT			
REG 6	BL =4		
REG 7	BL =1		
REG 8	BL =2		
REG 9	BL =3		
WORKING-STORAGE STARTS AT LOCATION 000A0 FOR A LENGTH OF 003C8.			

F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED LIST,MAP
DEFAULT OPTION(S) USED - SIZE=(231424,55296)
IEW0000 NAME UPDT01N(R)

MODULE MAP

CONTROL SECTION				ENTRY							
NAME	ORIGIN	LENGTH		NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
UPDT01N	00	2354									
ILBOEXT *	2358	68									
ILBOQIO *	23C0	7F4		ILBOEXT0	235A	ILBOEXT1	235E				
				ILBOQIO0	23C2	ILBOQIO1	23C6				
ILBOSPA *	2BB8	884									
				ILBOSPA0	2BBA	ILBOSPA1	2BBE	ILBOSPA2	2BC2		
ILBOSRV *	3440	4D4									
				ILBOSRV0	344A	ILBOSR5	344A	ILBOSR3	344A	ILBOSR	344A
				ILBOSRV1	344E	ILBOSTP1	344E	ILBOST	3452	ILBOSTP0	3452
ILBOVOC *	3918	2392									
				ILBOVOC0	391A	ILBOVOC1	391E				
Y2KDFMT *	5CB0	60A									
Y2KDOWN *	62C0	FB									
Y2KGTOA *	63C0	2DF									
Y2KGETD *	66A0	201									
Y2KGTOJ *	68A8	137									
Y2KJTOG *	69E0	1CD									
Y2KATOG *	6BB0	27A									
ILBOBEG *	6E30	1DC									
				ILBOBEG0	6E32						
ILBOCHN *	7010	1DC									
				ILBOCHN0	7012						
ILBOCKP *	71F0	7E									
				ILBOCKP0	71F2	ILBOCKP1	71F6				
ILBOCMM *	7270	530									
				ILBOCMM0	7272	ILBOCMM1	7276				
ILBOCOM0*	77A0	173									
				ILBOCOM	77A0						
ILBOCVB *	7918	428									
				ILBOCVB0	791A	ILBOCVB1	791E				
ILBOINS *	7D40	6DA									
				ILBOINS0	7D42						
ILBOINT *	8420	124									
				ILBOINT0	8422						
ILBOMSG *	8548	100									
				ILBOMSG0	854A						
ILBOVIO *	8648	1F28									
				ILBOVIO0	864A						
ILBOACS *	A570	10A									
				ILBOACS0	A572	ILBOACS1	A576				

ENTRY ADDRESS 00

TOTAL LENGTH A680
***UPDT01N DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET
AUTHORIZATION CODE IS 0.