

J E S 2 J O B L O G

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17.18.20 JOB 125 IEF677I WARNING MESSAGE(S) FOR JOB VSTESTK5 ISSUED
17.18.20 JOB 125 $HASP373 VSTESTK5 STARTED - INIT 1 - CLASS A - SYS HMVS
17.18.20 JOB 125 IEF403I VSTESTK5 - STARTED - TIME=17.18.20
17.18.20 JOB 125 IEC130I SYSPUNCH DD STATEMENT MISSING
17.18.20 JOB 125 IEC130I SYSPUNCH DD STATEMENT MISSING
17.18.20 JOB 125 CCI001C COB      /IKFCBL00/00:00:00.07/      /00000/1      /VSTESTK5
17.18.20 JOB 125 CCI001C LKED    /IEWL      /00:00:00.02/      /00000/1      /VSTESTK5
17.18.20 JOB 125 CCI001C GO      /PGM=*.DD/00:00:00.01/  /00000/1      /VSTESTK5
17.18.20 JOB 125 IEF404I VSTESTK5 - ENDED - TIME=17.18.20
17.18.20 JOB 125 $HASP395 VSTESTK5 ENDED
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----- JES2 JOB STATISTICS -----

07 JUL 20 JOB EXECUTION DATE

28 CARDS READ

697 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

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1 //VSTESTK5 JOB 1,'VSAMIO IVP KSDSRAND ',CLASS=A,MSGCLASS=X, JOB 125
// REGION=4096K
***
*****
*** COBOL MODULE: KSDSRAND VSAM DATASET: VSTESTKS.CLUSTER (KSDS)
***
*** RANDOMLY ACCESS DATASET AND ADD, UPDATE, DELETE RECORDS
*****
***
2 //COB EXEC COBUCLG,REGION.GO=1024K,CPARM1='LOAD,LIB,DMAP'
3 XXCOBUCLG PROC CPARM1='LOAD,SUPMAP', 100010000
XX CPARM2='SIZE=2048K,BUF=1024K' 00020000
4 XXCOB EXEC PGM=IKFCBL00,REGION=4096K, 00040001
XX PARM='&CPARM1,&CPARM2' 00050001
5 XXSTEPLIB DD DSN=SYSC.LINKLIB,DISP=SHR 00051001
6 XXSYSPRINT DD SYSOUT=* 00060000
7 XXSYSUT1 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00070000
8 XXSYSUT2 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00080000
9 XXSYSUT3 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00090000
10 XXSYSUT4 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00100000
11 XXSYSLIN DD DSN=&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA, 00110000
XX SPACE=(80,(500,100)) 00120000
12 //COB.SYSLIB DD DSN=SYSC.VSAMIO.SOURCE,DISP=SHR
13 //COB.SYSIN DD DSN=SYSC.VSAMIO.SOURCE(KSDSRAND),DISP=SHR
14 XXLKED EXEC PGM=IEWL,PARM='LIST,XREF,LET',COND=(5,LT,COB),REGION=96K 00130000
15 XXSYSLIN DD DSN=&LOADSET,DISP=(OLD,DELETE) 00140000
16 XX DD DDNAME=SYSIN 00150000
17 XXSYSLMOD DD DSN=&GODATA(RUN),DISP=(NEW,PASS),UNIT=SYSDA, 00160000
XX SPACE=(1024,(50,20,1)) 00170000
18 //LKED.SYSLIB DD
X/SYSLIB DD DSN=SYSC.COBLIB,DISP=SHR 00180000
19 // DD DSN=SYSC.LINKLIB,DISP=SHR
20 XXSYSUT1 DD UNIT=SYSDA,SPACE=(1024,(50,20)) 00190000
21 XXSYSPRINT DD SYSOUT=* 00200000
22 XXGO EXEC PGM=*.LKED.SYSLMOD,COND=((5,LT,COB),(5,LT,LKED)) 00210000
23 //GO.SYSOUT DD SYSOUT=*
24 //GO.SYSUDUMP DD SYSOUT=*
25 //GO.KSDSF01 DD DSN=PUB001.VSTESTKS.CLUSTER,DISP=OLD
26 //GO.SYSIN DD *

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      VV      VV  SSSSSSSSSS  TTTTTTTTTTTT  EEEEEEEEEEEE  SSSSSSSSSS  TTTTTTTTTTTT  KK      KK  55555555555
      VV      VV  SSSSSSSSSS  TTTTTTTTTTTT  EEEEEEEEEEEE  SSSSSSSSSS  TTTTTTTTTTTT  KK      KK  55555555555
      VV      VV  SS      SS      TT      EE      SS      SS      TT      KK      KK      55
      VV      VV  SS      TT      EE      SS      SS      TT      KK      KK      55
      VV      VV  SSS      TT      EE      SSS      TT      KK      KK      55
      VV      VV  SSSSSSSSSS  TT      EEEEEEEE  SSSSSSSSSS  TT      KKKKKKKK  555555555
      VV      VV  SSSSSSSSSS  TT      EEEEEEEE  SSSSSSSSSS  TT      KKKKKKKK  555555555
      VV      VV      SSS      TT      EE      SSS      TT      KK      KK      55
      VV      VV      SS      TT      EE      SS      TT      KK      KK      55
      VV      VV      SS      TT      EE      SS      SS      TT      KK      KK      55
      VVV      SSSSSSSSSSSS  TT      EEEEEEEEEEEE  SSSSSSSSSSSS  TT      KK      KK  55555555555
      VV      SSSSSSSSSS  TT      EEEEEEEEEEEE  SSSSSSSSSS  TT      KK      KK  55555555555

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      JJJJJJJJJJ      11      2222222222  55555555555555      MM      MM
      JJJJJJJJJJ      111     222222222222  55555555555555      MMM     MMM
      JJ      1111     22      22  55      MMMM     MMMM
      JJ      11      22  55      MM  MM  MM  MM
      JJ      11      22  55      MM  MMMM  MM
      JJ      11      22  5555555555  MM      MM
      JJ      11      22  5555555555  MM      MM
      JJ      11      22      55      MM      MM
      JJ      JJ      11      22      55      MM      MM
      JJ      JJ      11      22      55      MM      MM
      JJJJJJJJ      1111111111  222222222222  55555555555555  MM      MM
      JJJJJJ      1111111111  222222222222  55555555555555  MM      MM

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****M  END  JOB  125  VSTESTK5  VSAMIO  IVP  KSDSRAND  ROOM      5.19.55  PM 07  JUL 20  PRINTER2  SYS  HMVS  JOB  125  END  M****
****M  END  JOB  125  VSTESTK5  VSAMIO  IVP  KSDSRAND  ROOM      5.19.55  PM 07  JUL 20  PRINTER2  SYS  HMVS  JOB  125  END  M****
****M  END  JOB  125  VSTESTK5  VSAMIO  IVP  KSDSRAND  ROOM      5.19.55  PM 07  JUL 20  PRINTER2  SYS  HMVS  JOB  125  END  M****
****M  END  JOB  125  VSTESTK5  VSAMIO  IVP  KSDSRAND  ROOM      5.19.55  PM 07  JUL 20  PRINTER2  SYS  HMVS  JOB  125  END  M****

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****M	START	JOB	125	VSTESTK5	VSAMIO	IVP	KSDSRAND	ROOM	5.19.55	PM	07	JUL	20	PRINTER2	SYS	HMVS	JOB	125	START	M****
****M	START	JOB	125	VSTESTK5	VSAMIO	IVP	KSDSRAND	ROOM	5.19.55	PM	07	JUL	20	PRINTER2	SYS	HMVS	JOB	125	START	M****
****M	START	JOB	125	VSTESTK5	VSAMIO	IVP	KSDSRAND	ROOM	5.19.55	PM	07	JUL	20	PRINTER2	SYS	HMVS	JOB	125	START	M****
****M	START	JOB	125	VSTESTK5	VSAMIO	IVP	KSDSRAND	ROOM	5.19.55	PM	07	JUL	20	PRINTER2	SYS	HMVS	JOB	125	START	M****

STMT NO. MESSAGE

4 IEF653I SUBSTITUTION JCL - PARM='LOAD,LIB,DMAP,SIZE=2048K,BUF=1024K'
22 IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED

IEF236I ALLOC. FOR VSTESTK5 COB COB
IEF237I 253 ALLOCATED TO STEPLIB
IEF237I 253 ALLOCATED TO SYS00209
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 380 ALLOCATED TO SYSUT1
IEF237I 251 ALLOCATED TO SYSUT2
IEF237I 370 ALLOCATED TO SYSUT3
IEF237I 252 ALLOCATED TO SYSUT4
IEF237I 252 ALLOCATED TO SYSLIN
IEF237I 253 ALLOCATED TO SYSLIB
IEF237I 253 ALLOCATED TO SYSIN

IEC130I SYSPUNCH DD STATEMENT MISSING
IEC130I SYSPUNCH DD STATEMENT MISSING

IEF142I VSTESTK5 COB COB - STEP WAS EXECUTED - COND CODE 0000

IEF285I SYSC.LINKLIB KEPT *-----0
IEF285I VOL SER NOS= SYSCP. KEPT *-----0
IEF285I UCSYSCP. KEPT *-----0
IEF285I VOL SER NOS= SYSCP. SYSOUT
IEF285I JES2.JOB00125.S00102 DELETED *-----6
IEF285I SYS20189.T171820.RA00.VSTESTK5.R0000001 DELETED *-----6
IEF285I VOL SER NOS= MVS380. DELETED *-----6
IEF285I SYS20189.T171820.RA00.VSTESTK5.R0000002 DELETED *-----9
IEF285I VOL SER NOS= WORK00. DELETED *-----9
IEF285I SYS20189.T171820.RA00.VSTESTK5.R0000003 DELETED *-----8
IEF285I VOL SER NOS= MVS370. DELETED *-----8
IEF285I SYS20189.T171820.RA00.VSTESTK5.R0000004 DELETED *-----8
IEF285I VOL SER NOS= WORK01. PASSED *-----99
IEF285I SYS20189.T171820.RA00.VSTESTK5.LOADSET PASSED *-----99
IEF285I VOL SER NOS= WORK01. KEPT *-----6
IEF285I SYSC.VSAMIO.SOURCE KEPT *-----6
IEF285I VOL SER NOS= SYSCP. KEPT *-----4
IEF285I SYSC.VSAMIO.SOURCE KEPT *-----4
IEF285I VOL SER NOS= SYSCP.

IEF373I STEP /COB / START 20189.1718

IEF374I STEP /COB / STOP 20189.1718 CPU 0MIN 00.07SEC SRB 0MIN 00.02SEC VIRT 2076K SYS 216K

**** JOBCARD READ 20189 17:18:20 ****

* PRC-CCI 370/148 VS2 R03.8 HMVS STEP STATISTICS *
* STEP NAME COB USER CORE 2076K TAPES USED/IO 000/000000000 START TIME 17:18:20 TCB TIME 00:00:00.07 *
* PGM NAME IKFCBL00 SYSTEM CORE 216K DISKS USED/IO 005/000000138 STOP TIME 17:18:20 SRB TIME 00:00:00.02 *
* COND CODE 0000 PRIVATE AREA SZ 4096K ALLOC TIME 17:18:20 ELAPSED TIME PGM LOAD 17:18:20 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004 816 00:00:00.11 0 0 0 0 0 0 *

* CPU \$ (0.02) + EXCP \$ (0.18) + MEMORY \$ (0.41) = TOTAL \$ (0.61) *

IEF236I ALLOC. FOR VSTESTK5 LKED COB
IEF237I 252 ALLOCATED TO SYSLIN
IEF237I DMY ALLOCATED TO
IEF237I 380 ALLOCATED TO SYSLMOD
IEF237I 253 ALLOCATED TO SYSLIB
IEF237I 253 ALLOCATED TO
IEF237I 253 ALLOCATED TO SYS00211
IEF237I 370 ALLOCATED TO SYSUT1
IEF237I JES2 ALLOCATED TO SYSPRINT

IEF142I VSTESTK5 LKED COB - STEP WAS EXECUTED - COND CODE 0000

IEF285I SYS20189.T171820.RA00.VSTESTK5.LOADSET DELETED *-----100
IEF285I VOL SER NOS= WORK01.

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IEF285I  SYS20189.T171820.RA000.VSTESTK5.GODATA      PASSED      *-----12
IEF285I  VOL SER NOS= MVS380.
IEF285I  SYSC.COBLIB                                KEPT        *-----27
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  SYSC.LINKLIB                                KEPT        *-----0
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  UCSYSCPK                                    KEPT        *-----0
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  SYS20189.T171820.RA000.VSTESTK5.R0000005  DELETED     *-----0
IEF285I  VOL SER NOS= MVS370.
IEF285I  JES2.JOB00125.SO0103                       SYSOUT
IEF373I  STEP /LKED      / START 20189.1718
IEF374I  STEP /LKED      / STOP  20189.1718 CPU      OMIN 00.02SEC SRB      OMIN 00.00SEC VIRT    260K SYS    208K
*****
*
*          PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS
* STEP NAME  LKED      USER CORE      260K  TAPES USED/IO 000/000000000  START  TIME  17:18:20  TCB TIME  00:00:00.02 *
* PGM  NAME  IEWL      SYSTEM CORE      208K  DISKS USED/IO 004/000000139  STOP   TIME  17:18:20  SRB TIME  00:00:00.00 *
* COND CODE  0000      PRIVATE AREA SZ  4096K  ALLOC TIME  17:18:20  ELAPSED TIME  PGM LOAD  17:18:20 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*  004      724      00:00:00.03      0      0      0      0      0      0      0      0      0      0 *
*****
* CPU $ ( 0.00) + EXCP $ ( 0.18) + MEMORY $ ( 0.01) = TOTAL $ ( 0.19)
*****
IEF236I  ALLOC. FOR VSTESTK5 GO COB
IEF237I  380  ALLOCATED TO PGM=*.DD
IEF237I  JES2 ALLOCATED TO SYSOUT
IEF237I  JES2 ALLOCATED TO SYSUDUMP
IEF237I  190  ALLOCATED TO KSDSF01
IEF237I  190  ALLOCATED TO SYS00213
IEF237I  JES2 ALLOCATED TO SYSIN
IEF142I  VSTESTK5 GO COB - STEP WAS EXECUTED - COND CODE 0000
IEF285I  SYS20189.T171820.RA000.VSTESTK5.GODATA      KEPT        *-----0
IEF285I  VOL SER NOS= MVS380.
IEF285I  JES2.JOB00125.SO0104                       SYSOUT
IEF285I  JES2.JOB00125.SO0105                       SYSOUT
IEF285I  PUB001.VSTESTKS.CLUSTER                    KEPT        *-----12
IEF285I  VOL SER NOS= PUB001.
IEF285I  UCPUB001                                    KEPT        *-----0
IEF285I  VOL SER NOS= PUB001.
IEF285I  JES2.JOB00125.SI0101                       SYSIN
IEF373I  STEP /GO      / START 20189.1718
IEF374I  STEP /GO      / STOP  20189.1718 CPU      OMIN 00.01SEC SRB      OMIN 00.00SEC VIRT    72K SYS    220K
*****
*
*          PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS
* STEP NAME  GO      USER CORE      72K  TAPES USED/IO 000/000000000  START  TIME  17:18:20  TCB TIME  00:00:00.01 *
* PGM  NAME  PGM=*.DD  SYSTEM CORE      220K  DISKS USED/IO 002/000000012  STOP   TIME  17:18:20  SRB TIME  00:00:00.00 *
* COND CODE  0000      PRIVATE AREA SZ  4096K  ALLOC TIME  17:18:20  ELAPSED TIME  PGM LOAD  17:18:20 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*  004      90      00:00:00.02      0      0      0      0      0      0      0      0      0      0 *
*****
* CPU $ ( 0.00) + EXCP $ ( 0.01) + MEMORY $ ( 0.00) = TOTAL $ ( 0.01)
*****
IEF237I  380  ALLOCATED TO SYS00001
IEF285I  SYS20189.T171820.RA000.VSTESTK5.R0000001  KEPT        *-----0
IEF285I  VOL SER NOS= MVS380.
IEF285I  SYS20189.T171820.RA000.VSTESTK5.GODATA      DELETED
IEF285I  VOL SER NOS= MVS380.
IEF375I  JOB /VSTESTK5/ START 20189.1718
IEF376I  JOB /VSTESTK5/ STOP  20189.1718 CPU      OMIN 00.10SEC SRB      OMIN 00.02SEC

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00001 000100 IDENTIFICATION DIVISION.                23050000
00002 000200 PROGRAM-ID. KSDSRAND.                  23060000
00003 000300 AUTHOR. JAY MOSELEY.                   23070000
00004 000400 DATE-WRITTEN. NOVEMBER, 2001.          23080000
00005 000500 DATE-COMPILED. JUL 7,1920.            23090000
00006 001200 ENVIRONMENT DIVISION.                  23160000
00007 001300 CONFIGURATION SECTION.                 23170000
00008 001400 SOURCE-COMPUTER. IBM-370.              23180000
00009 001500 OBJECT-COMPUTER. IBM-370.              23190000
00010 001600                                         23200000
00011 001700 INPUT-OUTPUT SECTION.                  23210000
00012 001800 FILE-CONTROL.                           23220000
00013 001900                                         23230000
00014 002000         SELECT RECORD-IMAGES            23240000
00015 002100         ASSIGN TO UR-2540R-S-SYSIN.     23250000
00016 002200                                         23260000
00017 002300 DATA DIVISION.                         23270000
00018 002400 FILE SECTION.                           23280000
00019 002500                                         23290000
00020 002600 FD RECORD-IMAGES                        23300000
00021 002700     LABEL RECORDS ARE OMITTED           23310000
00022 002800     BLOCK CONTAINS 0 RECORDS            23320000
00023 002900     DATA RECORD IS RECORD-IMAGE.       23330000
00024 003000                                         23340000
00025 003100 01 RECORD-IMAGE.                        23350000
00026 003200     02 RI-ACTION                        PIC X(01).  23360000
00027 003300         88 ACTION-IS-ADD                VALUE 'A'.  23370000
00028 003400         88 ACTION-IS-CHANGE             VALUE 'C'.  23380000
00029 003500         88 ACTION-IS-DELETE             VALUE 'D'.  23390000
00030 003600         88 ACTION-IS-VALID              VALUE 'A', 'C', 'D'. 23400000
00031 003700     02 FILLER                            PIC X(01).  23410000
00032 003800     02 RI-IMAGE                          PIC X(78).  23420000
00033 003900                                         23430000
00034 004000 WORKING-STORAGE SECTION.                 23440000
00035 004100 77 END-OF-FILE-SWITCH                   PIC X(1)  VALUE 'N'.  23450000
00036 004200     88 END-OF-FILE                       VALUE 'Y'.  23460000
00037 004300                                         23470000
00038 004400 77 RECORD-COUNTER                       PIC S9(8)  VALUE +0.  23480000
00039 004500 77 COUNTER-EDIT                         PIC ZZ,ZZZ,ZZ9. 23490000
00040 004600                                         23500000
00041 004700 01 VSIO-PARAMETER-VALUES                 COPY VSAMIO. 23510000
00042 C 000100* ***** *06980000
00043 C 000200* *06990000
00044 C 000300*      VV  VV  SSSSS      A      M      M  IIII      OOOOO *07000000
00045 C 000400*      VV  VV  SS   SS   AAA   MM   MM   II   OO   OO *07010000
00046 C 000500*      VV  VV  SS           AA AA   MMM MMM  II   OO   OO *07020000
00047 C 000600*      VV  VV  SSSSS  AA   AA  MMMMMMMM  II   OO   OO *07030000
00048 C 000700*      VV  VV           SS AA   AA  MM M MM   II   OO   OO *07040000
00049 C 000800*      VV VV  SS   SS  AAAAAAA  MM   MM   II   OO   OO *07050000
00050 C 000900*      VVV  SS   SS  AA   AA  MM   MM   II   OO   OO *07060000
00051 C 001000*      V      SSSSS  AA   AA  MM   MM   IIII  OOOOO *07070000
00052 C 001100* *07080000
00053 C 001200* ***** *07090000
00054 C 001300* *07100000

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00055 C 001400* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *07110000
00056 C 001500* ACCESS ROUTINE. *07120000
00057 C 001600* *07130000
00058 C 001700* THE VSIO-PARAMETER-VALUES SUPPLY THE VALUES USED TO MOVE INTO *07140000
00059 C 001800* PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET *07150000
00060 C 001900* AND TO PROVIDE COMMANDS TO DRIVE THE ROUTINE. *07160000
00061 C 002000* ***** *07170000
00062 C 002100 01 VSIO-PARAMETER-VALUES. 07180000
00063 C 002200 02 VSIO-OPEN PIC X(08) VALUE 'OPEN ' . 07190000
00064 C 002300 02 VSIO-CLOSE PIC X(08) VALUE 'CLOSE ' . 07200000
00065 C 002400 02 VSIO-READ PIC X(08) VALUE 'READ ' . 07210000
00066 C 002500 02 VSIO-WRITE PIC X(08) VALUE 'WRITE ' . 07220000
00067 C 002600 02 VSIO-REWRITE PIC X(08) VALUE 'REWRITE ' . 07230000
00068 C 002700 02 VSIO-DELETE PIC X(08) VALUE 'DELETE ' . 07240000
00069 C 002800 02 VSIO-START-KEY-EQUAL PIC X(08) VALUE 'STARTEQ ' . 07250000
00070 C 002900 02 VSIO-START-KEY-NOTLESS PIC X(08) VALUE 'STARTGE ' . 07260000
00071 C 003000 02 VSIO-KSDS PIC X(04) VALUE 'KSDS' . 07270000
00072 C 003100 02 VSIO-ESDS PIC X(04) VALUE 'ESDS' . 07280000
00073 C 003200 02 VSIO-RRDS PIC X(04) VALUE 'RRDS' . 07290000
00074 C 003300 02 VSIO-SEQUENTIAL PIC X(10) VALUE 'SEQUENTIAL' . 07300000
00075 C 003400 02 VSIO-DIRECT PIC X(10) VALUE 'DIRECT ' . 07310000
00076 C 003500 02 VSIO-DYNAMIC PIC X(10) VALUE 'DYNAMIC ' . 07320000
00077 C 003600 02 VSIO-INPUT PIC X(06) VALUE 'INPUT ' . 07330000
00078 C 003700 02 VSIO-OUTPUT PIC X(06) VALUE 'OUTPUT' . 07340000
00079 C 003800 02 VSIO-INPUT-OUTPUT PIC X(06) VALUE 'UPDATE' . 07350000
00080 C 003900 07360000
00081 C 004000* ***** *07370000
00082 C 004100* THE VSIO-PARAMETER-BLOCK IS THE COMMUNICATION INTERFACE TO *07380000
00083 C 004200* THE ROUTINE. *07390000
00084 C 004300* ***** *07400000
00085 C 004400 01 VSIO-PARAMETER-BLOCK. 07410000
00086 C 004500 02 VSIO-COMMAND PIC X(08). 07420000
00087 C 004600 02 VSIO-RETURN-CODE PIC S9(04) COMP. 07430000
00088 C 004700 88 VSIO-SUCCESS VALUE +0. 07440000
00089 C 004800 88 VSIO-LOGIC-ERROR VALUE +8. 07450000
00090 C 004900 88 VSIO-END-OF-FILE VALUE +9999. 07460000
00091 C 005000 88 VSIO-PARAMETER-ERROR VALUE +20 THRU +28. 07470000
00092 C 005100 88 VSIO-COMMAND-UNKNOWN VALUE +20. 07480000
00093 C 005200 88 VSIO-DATASET-ALREADY-OPEN VALUE +21. 07490000
00094 C 005300 88 VSIO-DATASET-NOT-OPEN VALUE +22. 07500000
00095 C 005400 88 VSIO-ORGANIZATION-KEYWORD VALUE +23. 07510000
00096 C 005500 88 VSIO-ACCESS-KEYWORD VALUE +24. 07520000
00097 C 005600 88 VSIO-ACCESS-UNSUPPORTED VALUE +25. 07530000
00098 C 005700 88 VSIO-MODE-KEYWORD VALUE +26. 07540000
00099 C 005800 88 VSIO-MODE-UNSUPPORTED VALUE +27. 07550000
00100 C 005900 88 VSIO-DDNAME-BLANK VALUE +28. 07560000
00101 C 006000 02 VSIO-VSAM-RETURN-CODE PIC S9(04) COMP. 07570000
00102 C 006100 02 VSIO-VSAM-FUNCTION-CODE PIC S9(04) COMP. 07580000
00103 C 006200 02 VSIO-VSAM-FEEDBACK-CODE PIC S9(04) COMP. 07590000
00104 C 006300 88 VSIO-DUPLICATE-RECORD VALUE +8. 07600000
00105 C 006400 88 VSIO-SEQUENCE-ERROR VALUE +12. 07610000
00106 C 006500 88 VSIO-RECORD-NOT-FOUND VALUE +16. 07620000
00107 C 006600 88 VSIO-NO-MORE-SPACE VALUE +28. 07630000
00108 C 006700 88 VSIO-READ-WITHOUT-START VALUE +88. 07640000
00109 C 006800* ***** *07650000
00110 C 006900* END OF VSAMIO COPY BOOK *07660000
00111 C 007000* ***** *07670000

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00112 004800 01 KSDSF01 COPY VSAMIOFB. 23520000
00113 C 000100* ***** *00000100
00114 C 000200* *00000200
00115 C 000300* VV VV SSSSS A M M IIII OOOO FFFFFFFF BBBB *00000300
00116 C 000400* VV VV SS SS AAA MM MM II OO OO FF BB BB *00000400
00117 C 000500* VV VV SS AA AA MMM MMM II OO OO FF BB BB *00000500
00118 C 000600* VV VV SSSSS AA AA MMMMMM II OO OO FFFFF BBBB *00000600
00119 C 000700* VV VV SS AA AA MM M MM II OO OO FF BB BB *00000700
00120 C 000800* VV VV SS SS AAAAAA MM MM II OO OO FF BB BB *00000800
00121 C 000900* VVV SS SS AA AA MM MM II OO OO FF BB BB *00000900
00122 C 001000* V SSSSS AA AA MM MM IIII OOOO FF BBBB *00001000
00123 C 001100* *00001100
00124 C 001200* ***** *00001200
00125 C 001300* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *00001300
00126 C 001400* ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS *00001400
00127 C 001500* FOR A SINGLE VSAM DATASET. *00001500
00128 C 001600* *00001600
00129 C 001700* WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE *00001700
00130 C 001800* VARIABLE LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE *00001800
00131 C 001900* RELATIVE RECORD DATASETS) THESE DATA NAMES MUST BE POPULATED *00001900
00132 C 002000* PRIOR TO CALLING THE ROUTINE TO OPEN THE DATASET AND MUST NOT *00002000
00133 C 002100* THEN BE CHANGED UNTIL THE DATASET HAS BEEN CLOSED. *00002100
00134 C 002200* ***** *00002200
00135 C 002300 01 KSDSF01. 00002300
00136 C 002400 02 VSIO-DDNAME PIC X(08) VALUE SPACES. 00002400
00137 C 002500 02 VSIO-ORGANIZATION PIC X(04) VALUE SPACES. 00002500
00138 C 002600 02 VSIO-ACCESS PIC X(10) VALUE SPACES. 00002600
00139 C 002700 02 VSIO-MODE PIC X(06) VALUE SPACES. 00002700
00140 C 002800 02 VSIO-RECORD-LENGTH PIC S9(04) COMP VALUE +0. 00002800
00141 C 002900 02 VSIO-KEY-ARGUMENT. 00002900
00142 C 003000 03 VSIO-KEY-POSITION PIC S9(04) COMP VALUE +0. 00003000
00143 C 003100 03 VSIO-KEY-LENGTH PIC S9(04) COMP VALUE +0. 00003100
00144 C 003200 02 VSIO-RELATIVE-RECORD REDEFINES VSIO-KEY-ARGUMENT 00003200
00145 C 003300 PIC S9(08) COMP. 00003300
00146 C 003400 02 FILLER PIC X(01) VALUE 'C'. 00003400
00147 C 003500 88 VSIO-FILE-OPEN VALUE 'O'. 00003500
00148 C 003600 88 VSIO-FILE-CLOSED VALUE 'C'. 00003600
00149 C 003700 02 FILLER PIC X(161). 00003700
00150 C 003800* ***** *00003800
00151 C 003900* END OF VSAMIOFB COPY BOOK *00003900
00152 C 004000* ***** *00004000
00153 004900 01 KSDS-RECORD. 23530000
00154 005000 02 KR-KEY PIC X(10). 23540000
00155 005100 02 FILLER PIC X(70). 23550000
00156 005200 23560000
00157 005300 PROCEDURE DIVISION. 23570000
00158 005400 23580000
00159 005500 000-INITIATE. 23590000
00160 005600 23600000
00161 005700 DISPLAY 'KSDSRAND: READ/REWRITE KSDS DIRECT'. 23610000
00162 005800 DISPLAY '-----'. 23620000
00163 005900 DISPLAY ' '. 23630000
00164 006000 23640000
00165 006100 OPEN INPUT RECORD-IMAGES. 23650000
00166 006200 23660000
00167 006300 MOVE 'KSDSF01' TO VSIO-DDNAME. 23670000
00168 006400 MOVE VSIO-KSDS TO VSIO-ORGANIZATION. 23680000

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00169	006500	MOVE VSIO-DIRECT TO VSIO-ACCESS.	23690000
00170	006600	MOVE VSIO-INPUT-OUTPUT TO VSIO-MODE.	23700000
00171	006700	MOVE +80 TO VSIO-RECORD-LENGTH.	23710000
00172	006800	MOVE +0 TO VSIO-KEY-POSITION.	23720000
00173	006900	MOVE +10 TO VSIO-KEY-LENGTH.	23730000
00174	007000	MOVE VSIO-OPEN TO VSIO-COMMAND.	23740000
00175	007100	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,	23750000
00176	007200	KSDS-RECORD.	23760000
00177	007300*	END-CALL.	23770000
00178	007400	IF NOT VSIO-SUCCESS	23780000
00179	007500	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	23790000
00180	007600	VSIO-COMMAND	23800000
00181	007700	EXHIBIT NAMED VSIO-RETURN-CODE,	23810000
00182	007800	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	23820000
00183	007900	VSIO-VSAM-FUNCTION-CODE,	23830000
00184	008000	VSIO-VSAM-FEEDBACK-CODE	23840000
00185	008100	STOP RUN.	23850000
00186	008200*	END-IF.	23860000
00187	008300		23870000
00188	008400	010-PROCESS.	23880000
00189	008500		23890000
00190	008600	PERFORM 110-PROCESS-UPDATES	23900000
00191	008700	THRU 119-EXIT	23910000
00192	008800	UNTIL END-OF-FILE.	23920000
00193	008900*	END-PERFORM.	23930000
00194	009000		23940000
00195	009100	020-TERMINATE.	23950000
00196	009200		23960000
00197	009300	MOVE VSIO-CLOSE TO VSIO-COMMAND.	23970000
00198	009400	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,	23980000
00199	009500	KSDS-RECORD.	23990000
00200	009600*	END-CALL.	24000000
00201	009700	IF NOT VSIO-SUCCESS	24010000
00202	009800	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	24020000
00203	009900	VSIO-COMMAND	24030000
00204	010000	EXHIBIT NAMED VSIO-RETURN-CODE,	24040000
00205	010100	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	24050000
00206	010200	VSIO-VSAM-FUNCTION-CODE,	24060000
00207	010300	VSIO-VSAM-FEEDBACK-CODE.	24070000
00208	010400*	END-IF.	24080000
00209	010500		24090000
00210	010600	STOP RUN.	24100000
00211	010700		24110000
00212	010800	110-PROCESS-UPDATES.	24120000
00213	010900		24130000
00214	011000	READ RECORD-IMAGES	24140000
00215	011100	AT END	24150000
00216	011200	MOVE 'Y' TO END-OF-FILE-SWITCH.	24160000
00217	011300*	END-READ.	24170000
00218	011400		24180000
00219	011500	IF END-OF-FILE	24190000
00220	011600	GO TO 119-EXIT.	24200000
00221	011700*	END-IF.	24210000
00222	011800		24220000
00223	011900	ADD +1 TO RECORD-COUNTER.	24230000
00224	012000		24240000
00225	012100	IF NOT ACTION-IS-VALID	24250000

00226	012200	MOVE RECORD-COUNTER TO COUNTER-EDIT	24260000
00227	012300	DISPLAY COUNTER-EDIT ': ' RECORD-IMAGE	24270000
00228	012400	DISPLAY ' *** ACTION INVALID: IGNORED'	24280000
00229	012500	DISPLAY ' '	24290000
00230	012600	GO TO 119-EXIT.	24300000
00231	012700*	END-IF.	24310000
00232	012800		24320000
00233	012900	IF ACTION-IS-ADD	24330000
00234	013000	PERFORM 120-ADD-PROCESS THRU 129-EXIT.	24340000
00235	013100*	END-IF.	24350000
00236	013200		24360000
00237	013300	IF ACTION-IS-CHANGE	24370000
00238	013400	PERFORM 130-CHANGE-PROCESS THRU 139-EXIT.	24380000
00239	013500*	END-IF.	24390000
00240	013600		24400000
00241	013700	IF ACTION-IS-DELETE	24410000
00242	013800	PERFORM 140-DELETE-PROCESS THRU 149-EXIT.	24420000
00243	013900*	END-IF.	24430000
00244	014000		24440000
00245	014100	119-EXIT.	24450000
00246	014200	EXIT.	24460000
00247	014300		24470000
00248	014400	120-ADD-PROCESS.	24480000
00249	014500		24490000
00250	014600	MOVE RI-IMAGE TO KSDS-RECORD.	24500000
00251	014700	MOVE VSIO-WRITE TO VSIO-COMMAND.	24510000
00252	014800	DISPLAY 'ADDING: ' KSDS-RECORD.	24520000
00253	014900	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,	24530000
00254	015000	KSDS-RECORD.	24540000
00255	015100*	END-CALL.	24550000
00256	015200		24560000
00257	015300	IF VSIO-SUCCESS	24570000
00258	015400	DISPLAY ' RECORD ADDED'	24580000
00259	015500	ELSE	24590000
00260	015600	IF VSIO-LOGIC-ERROR	24600000
00261	015700	AND VSIO-DUPLICATE-RECORD	24610000
00262	015800	MOVE VSIO-RELATIVE-RECORD TO COUNTER-EDIT	24620000
00263	015900	DISPLAY ' *** DUPLICATE RECORD ON FILE'	24630000
00264	016000	ELSE	24640000
00265	016100	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	24650000
00266	016200	VSIO-COMMAND	24660000
00267	016300	EXHIBIT NAMED VSIO-RETURN-CODE,	24670000
00268	016400	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	24680000
00269	016500	VSIO-VSAM-FUNCTION-CODE,	24690000
00270	016600	VSIO-VSAM-FEEDBACK-CODE.	24700000
00271	016700*	END-IF	24710000
00272	016800*	END-IF.	24720000
00273	016900		24730000
00274	017000	DISPLAY ' '.	24740000
00275	017100		24750000
00276	017200	129-EXIT.	24760000
00277	017300	EXIT.	24770000
00278	017400		24780000
00279	017500	130-CHANGE-PROCESS.	24790000
00280	017600		24800000
00281	017700	PERFORM 150-READ-RECORD THRU 159-EXIT.	24810000
00282	017800		24820000

00283	017900	IF VSIO-LOGIC-ERROR	24830000
00284	018000	AND VSIO-RECORD-NOT-FOUND	24840000
00285	018100	DISPLAY ' *** RECORD NOT FOUND'	24850000
00286	018200	DISPLAY ' '	24860000
00287	018300	GO TO 139-EXIT.	24870000
00288	018400*	END-IF.	24880000
00289	018500		24890000
00290	018600	DISPLAY KSDS-RECORD.	24900000
00291	018700	DISPLAY ' RECORD BEFORE CHANGE'.	24910000
00292	018800		24920000
00293	018900	MOVE RI-IMAGE TO KSDS-RECORD.	24930000
00294	019000	MOVE VSIO-REWRITE TO VSIO-COMMAND.	24940000
00295	019100	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,	24950000
00296	019200	KSDS-RECORD.	24960000
00297	019300*	END-CALL.	24970000
00298	019400		24980000
00299	019500	IF VSIO-SUCCESS	24990000
00300	019600	DISPLAY KSDS-RECORD	25000000
00301	019700	DISPLAY ' RECORD AFTER CHANGE'	25010000
00302	019800	ELSE	25020000
00303	019900	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	25030000
00304	020000	VSIO-COMMAND	25040000
00305	020100	EXHIBIT NAMED VSIO-RETURN-CODE,	25050000
00306	020200	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	25060000
00307	020300	VSIO-VSAM-FUNCTION-CODE,	25070000
00308	020400	VSIO-VSAM-FEEDBACK-CODE	25080000
00309	020500*	END-IF	25090000
00310	020600		25100000
00311	020700	DISPLAY ' '.	25110000
00312	020800		25120000
00313	020900	139-EXIT.	25130000
00314	021000	EXIT.	25140000
00315	021100		25150000
00316	021200	140-DELETE-PROCESS.	25160000
00317	021300		25170000
00318	021400	PERFORM 150-READ-RECORD THRU 159-EXIT.	25180000
00319	021500		25190000
00320	021600	IF VSIO-LOGIC-ERROR	25200000
00321	021700	AND VSIO-RECORD-NOT-FOUND	25210000
00322	021800	DISPLAY ' *** RECORD NOT FOUND'	25220000
00323	021900	DISPLAY ' '	25230000
00324	022000	GO TO 149-EXIT.	25240000
00325	022100*	END-IF.	25250000
00326	022200		25260000
00327	022300	DISPLAY KSDS-RECORD.	25270000
00328	022400	DISPLAY ' RECORD BEFORE DELETE'.	25280000
00329	022500		25290000
00330	022600	MOVE VSIO-DELETE TO VSIO-COMMAND.	25300000
00331	022700	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,	25310000
00332	022800	KSDS-RECORD.	25320000
00333	022900*	END-CALL.	25330000
00334	023000		25340000
00335	023100	IF VSIO-SUCCESS	25350000
00336	023200	DISPLAY ' DELETED '	25360000
00337	023300	ELSE	25370000
00338	023400	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	25380000
00339	023500	VSIO-COMMAND	25390000

00340	023600	EXHIBIT NAMED VSIO-RETURN-CODE,	25400000
00341	023700	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	25410000
00342	023800	VSIO-VSAM-FUNCTION-CODE,	25420000
00343	023900	VSIO-VSAM-FEEDBACK-CODE.	25430000
00344	024000*	END-IF.	25440000
00345	024100		25450000
00346	024200	DISPLAY ' '.	25460000
00347	024300		25470000
00348	024400	149-EXIT.	25480000
00349	024500	EXIT.	25490000
00350	024600		25500000
00351	024700	150-READ-RECORD.	25510000
00352	024800		25520000
00353	024900	MOVE RI-IMAGE TO KSDS-RECORD.	25530000
00354	025000	DISPLAY 'ATTEMPTING TO READ: ' KR-KEY.	25540000
00355	025100	MOVE VSIO-READ TO VSIO-COMMAND.	25550000
00356	025200	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, KSDSF01,	25560000
00357	025300	KSDS-RECORD.	25570000
00358	025400*	END-CALL.	25580000
00359	025500		25590000
00360	025600	IF NOT VSIO-SUCCESS	25600000
00361	025700	IF VSIO-LOGIC-ERROR	25610000
00362	025800	AND VSIO-RECORD-NOT-FOUND	25620000
00363	025900	NEXT SENTENCE	25630000
00364	026000	ELSE	25640000
00365	026100	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	25650000
00366	026200	VSIO-COMMAND	25660000
00367	026300	EXHIBIT NAMED VSIO-RETURN-CODE,	25670000
00368	026400	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	25680000
00369	026500	VSIO-VSAM-FUNCTION-CODE,	25690000
00370	026600	VSIO-VSAM-FEEDBACK-CODE.	25700000
00371	026700*	END-IF	25710000
00372	026800*	END-IF.	25720000
00373	026900		25730000
00374	027000	159-EXIT.	25740000
00375	027100	EXIT.	25750000
00376	027200		25760000

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=1-284	FD	RECORD-IMAGES	DCB=01		DNM=1-284		QSAM				F
DNM=1-313	01	RECORD-IMAGE	BL=1	000	DNM=1-313	DS 0CL80	GROUP				
DNM=1-338	02	RI-ACTION	BL=1	000	DNM=1-338	DS 1C	DISP				
DNM=1-360	88	ACTION-IS-ADD			DNM=1-360						
DNM=1-387	88	ACTION-IS-CHANGE			DNM=1-387						
DNM=1-414	88	ACTION-IS-DELETE			DNM=1-414						
DNM=1-441	88	ACTION-IS-VALID			DNM=1-441						
DNM=1-466	02	FILLER	BL=1	001	DNM=1-466	DS 1C	DISP				
DNM=1-485	02	RI-IMAGE	BL=1	002	DNM=1-485	DS 78C	DISP				
DNM=2-000	77	END-OF-FILE-SWITCH	BL=2	000	DNM=2-000	DS 1C	DISP				
DNM=2-031	88	END-OF-FILE			DNM=2-031						
DNM=2-053	77	RECORD-COUNTER	BL=2	001	DNM=2-053	DS 8C	DISP-NM				
DNM=2-077	77	COUNTER-EDIT	BL=2	009	DNM=2-077	DS 10C	NM-EDIT				
DNM=2-114	01	VSIO-PARAMETER-VALUES	BL=2	018	DNM=2-114	DS 0CL124	GROUP				
DNM=2-148	02	VSIO-OPEN	BL=2	018	DNM=2-148	DS 8C	DISP				
DNM=2-167	02	VSIO-CLOSE	BL=2	020	DNM=2-167	DS 8C	DISP				
DNM=2-187	02	VSIO-READ	BL=2	028	DNM=2-187	DS 8C	DISP				
DNM=2-209	02	VSIO-WRITE	BL=2	030	DNM=2-209	DS 8C	DISP				
DNM=2-229	02	VSIO-REWRITE	BL=2	038	DNM=2-229	DS 8C	DISP				
DNM=2-251	02	VSIO-DELETE	BL=2	040	DNM=2-251	DS 8C	DISP				
DNM=2-272	02	VSIO-START-KEY-EQUAL	BL=2	048	DNM=2-272	DS 8C	DISP				
DNM=2-302	02	VSIO-START-KEY-NOTLESS	BL=2	050	DNM=2-302	DS 8C	DISP				
DNM=2-334	02	VSIO-KSDS	BL=2	058	DNM=2-334	DS 4C	DISP				
DNM=2-353	02	VSIO-ESDS	BL=2	05C	DNM=2-353	DS 4C	DISP				
DNM=2-372	02	VSIO-RRDS	BL=2	060	DNM=2-372	DS 4C	DISP				
DNM=2-391	02	VSIO-SEQUENTIAL	BL=2	064	DNM=2-391	DS 10C	DISP				
DNM=2-416	02	VSIO-DIRECT	BL=2	06E	DNM=2-416	DS 10C	DISP				
DNM=2-437	02	VSIO-DYNAMIC	BL=2	078	DNM=2-437	DS 10C	DISP				
DNM=2-459	02	VSIO-INPUT	BL=2	082	DNM=2-459	DS 6C	DISP				
DNM=2-479	02	VSIO-OUTPUT	BL=2	088	DNM=2-479	DS 6C	DISP				
DNM=3-000	02	VSIO-INPUT-OUTPUT	BL=2	08E	DNM=3-000	DS 6C	DISP				
DNM=3-027	01	VSIO-PARAMETER-BLOCK	BL=2	098	DNM=3-027	DS 0CL16	GROUP				
DNM=3-060	02	VSIO-COMMAND	BL=2	098	DNM=3-060	DS 8C	DISP				
DNM=3-085	02	VSIO-RETURN-CODE	BL=2	0A0	DNM=3-085	DS 2C	COMP				
DNM=3-114	88	VSIO-SUCCESS			DNM=3-114						
DNM=3-139	88	VSIO-LOGIC-ERROR			DNM=3-139						
DNM=3-168	88	VSIO-END-OF-FILE			DNM=3-168						
DNM=3-199	88	VSIO-PARAMETER-ERROR			DNM=3-199						
DNM=3-229	88	VSIO-COMMAND-UNKNOWN			DNM=3-229						
DNM=3-263	88	VSIO-DATASET-ALREADY-OPEN			DNM=3-263						
DNM=3-302	88	VSIO-DATASET-NOT-OPEN			DNM=3-302						
DNM=3-337	88	VSIO-ORGANIZATION-KEYWORD			DNM=3-337						
DNM=3-376	88	VSIO-ACCESS-KEYWORD			DNM=3-376						
DNM=3-409	88	VSIO-ACCESS-UNSUPPORTED			DNM=3-409						
DNM=3-446	88	VSIO-MODE-KEYWORD			DNM=3-446						
DNM=4-000	88	VSIO-MODE-UNSUPPORTED			DNM=4-000						
DNM=4-035	88	VSIO-DDNAME-BLANK			DNM=4-035						
DNM=4-066	02	VSIO-VSAM-RETURN-CODE	BL=2	0A2	DNM=4-066	DS 2C	COMP				
DNM=4-097	02	VSIO-VSAM-FUNCTION-CODE	BL=2	0A4	DNM=4-097	DS 2C	COMP				
DNM=4-130	02	VSIO-VSAM-FEEDBACK-CODE	BL=2	0A6	DNM=4-130	DS 2C	COMP				
DNM=4-166	88	VSIO-DUPLICATE-RECORD			DNM=4-166						
DNM=4-200	88	VSIO-SEQUENCE-ERROR			DNM=4-200						
DNM=4-233	88	VSIO-RECORD-NOT-FOUND			DNM=4-233						
DNM=4-268	88	VSIO-NO-MORE-SPACE			DNM=4-268						
DNM=4-300	88	VSIO-READ-WITHOUT-START			DNM=4-300						

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=4-337	01	KSDSF01	BL=2	0A8	DNM=4-337	DS 0CL196	GROUP				
DNM=4-357	02	VSIO-DDNAME	BL=2	0A8	DNM=4-357	DS 8C	DISP				
DNM=4-378	02	VSIO-ORGANIZATION	BL=2	0B0	DNM=4-378	DS 4C	DISP				
DNM=4-405	02	VSIO-ACCESS	BL=2	0B4	DNM=4-405	DS 10C	DISP				
DNM=4-426	02	VSIO-MODE	BL=2	0BE	DNM=4-426	DS 6C	DISP				
DNM=4-448	02	VSIO-RECORD-LENGTH	BL=2	0C4	DNM=4-448	DS 2C	COMP				
DNM=4-476	02	VSIO-KEY-ARGUMENT	BL=2	0C6	DNM=4-476	DS 0CL4	GROUP				
DNM=5-000	03	VSIO-KEY-POSITION	BL=2	0C6	DNM=5-000	DS 2C	COMP				
DNM=5-030	03	VSIO-KEY-LENGTH	BL=2	0C8	DNM=5-030	DS 2C	COMP				
DNM=5-055	02	VSIO-RELATIVE-RECORD	BL=2	0C6	DNM=5-055	DS 4C	COMP	R			
DNM=5-085	02	FILLER	BL=2	0CA	DNM=5-085	DS 1C	DISP				
DNM=5-107	88	VSIO-FILE-OPEN			DNM=5-107						
DNM=5-132	88	VSIO-FILE-CLOSED			DNM=5-132						
DNM=5-159	02	FILLER	BL=2	0CB	DNM=5-159	DS 161C	DISP				
DNM=5-178	01	KSDS-RECORD	BL=2	170	DNM=5-178	DS 0CL80	GROUP				
DNM=5-202	02	KR-KEY	BL=2	170	DNM=5-202	DS 10C	DISP				
DNM=5-218	02	FILLER	BL=2	17A	DNM=5-218	DS 70C	DISP				


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*STATISTICS*      SOURCE RECORDS =   376      DATA DIVISION STATEMENTS =    74      PROCEDURE DIVISION STATEMENTS =   107
*OPTIONS IN EFFECT*  SIZE = 2097152  BUF = 1048576  LINECNT = 57  SPACE1, FLAGW,  SEQ,  SOURCE
*OPTIONS IN EFFECT*    DMAP, NOPMAP, NOCLIST,  SUPMAP, NOXREF,  LOAD, NODECK, APOST, NOTRUNC,  LIB, NOVERB
*OPTIONS IN EFFECT*    ZWB
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F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED LIST,XREF,LET
DEFAULT OPTION(S) USED - SIZE=(231424,55296)

CROSS REFERENCE TABLE

CONTROL SECTION			ENTRY							
NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
KSDSRAND	00	12E0								
ILBODSP0*	12E0	700								
ILBOSTP0*	19E0	35								
			ILBOSTP1	19F6						
VSAMIO *	1A18	D0A								

LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION	LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION
540	ILBOSTP0	ILBOSTP0	544	ILBODSP0	ILBODSP0
548	VSAMIO	VSAMIO	54C	ILBOSTP1	ILBOSTP0

ENTRY ADDRESS 00

TOTAL LENGTH 2728

***RUN DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET

AUTHORIZATION CODE IS 0.

KSDSRAND: READ/REWRITE KSDS DIRECT

ADDING: 9532957501 JOHN J GLASSMAN 7663 SEASIDE AVENUE NEWPORT BEACH CA
 RECORD ADDED

ADDING: 1964475502 CAITLIN V BROCKTON 9540 PARKER COURT KANSAS CITY MO
 RECORD ADDED

ADDING: 9441505503 SUE P MOORE 640 JACKSON STREET LOS ANGELES CA
 RECORD ADDED

ADDING: 0045557001 LARRY E BENSON 4778 DESERT STREET LA HABRA CA
 *** DUPLICATE RECORD ON FILE

ATTEMPTING TO READ: 5500563505
 *** RECORD NOT FOUND

ATTEMPTING TO READ: 9966129028
 *** RECORD NOT FOUND

ATTEMPTING TO READ: 9441505503
9441505503 SUE P MOORE 640 JACKSON STREET LOS ANGELES CA

 RECORD BEFORE CHANGE

9441505503 CLARA B ALEXANDER 8427 PECAN VALLEY STREET BOISE ID

 RECORD AFTER CHANGE

ATTEMPTING TO READ: 3849060508
 *** RECORD NOT FOUND

ATTEMPTING TO READ: 3129003066
3129003066 BILL W BECK 1798 SEABREEZE AVENUE BOSTON MA

 RECORD BEFORE DELETE

 DELETED