

Unit 11e – Prepare the IVP Application and IMS System for Execution

IV3E001T: Build System

Help

Execution (LST Mode) - DBT

Row 59 to 75 of 215

Command ==>

Scroll ==> CSR

Action Codes: Brm Doc Edm eNt eXe spR

JOB/Task	Step	Title.....
----------	------	------------

IV3E101J	E1	JOB - Allocate Data Sets
IV3E201J	E2	JOB - DBDGENs
IV3E202J	E2	JOB - PSBGENs
IV3E203J	E2	JOB - ACBGEN
IV3E204J	E2	JOB - MFS Language Utility
IV3E206J	E2	JOB - Assembly/Bind Applications
IV3E207J	E2	JOB - Assembly/Bind DFSIDEF0 (Defaults)
IV3E301J	E3	JOB - Create Dynamic Allocation Members
IV3E302J	E3	JOB - Add Control Statements to IMS.PROCLIB
IV3E303J	E3	JOB - Add CSL Members to IMS.PROCLIB
IV3E304J	E3	JOB - Add CQS Members to IMS.PROCLIB
IV3E305J	E3	JOB - Define EXEC PARM Defaults
IV3E306T	E3	TASK - Syntax Checker Sample

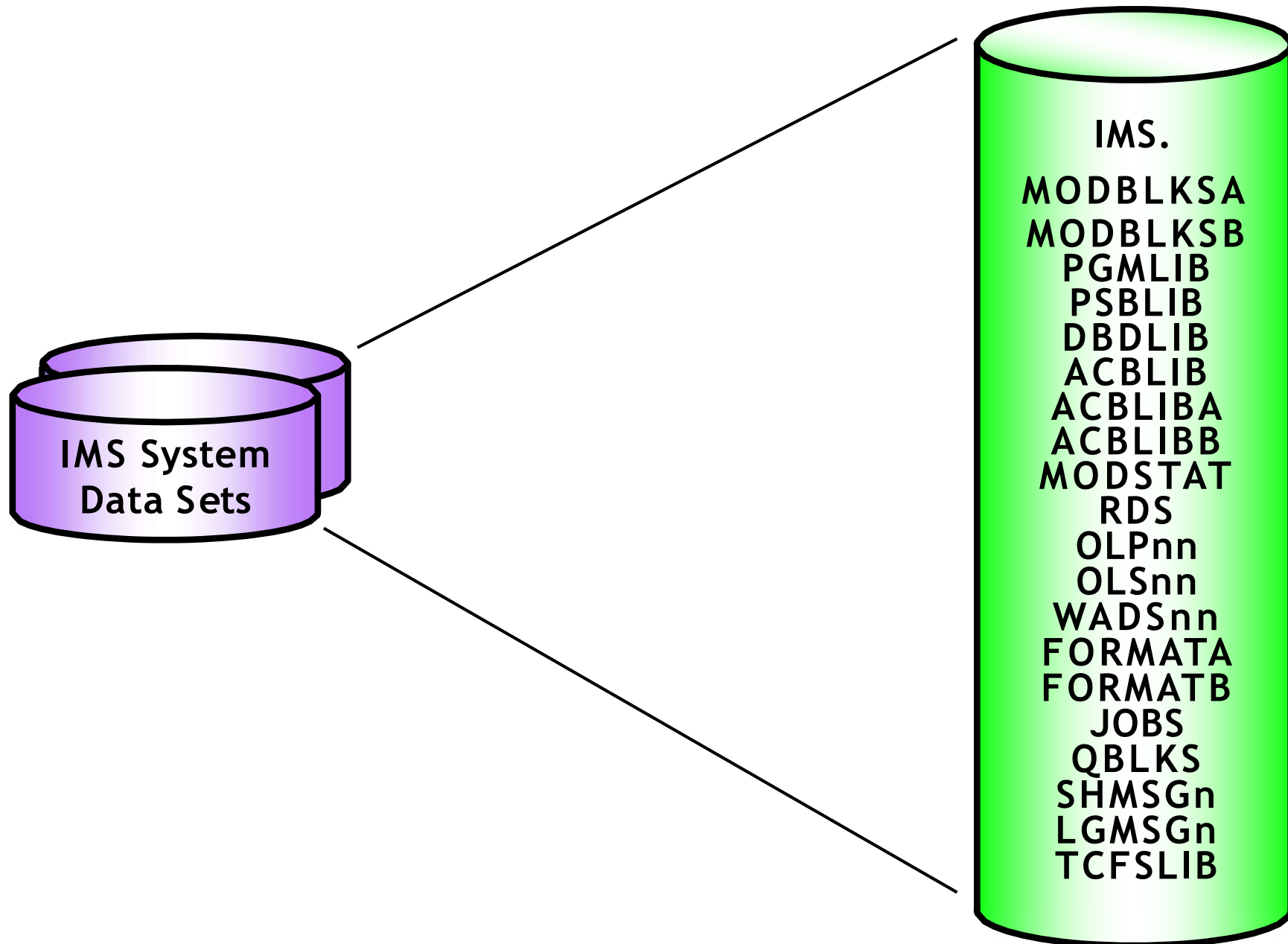
----- STEPS NOT SHOWN -----

IV3E308J	E3	JOB - Define DRA Start-up Table
----------	----	---------------------------------

----- STEPS NOT SHOWN -----

IV3E313J	E3	JOB - Copy Jobs to IMS JOBS
IV3E314J	E3	JOB - Copy DBRC Skeletons to IMS.PROCLIB

IV3E101J: Allocate Data Sets overview



IV3E101J: Allocate Data Sets

```
.  
.  
//SCRATCH EXEC PGM=IDCAMS,DYNAMNBR=300  
//SYSPRINT DD SYSOUT=*  
//SYSIN DD *
```

```
DELETE IMS.PGMLIB
```

```
ALLOCATE -
```

```
DSNAME ('IMS.PGMLIB')
```

```
FILE (PGMLIB)
```

```
RECFM (U)
```

```
BLKSIZE (6233)
```

```
DSORG (PO)
```

```
NEW CATALOG
```

```
SPACE (6, 2) CYL
```

```
DIR (46)
```

```
VOL (IMS123)
```

```
UNIT (3390) SMS ?????
```

```
DELETE IMS.PSBLIB
```

```
ALLOCATE
```

```
DSNAME ('IMS.PSBLIB')
```

```
FILE (PSBLIB)
```

```
RECFM (U)
```

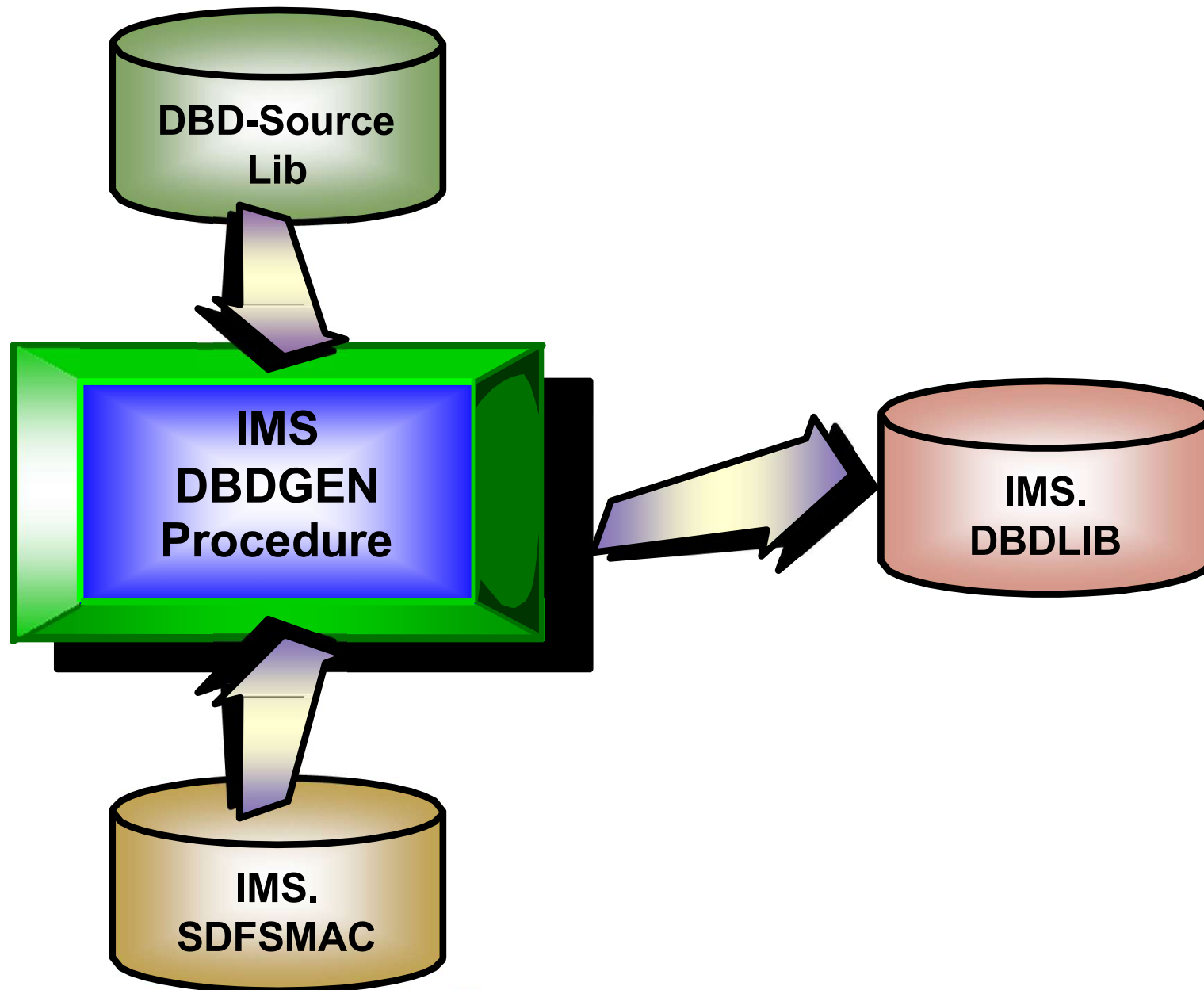
```
BLKSIZE (6233)
```

```
DSORG (PO)
```

```
NEW CATALOG
```



IV3E201J: DBDGEN overview



IV3E201J: DBDGEN JCL

```
.  
.  
//DI21PART EXEC PROC=DBDGEN,MBR=DI21PART,SOUT='*'  
XX      PROC MBR=TEMPNAME,SOUT='*',RGN=256K,SYS2=  
XXC     EXEC PGM=ASMA90,REGION=&RGN,PARM='OBJECT,NODECK'  
IEFC653I SUBSTITUTION JCL - PGM=ASMA90,REGION=256K,PARM='OBJECT,NODECK'  
XXSYSLIB DD DSN=IMS.&SYS2.MACLIB,DISP=SHR  
IEFC653I SUBSTITUTION JCL - DSN=IMS.SDFSIMAC,DISP=SHR  
XXSYSLIN DD UNIT=SYSDA,DISP=(,PASS),SPACE=(80,(100,100),RLSE),  
XX      DCB=(BLKSIZE=80,RECFM=F,LRECL=80)  
XXSYSPRINT DD SYSOUT=&SOUT,DCB=BLKSIZE=1089,SPACE=(121,(300,300),RLSE,,ROUND)  
IEFC653I SUBSTITUTION JCL - SYSOUT=*,DCB=BLKSIZE=1089,SPACE=(121,(300,300),RLSE,,RO  
XXSYSUT1 DD UNIT=SYSDA,DISP=(,DELETE),SPACE=(CYL,(10,5))  
//C.SYSIN DD DISP=SHR,  
//          DSN=IMS.SDFSISRC(DI21PART)  
XXL     EXEC PGM=IEWL,PARM='XREF,LIST',  
XX      COND=(0,LT,C),REGION=120K  
XXSYSLIN DD DSN=*.C.SYSLIN,DISP=(OLD,DELETE)  
XXSYSPRINT DD SYSOUT=&SOUT,DCB=BLKSIZE=1089,SPACE=(121,(90,90),RLSE)  
IEFC653I SUBSTITUTION JCL - SYSOUT=*,DCB=BLKSIZE=1089,SPACE=(121,(90,90),RLSE)  
XXSYSLMOD DD DISP=SHR,DSN=IMS.&SYS2.DBDLIB(&MBR)  
IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=IMS.DBDLIB(DI21PART)  
XXSYSUT1 DD UNIT=(SYSDA,SEP=(SYSLMOD,SYSLIN)),  
XX      SPACE=(1024,(100,10),RLSE),DISP=(,DELETE)  
//*
```

IV3E201J: DBDGEN input

1 *

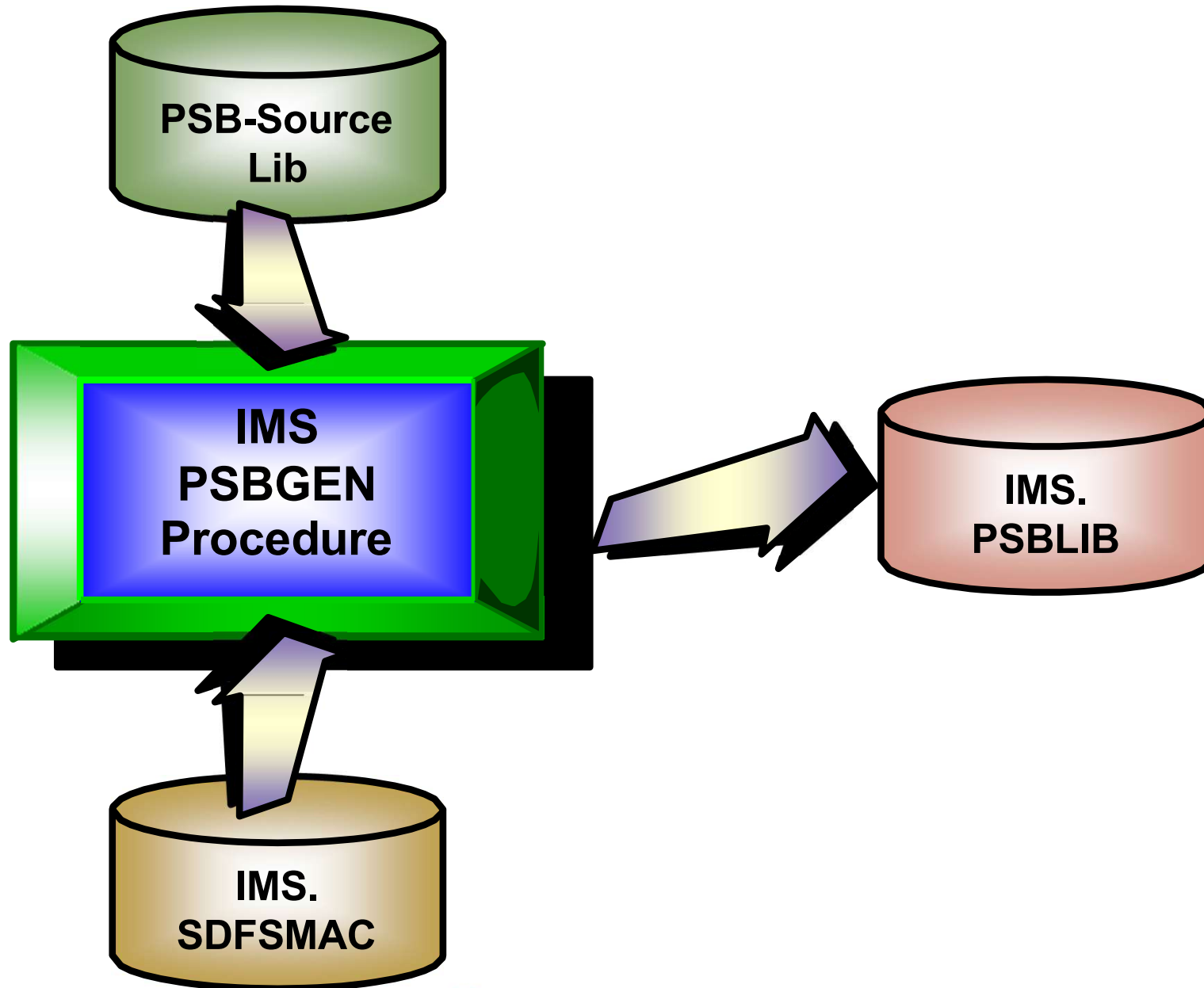
```
11      DBD      NAME=DI21PART, ACCESS= (HISAM, VSAM)
12      DATASET  DD1=DI21PART, DEVICE=3390, OVFLW=DI21PARO,
          SIZE= (2048, 2048), RECORD= (678, 678)
13      SEGM     NAME=PARTROOT, PARENT=0, BYTES=50, FREQ=250
14      FIELD    NAME= (PARTKEY, SEQ), TYPE=C, BYTES=17, START=1
15      SEGM     NAME=STANINFO, PARENT=PARTROOT, BYTES=85, FREQ=1
16      FIELD    NAME= (STANKEY, SEQ), TYPE=C, BYTES=2, START=1
17      SEGM     NAME=STOKSTAT, PARENT=PARTROOT, BYTES=160, FREQ=2
18      FIELD    NAME= (STOCKEY, SEQ), TYPE=C, BYTES=16, START=1
19      SEGM     NAME=CYCCOUNT, PARENT=STOKSTAT, BYTES=25, FREQ=1
20      FIELD    NAME= (CYCLKEY, SEQ), TYPE=C, BYTES=2, START=1
21      SEGM     NAME=BACKORDR, PARENT=STOKSTAT, BYTES=75, FREQ=0
22      FIELD    NAME= (BACKKEY, SEQ), TYPE=C, BYTES=10, START=1
23      DBDGEN
```

X

IV3E201J: DBDGEN Job output

```
67+*,* * * * *
68+*,*
69+*,  RECOMMENDED VSAM DEFINE CLUSTER PARAMETERS
70+*,*
71+*,* * * * *
73+*,* * * * *
74+*,*
75+*,*          *NOTE1
76+*,*  DEFINE CLUSTER (NAME(DI21PART) -
77+*,*      INDEXED KEYS (17,6) -
78+*,*      RECORDSIZE (678,678)) -
79+*,*      DATA (CONTROLINTERVALSIZE (2048))
80+*,*
81+*,* *NOTE1 - SHOULD SPECIFY DSNAME FOR DD DI21PART
82+*,*
83+*,* * * * *
85+*,* * * * *
86+*,*
87+*,*          *NOTE2
88+*,*  DEFINE CLUSTER (NAME(DI21PARO) NONINDEXED -
89+*,*      RECORDSIZE (678,678) -
90+*,*      CONTROLINTERVALSIZE (2048))
91+*,*
92+*,* *NOTE2 - SHOULD SPECIFY DSNAME FOR DD DI21PARO
93+*,*
94+*,* * * * *
```


IV3E202J: PSBGEN overview



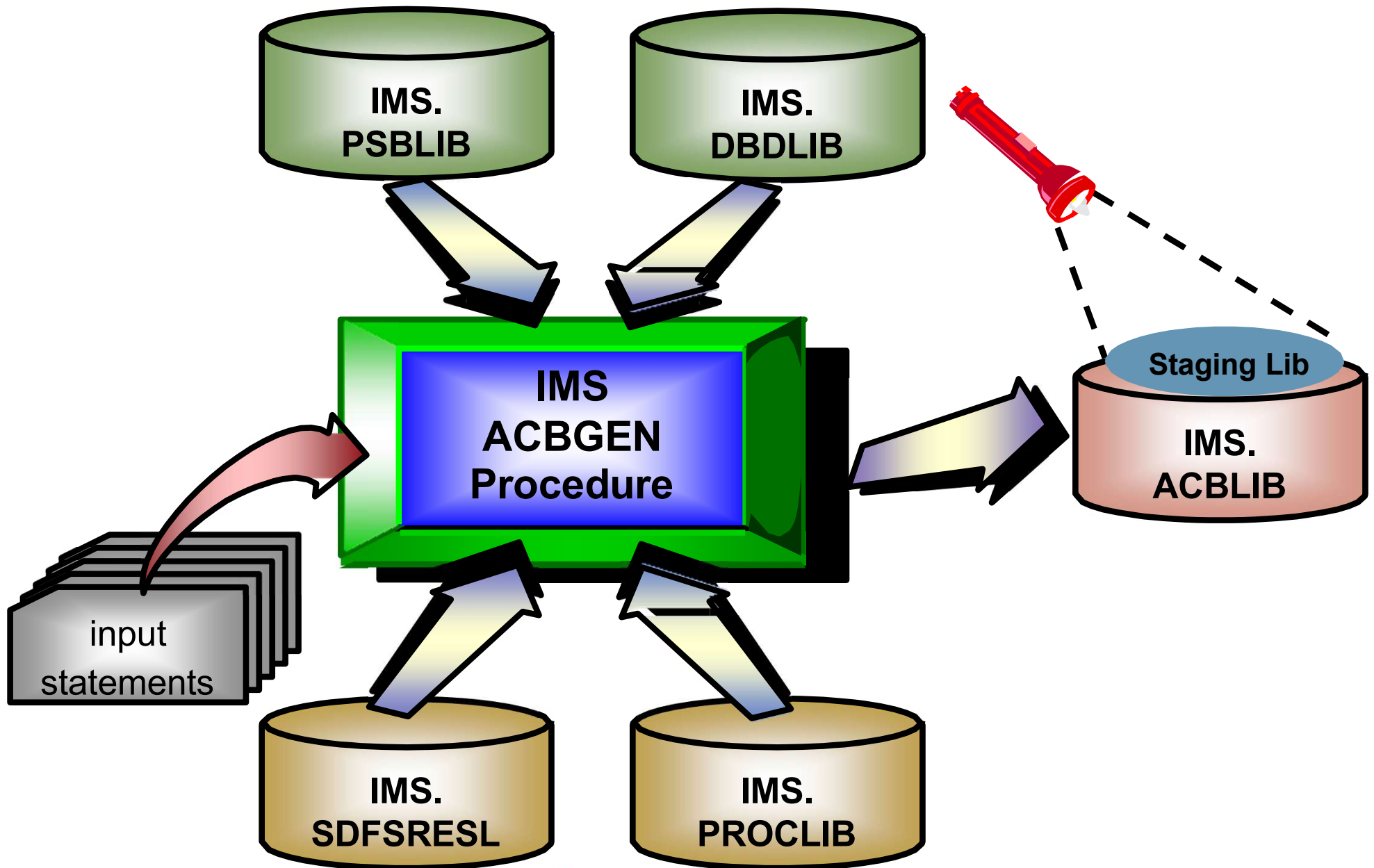
IV3E202J: PSBGEN JCL

```
.
.
//DFSSAM11 EXEC PROC=PSBGEN,MBR=DFSSAM01,SOUT='*'
XX      PROC MBR=TEMPNAME,SOUT='*',RGN=256K,SYS2=
XXC     EXEC PGM=ASMA90,REGION=&RGN,PARM='OBJECT,NODECK'
IEFC653I SUBSTITUTION JCL - PGM=ASMA90,REGION=256K,PARM='OBJECT,NODECK'
XXSYSLIB DD DSN=IMS.&SYS2.MACLIB,DISP=SHR
IEFC653I SUBSTITUTION JCL - DSN=IMS.SDFSIMAC,DISP=SHR
XXSYSLIN DD UNIT=SYSDA,DISP=(,PASS),SPACE=(80,(100,100),RLSE),
XX      DCB=(BLKSIZE=80,RECFM=F,LRECL=80)
XXSYSPRINT DD SYSOUT=&SOUT,DCB=BLKSIZE=1089,SPACE=(121,(300,300),RLSE,,ROUND)
IEFC653I SUBSTITUTION JCL - SYSOUT=*,DCB=BLKSIZE=1089,SPACE=(121,(300,300),RLSE,,RO
XXSYSUT1 DD UNIT=SYSDA,DISP=(,DELETE),SPACE=(CYL,(10,5))
//C.SYSIN DD DISP=SHR,
//          DSN=IMS.SDFSISRC(DFSSAM11)
XXL     EXEC PGM=IEWL,PARM='XREF,LIST',
XX      COND=(0,LT,C),REGION=120K
XXSYSLIN DD DSN=*.C.SYSLIN,DISP=(OLD,DELETE)
XXSYSPRINT DD SYSOUT=&SOUT,DCB=BLKSIZE=1089,SPACE=(121,(90,90),RLSE)
IEFC653I SUBSTITUTION JCL - SYSOUT=*,DCB=BLKSIZE=1089,SPACE=(121,(90,90),RLSE)
XXSYSLMOD DD DISP=SHR,DSN=IMS.&SYS2.PSBLIB(&MBR)
IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=IMS.PSBLIB(DFSSAM01)
XXSYSUT1 DD UNIT=(SYSDA,SEP=(SYSLMOD,SYSLIN)),
XX      SPACE=(1024,(100,10),RLSE),DISP=(,DELETE)
//*
```

IV3E202J: PSBGEN input

```
.
.
.
10 *****
11 *
12 *      CHANGES:
13 *      APAR...  ID  PREREQ.  DATE....  DESCRIPTION.....
14 *      KNQ0115  01          11/17/91  ADD PCB LABEL FOR AIB INTERFACE
15 *
16 DBPCB01  PCB      TYPE=DB, DBDNAME=DI21PART, PROCOPT=L, KEYLEN=43
17          SENSEG NAME=PARTROOT, PARENT=0
18          SENSEG NAME=STANINFO, PARENT=PARTROOT
19          SENSEG NAME=STOKSTAT, PARENT=PARTROOT
20          SENSEG NAME=CYCCOUNT, PARENT=STOKSTAT
21          SENSEG NAME=BACKORDR, PARENT=STOKSTAT
22          PSBGEN LANG=COBOL, PSBNAME=DFSSAM01
*      IMS PROGRAM SPECIFICATION BLOCK GENERATION FOR DFSSAM01
```

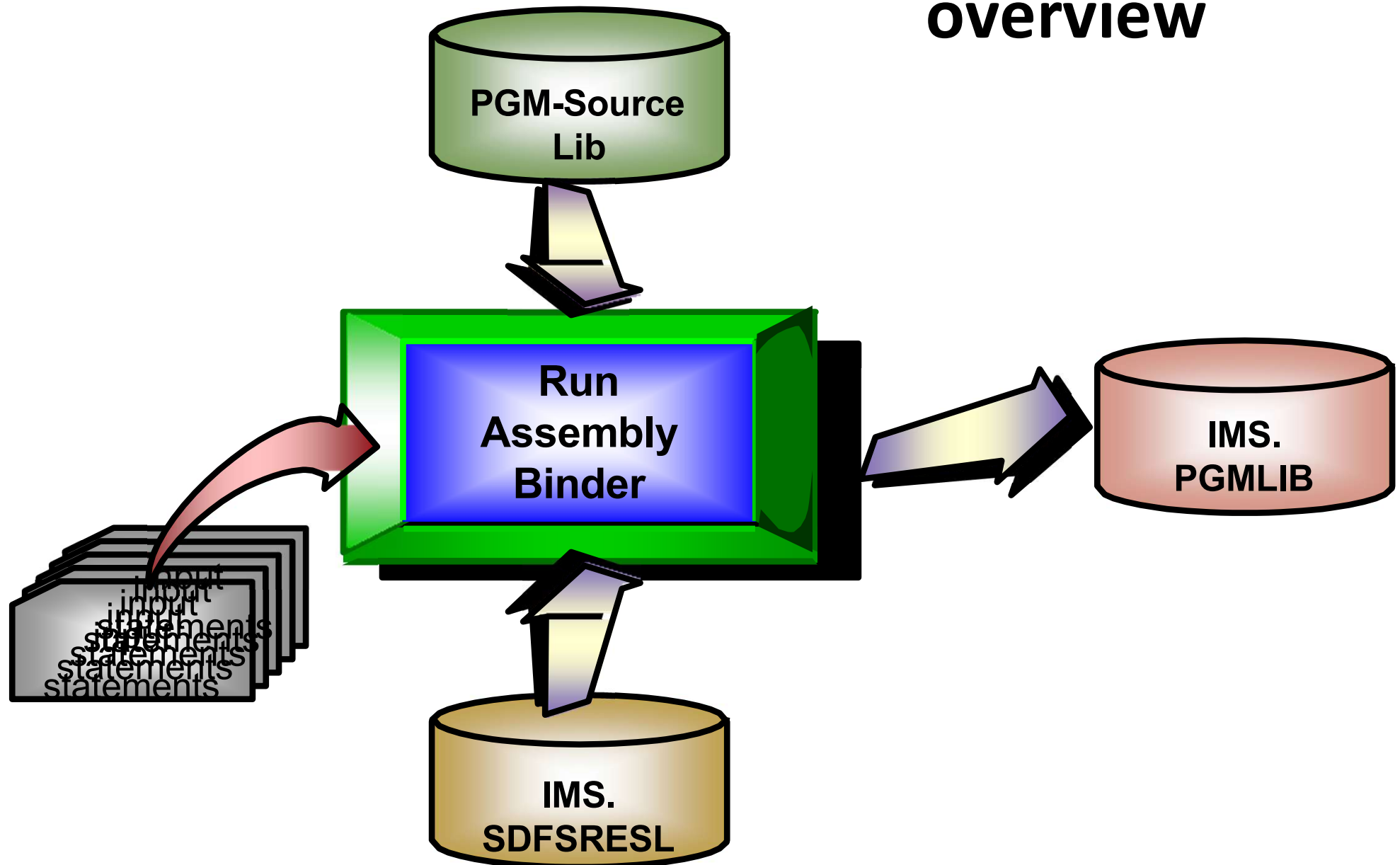
IV3E203J: ACBGEN overview



IV3E203J: ACBGEN JCL

```
2 //ACBGEN      EXEC PROC=ACBGEN,SOUT='*',COMP='POSTCOMP'
3 XX           PROC SOUT=A,COMP=,RGN=256K,SYS2=
4 XXG EXEC PGM=DFSRR00,PARM='UPB,&COMP',
   IEF653I SUBSTITUTION JCL - PGM=DFSRR00,PARM='UPB,POSTCOMP',REG=&RGN
   IEF653I SUBSTITUTION JCL - REGION=256K
5 XXSYSRINT DD SYSOUT=&SOUT
   IEF653I SUBSTITUTION JCL - SYSOUT=*
6 XXSTEPLIB DD DSN=IMS.&SYS2.SDFSRESL,DISP=SHR IEF653I
   SUBSTITUTION JCL - DSN=IMS.SDFSRESL,DISP=SHR
7 XXDFSRESLB DD DSN=IMS.&SYS2.SDFSRESL,DISP=SHR IEF653I
   SUBSTITUTION JCL - DSN=IMS.SDFSRESL,DISP=SHR
8 XXIMS       DD DSN=IMS.&SYS2.PSBLIB,DISP=SHR
   IEF653I SUBSTITUTION JCL - DSN=IMS.PSBLIB,DISP=SHR
9 XX          DD DSN=IMS.&SYS2.DBDLIB,DISP=SHR
   IEF653I SUBSTITUTION JCL - DSN=IMS.DBDLIB,DISP=SHR
10 XXIMSACB DD DSN=IMS.&SYS2.ACBLIB,DISP=OLD
   IEF653I SUBSTITUTION JCL - DSN=IMS.ACBLIB,DISP=OLD
11 XXSYSUT3 DD UNIT=SYSDA,SPACE=(80,(100,100))
12 XXSYSUT4 DD UNIT=SYSDA,SPACE=(256,(100,100)),DCB=KEYLEN=8
13 XXCOMPCTL DD DISP=SHR,
   XX          DSN=IMS.&SYS2.PROCLIB(DFSACBCP)
   IEF653I SUBSTITUTION JCL - DSN=IMS.PROCLIB(DFSACBCP)
14 //G.SYSIN DD *,DCB=BLKSIZE=80
```

IV3E206J: Assembly/Bind Applications overview

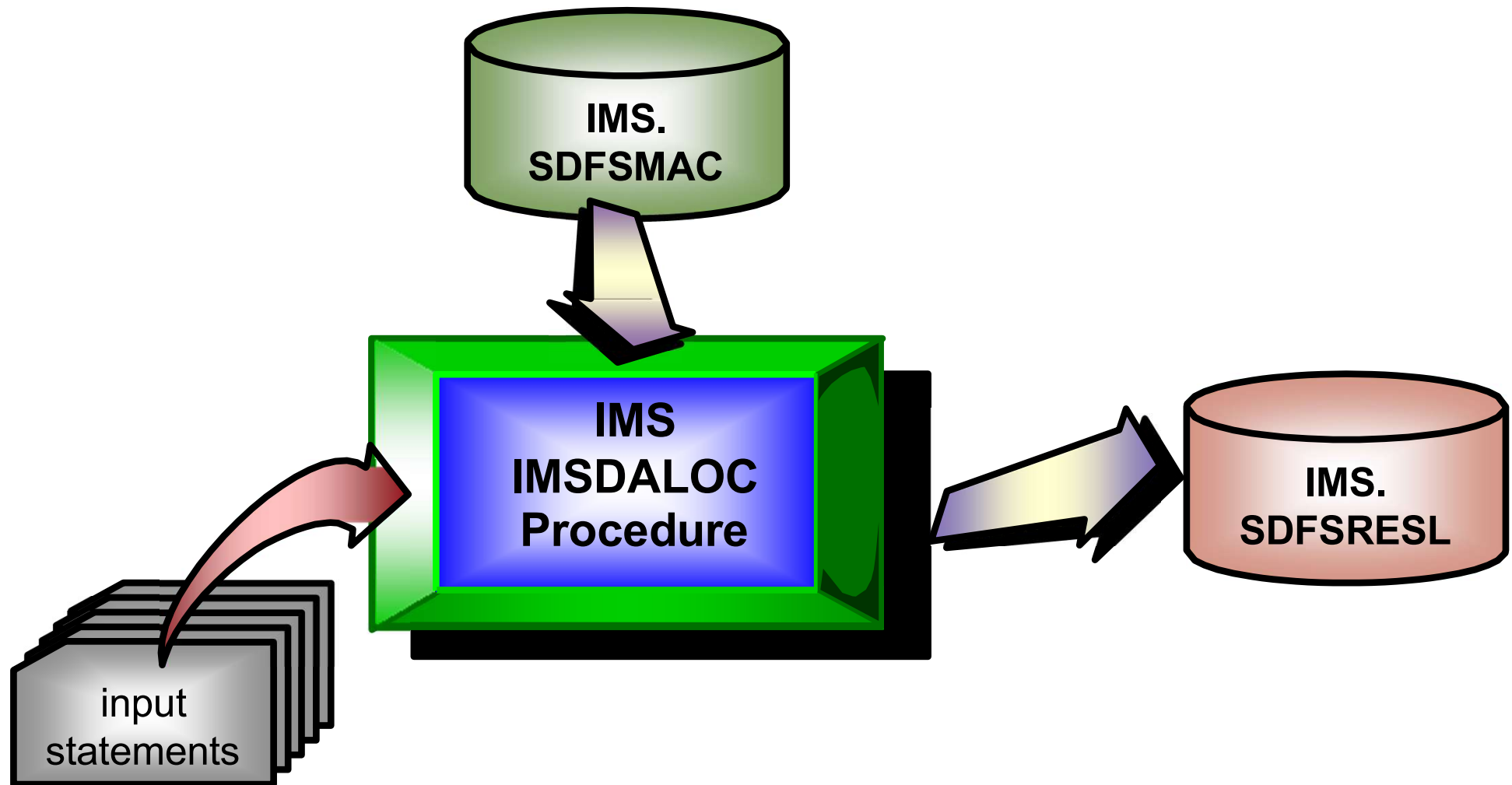


IV3E206J: Assembly/Bind Applications JCL

```
//C          EXEC PGM=ASMA90,PARM='OBJECT,NODECK'
//SYSPRINT DD SYSOUT=*
//SYSLIB DD DISP=SHR,DSN=IMS.ADFSMAC
//          DD DISP=SHR,DSN=SYS1.MACLIB
//SYSLIN DD UNIT=3390,DISP=(,PASS,DELETE),SPACE=(CYL,(1,1)),
//          DCB=(RECFM=F,LRECL=80,BLKSIZE=80)
//SYSUT1 DD UNIT=3390,DISP=(,DELETE,DELETE),SPACE=(CYL,(1,1))
//SYSUT2 DD UNIT=3390,DISP=(,DELETE,DELETE),SPACE=(CYL,(1,1))
//SYSUT3 DD UNIT=(3390,SEP=(SYSLIB,SYSUT1,SYSUT2)),
//          DISP=(,DELETE,DELETE),SPACE=(CYL,(1,1))
//SY SIN DD DISP=SHR,DSN=IMS.SDFSISRC(&SRC)
//L          EXEC PGM=IEWL,
//          PARM='XREF,LIST',COND=(0,LT,C)
//SYSPRINT DD SYSOUT=*
//SYSLIN DD DISP=(OLD,DELETE,DELETE),
//          DSN=*.C.SYSLIN,VOL=REF=*.C.SYSLIN
//          DD DDNAME=SY SIN
//RESLIB DD DISP=SHR,DSN=IMS.SDFSRESL
//SYSLMOD DD DISP=SHR,DSN=IMS.PGMLIB
//SYSUT1 DD UNIT=(3390,SEP=(SYSLMOD,SYSLIN)),
//          DISP=(,DELETE,DELETE),SPACE=(CYL,(1,1))
//          PEND

//*****
***
//* LINK-EDIT THE IMS SAMPLE APPLICATION REXX PROGRAMS -
//* DFSSAM01/DFSSAM02/DFSSAM03/DFSSAM04/DFSSAM05/DFSSAM06/DFSSAM07
```

IV3E301J: Create Dynamic Allocation Members overview



IV3E301J: Create Dynamic Allocation

Members input statements (1 of 2)

```
//STEP01 EXEC PROC=IMSDALOC, SOUT='*'  
//ASSEM.SYSIN DD *
```

```
4 DFSMDA TYPE=INITIAL
```

.

.

```
10 DFSMDA TYPE=DATABASE, DBNAME=DI21PART
```

```
11 DFSMDA TYPE=DATASET, DDNAME=DI21PART,
```

```
DSNAME=IMS.DI21PART,
```

```
DISP=SHR
```

```
11 DFSMDA TYPE=DATASET, DDNAME=DI21PARO,
```

```
DSNAME=IMS.DI21PARO,
```

```
DISP=SHR
```

.

.

```
46 DFSMDA TYPE=DFSDCMON, DDNAME=IMSMON,
```

```
DSNAME=IMS.MONITOR.DATASET, DISP=SHR
```

.

.

```
54 DFSMDA TYPE=RECON, DDNAME=RECON1,
```

```
DSNAME=IMS.RECON1
```

.

.

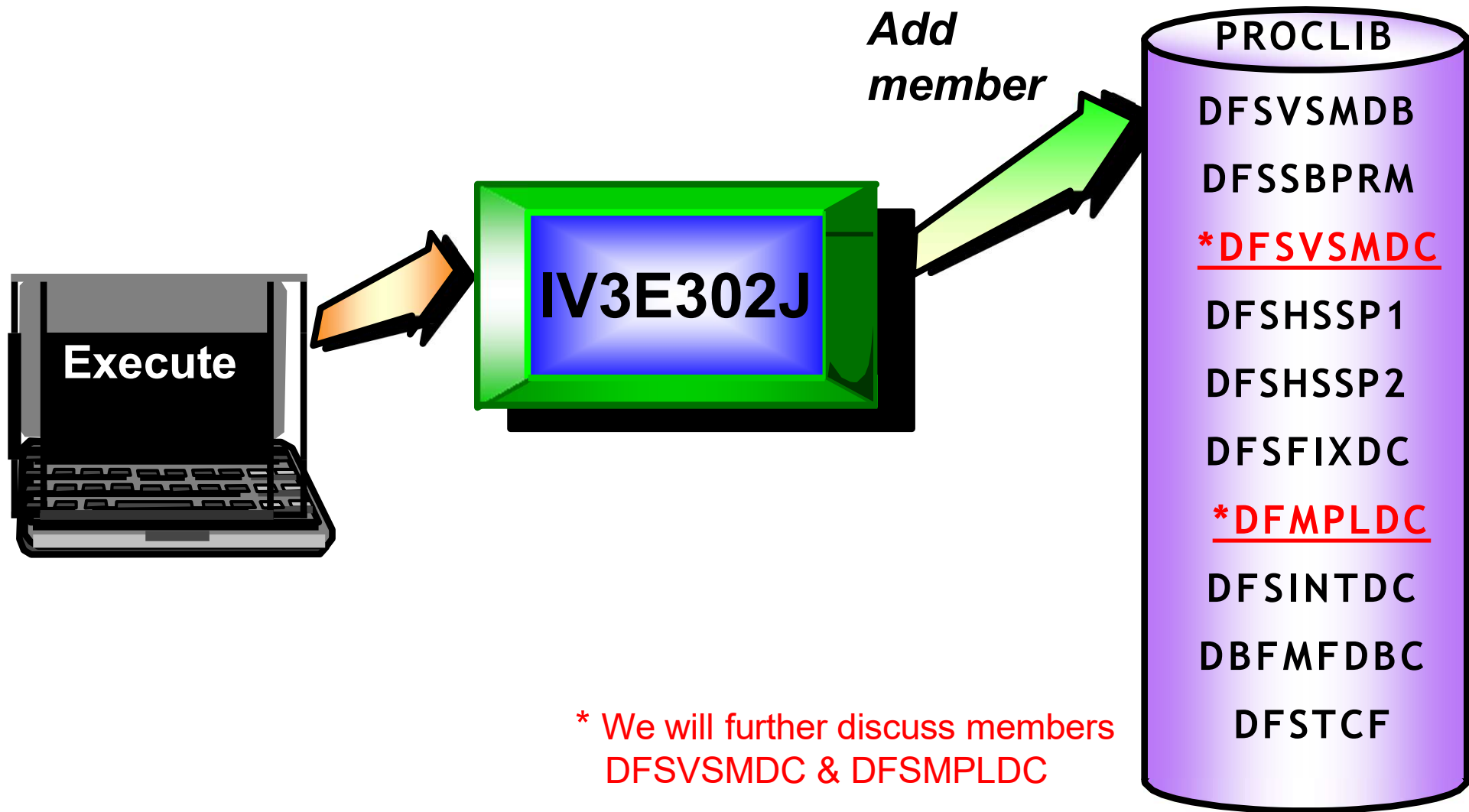


IV3E301J: Create Dynamic Allocation

Members input statements (2 of 2)

```
58 * OLDS
59 *
60 DFSMDA TYPE=OLDS, DDNAME=DFSOLP00, X
        DSNAME=IMS.OLP00
        .
        .
        .
67 * WADS
68 *
69 DFSMDA TYPE=WADS, DDNAME=DFSWADS0, X
        DSNAME=IMS.WADS0
        .
        .
        .
71 *
72 * IMSLOGR (SLDS)
73 *
74 DFSMDA TYPE=SLDS, UNIT=TAPE, DDNAME=IMSLOGR SLDS 'UNIT' TYPE
75 *
76 * END
77 *
78 DFSMDA TYPE=FINAL <== MUST BE LAST DYNALLOC INPUT STATEMENT
```

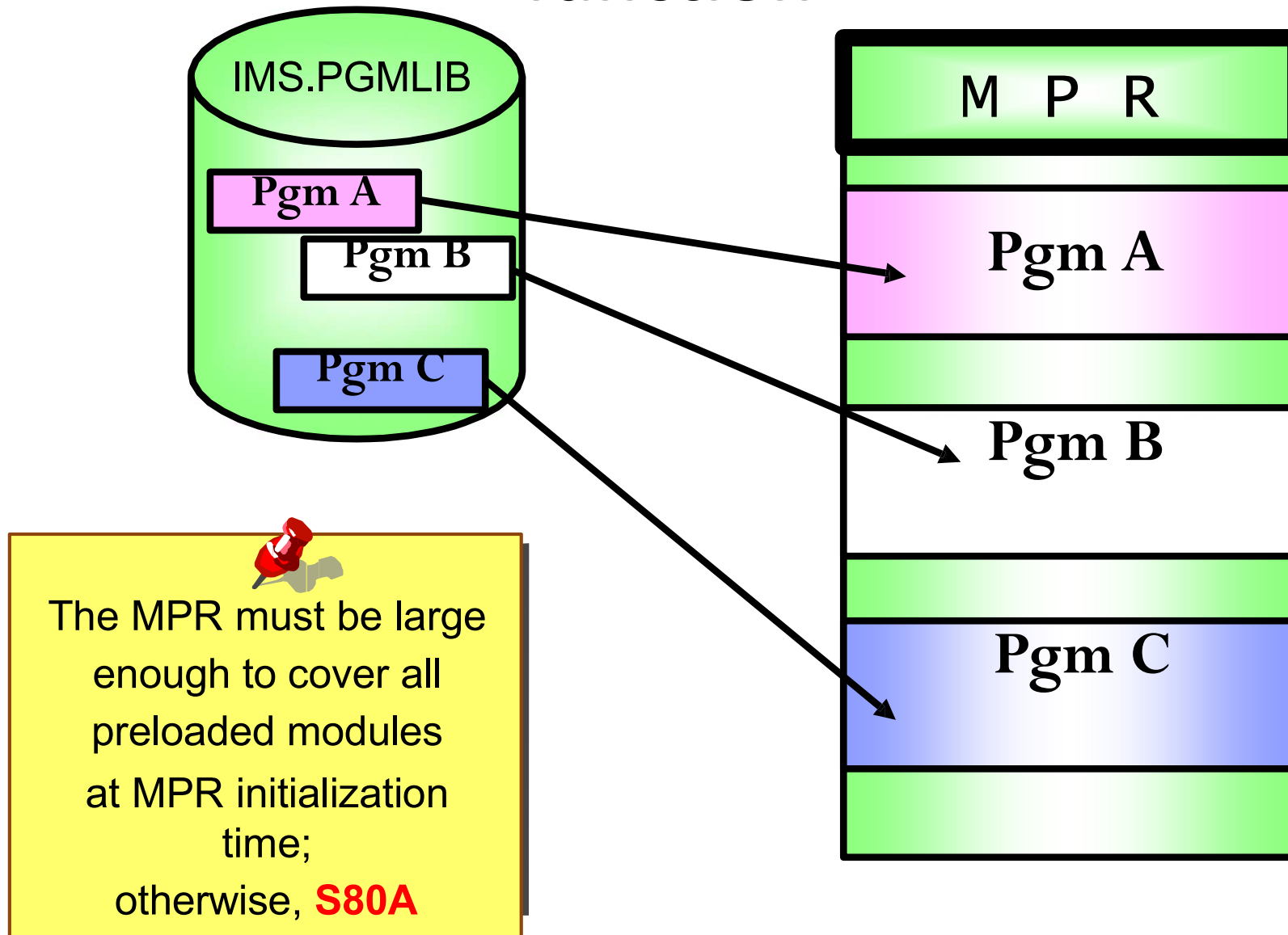
IV3E302J: Add Control Statements to IMS.PROCLIB overview



IV3E302J: Add DFSVSMDC Control Statements to IMS.PROCLIB

```
.
.
//TCFUPDT  PROC MBR=TEMPNAME
//T        EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT2   DD DISP=SHR,
//          DSN=IMS.TCFSLIB(&MBR)
//SYSIN    DD DUMMY
//          PEND
//*****
//*
//DFSVSMDC EXEC PROC=PROCUPDT,MBR=DFSVSMDC
//P.SYSUT1 DD *
VSRBF=4096,5
VSRBF=2048,5
VSRBF=1024,5
VSRBF=512,5
IOBF=(2048,5,Y,Y)
SBONLINE,MAXSB=10
OPTIONS,BGWRT=YES,INSERT=SKP,DUMP=YES,DUMPIO=YES
OPTIONS,VSAMFIX=(BFR,IOB),VSAMPLS=LOCL
OPTIONS,DL/I=OUT,LOCK=OUT,DISP=OUT,SCHD=OUT,DLOG=OUT,LATC=ON,SUBS=ON
OPTIONS,STRG=ON
OLDSDEF OLDS=(00,01,02,03,04,05,99),BUFNO=005,MODE=DUAL
WADSDEF WADS=(0,1,8,9)
```

DFSMPLEX: The IMS DB/DC Preload function



LLA / VLF

- LLA/VLF is similar to the Obsolete *Virtual Fetch Option* and provides the following functions:
 - Maintains in-storage copies of production library directories
 - Stages selected modules (determined by LLA/VLF) to a VLF virtual storage data space
 - Can improve performance by keeping frequently used modules in virtual storage
- LLA/VLF has advanced storage and program management capability:
 - LLA/VLF uses its own LRU algorithm to determine which modules to keep in the data space
 - In this way, LLA/VLF usually makes better use of the virtual storage available
 - LLA/VLF *refresh* is by means of a command
- Setting up LLA/VLF for IMS DB/DC is done by z/OS Systems Programmers not IMS Systems Programmers:
 - You need to work with them to identify which IMS libraries would benefit from this facility



IV3E305J: Define EXEC PARM defaults (DFSPBxxx member)

- Alternative to IMS procedure startup parameters
 - No parameter string length limitation
 - Individual parameters can still be overridden in IMS startup if required
- Multiple versions can be defined
 - The *PB* Suffix can be specified on IMS procedure

```
//IMSDBDC      EXEC IMSDBDC,PARM1='RGSUF=xxx'
```

- IMS parameter override priority:
 - Command parameter (PARM1/PARM2='.....') on z/OS Start command
 - Parameter value in IMS procedure
 - DFSPBxxx parameter member value
 - IMS Gen System Definition values

IV3E305J: Define EXEC PARM DFSPBxxx

member (1 of 4)

```
//DFSPBIMS EXEC PROC=PROCUPDT, MBR=DFSPBIMS
//P.SYSUT1 DD *
  RES=Y,
  FRE=00030,
  QBUF=0005,
  PST=5,
  SAV=005,
  EXVR=Y,
  SRCH=0,
  FBP=00048,
  PSB=0048,
  DMB=048,
  CIOP=,
  WKAP=048,
  PSBW=024,
  SPAP=,
  DBWP=024,
  SUF=I,
  FIX=DC,
  PRLD=DC,
  VSPEC=DC,
  SOD=,
  VAUT=1,
  BSIZ=02048,
  OTHR=005,
  DBFX=00010,
  DBBF=00050,
  MSDB=C,
```


IV3E305J: Define EXEC PARM DFSPBxxx

Member (2 of 4)

```
      .  
      .  
      FMTO=D,  
      AUTO=N,  
      TRN=N,  
      SGN=N,  
      RCF=N,  
      IMSID=IVP1,  
      ISIS=2,  
      LGNR=10,  
      NLXB=,  
      LSO=S,  
      SSM=,  
      WADS=D,  
      ARC=01,  
      UHASH=,  
      QTU=075,  
      QTL=050,  
      DBRCNM=IVP61RC1,  
      DLINM=IVP61DL1,  
      CSAPSB=12,  
      DLIPSB=40,  
      HSBID=,  
      HSBMBR=,  
      PRDR=IVP61RD1,  
      RECA=5,  
      EPCB=0012,  
      .  
      .
```

IV3E305J: Define EXEC PARM DFSPBxxx

Member (3 of 4)

```
CRC=,  
HIOP=,  
FPWP=,  
EMHB=,  
SPM=,  
EMHL=256,  
ASOT=60,  
ALOT=09,  
DLQT=60,  
ETO=Y,  
RECA SZ=4095,  
CHTS=1000,  
LHTS=256,  
NHTS=256,  
UHTS=256,  
DSCT=I,  
FESTIM=,  
APPC=,  
LUMP=,  
LUMC=,  
TRACK=,  
RSRMBR=,  
APPLID1=,  
APPLID2=,  
APPLID3=,  
.  
.
```

Are we sure these
parms are valid?

IV3E305J: Define EXEC PARM DFSPBxxx

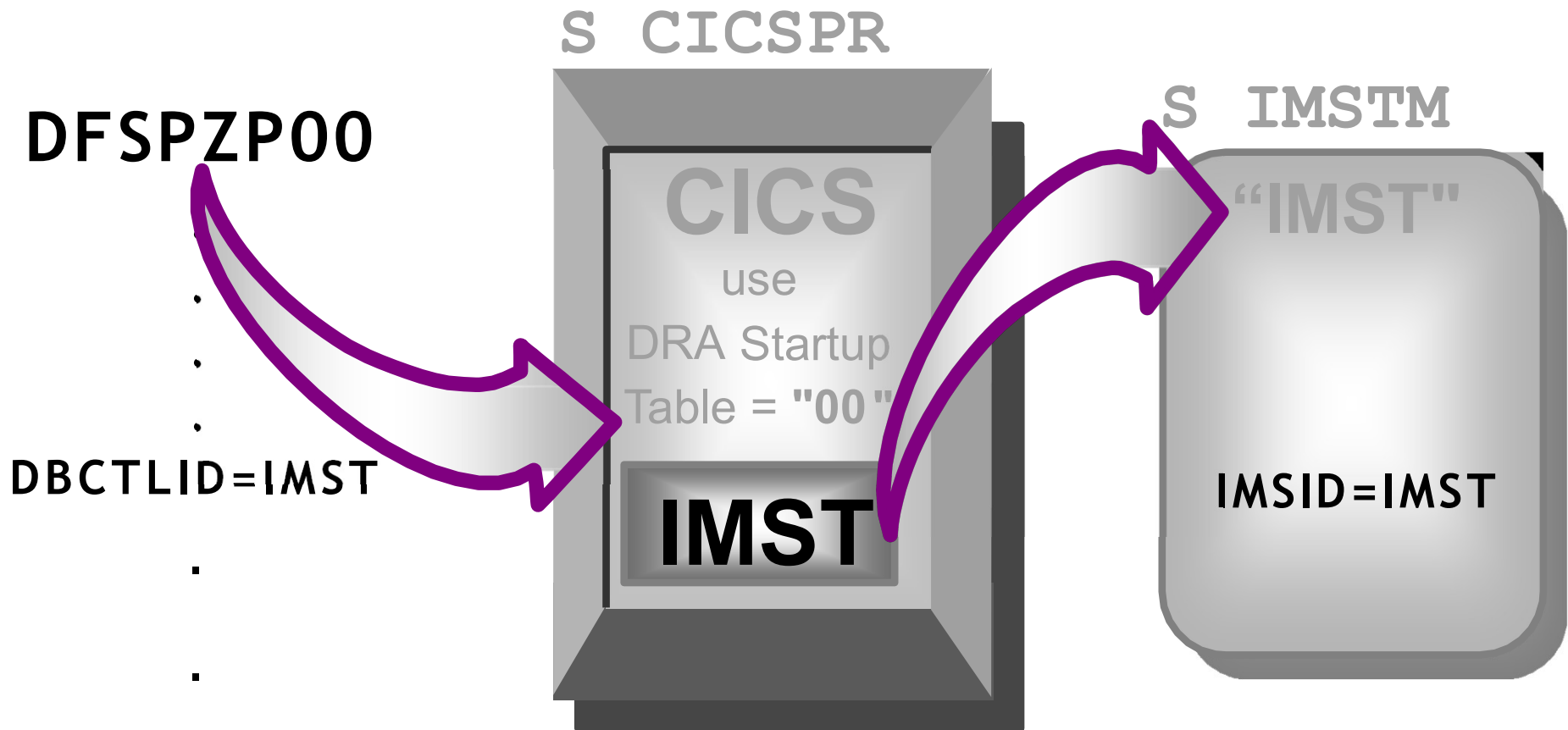
Member (4 of 4)

USERVAR=,
IRLM=Y,
IRLMNM=IRLM,
PIMAX=,
PIINCR=,
AOIP=,
AOIS=,
GRNAME=,
OTMA=,
MAXPST=

IMS Syntax Checker

- Syntax Checker is a IMS ISPF application added in IMS V8
 - Its use has been optional since IMS
- Its primary functions are to:
 - Define, verify, and validate PROCLIB member DFSPBxxx parameters and value specifications prior to attempting an IMS start
 - For example, Syntax Checker ...
 - Reads and displays a PROCLIB member's parameters and values
 - Verifies that parameters and values are valid
 - Allows user to add/delete parameters and/or modify values
 - Allows user to save to same or different Proclib member
 - Identify new and obsolete parameters
 - Useful when migrating to new version of IMS
 - Provide detailed online help text at the parameter level
- Documented in IMS manual: *IMS System Definition Guide*

IV3E308J: Define Database Resource Adapter Start-up Table



Default DRA Startup Table

IV3E308J: Define DRA Start-up Table JCL (1 of 5)

```
//ASMDRA      PROC MBR=TEMPNAME
//*
//ASM         EXEC PGM=ASMA90,PARM='OBJECT,NODECK'
//SYSPRINT DD SYSOUT=*
//SYSLIB      DD DISP=SHR,DSN=IMS.ADFSMAC
//            DD DISP=SHR,DSN=SYS1.MACLIB
//SYSLIN      DD UNIT=3390,DISP=(,PASS,DELETE),SPACE=(CYL,(1,1)),
//            DCB=(RECFM=F,LRECL=80,BLKSIZE=80)
//SYSUT1      DD UNIT=3390,DISP=(,DELETE,DELETE),SPACE=(CYL,(1,1))
//SYSUT2      DD UNIT=3390,DISP=(,DELETE,DELETE),SPACE=(CYL,(1,1))
//SYSUT3      DD UNIT=(3390,SEP=(SYSLIB,SYSUT1,SYSUT2)),
//            DISP=(,DELETE,DELETE),SPACE=(CYL,(1,1))
//*
//LKED1       EXEC PGM=IEWL,COND=(0,LT,ASM),
//            PARM='NCAL,LET,LIST,XREF'
//SYSPRINT DD SYSOUT=*
//SYSLIN      DD DISP=(OLD,PASS,DELETE),
//            DSN=*.ASM.SYSLIN,VOL=REF=*.ASM.SYSLIN
//SYSLMOD      DD DISP=SHR,
//            DSN=IMS.SDFSRESL(&MBR)
//SYSUT1      DD UNIT=(3390,SEP=(SYSLMOD,SYSLIN)),
//            DISP=(,DELETE,DELETE),SPACE=(CYL,(1,1))
```

IV3E308J: Define DRA Start-up Table JCL (2 of 5)

```

//*****
//*      DRA WILL BE REPLACED BY SYSGEN !!!!
//*      ----> LINK/EDIT INTO IMS.ADFSLOAD
//*****

//LKED2      EXEC PGM=IEWL,COND=(0,LT,ASM) ,
//            PARM='NCAL,LET,LIST,XREF'
//SYSPRINT DD SYSOUT=*
//SYSLIN DD DISP=(OLD,PASS,DELETE) ,DSN=*.ASM.SYSLIN,VOL=REF=*.ASM.SYSLIN
//SYSLMOD DD DISP=SHR,
//            DSN=IMS.ADFSLOAD(&MBR)
//SYSUT1 DD UNIT=(3390,SEP=(SYSLMOD,SYSLIN)) ,
//            DISP=(,DELETE,DELETE) ,SPACE=(CYL,(1,1))
//*****
//*      LINK/EDIT INTO CICS.SIT.LOADLIB1
//*****

//LKED3      EXEC PGM=IEWL,COND=(0,LT,ASM) ,
//            PARM='NCAL,LET,LIST,XREF'
//SYSPRINT DD SYSOUT=*
//SYSLIN DD DISP=(OLD,DELETE,DELETE) ,
//            DSN=*.ASM.SYSLIN,VOL=REF=*.ASM.SYSLIN
//SYSLMOD DD DISP=SHR,
//            DSN=CICS.SIT.LOADLIB1(&MBR)
//SYSUT1 DD UNIT=(3390,SEP=(SYSLMOD,SYSLIN)) ,
//            DISP=(,DELETE,DELETE) ,SPACE=(CYL,(1,1))

```

IV3E308J: Define DRA Start-up Table JCL (3 of 5)

```
//*****  
//*  
//*      COPY DRA STARTUP ROUTER PGM  DFSPRC0  
//*      INTO CICS.SIT.LOADLIB1  
//*  
//*****  
  
//DFSPRC0 EXEC PGM=IEBCOPY  
//SYSPRINT DD  SYSOUT=*  
//SYSUT1 DD   DSN=IMS.SDFSRESL,DISP=SHR  
//SYSUT2 DD   DSN=CICS.SIT.LOADLIB1,DISP=SHR  
//SYSUT3 DD UNIT=VIO,DISP=(NEW,PASS)  
//SYSUT4 DD UNIT=VIO,DISP=(NEW,PASS)  
//SYSIN DD DISP=SHR,DSN=IMS.INSTALIB(IEBCOPY)  
//          PEND  
//*****  
//*  
//* THE FOLLOWING STEP ASSEMBLES AND LINK-EDITS INTO IMS RESLIB  
//* THE DEFAULT PARAMETERS USED BY THE IMS CONTROL REGION - IVP3  
//*  
//DFSPZPIV EXEC PROC=ASMDRA,MBR=DFSPZP00  
//ASM.SYSIN DD *
```



```

      .
      .
*   FUNCLV=  DEFAULT (1). ADAPTER FUNCTIONAL LEVEL.          *
*   DDNAME=  1 TO 8 CHARACTER DD NAME TO BE USED WITH        *
*               DYNAMIC ALLOCATION OF THE DBCTL RESLIB.        *
*               DEFAULT (CCTLDD) .                             *
*   DSNAME=  1 TO 44 CHARACTER DATASET NAME OF THE            *
*               DBCTL RESLIB.                                  *
*               DEFAULT (IMSESA.RESLIB) .                      *
*   DBCTLID=XXXX-NAME OF THE DBCTL REGION                     *
*                   DEFAULT = SYS1                             *
*   USERID=XXXXXXXXX-NAME OF THE USER REGION                  *
*   MINTHRD=XXX-MINIMUM NUMBER OF THREADS TO BE              *
*                   AVAILABLE (MAXIMUM NUMBER IS 255)         *
*                   DEFAULT = 1                                *
*   MAXTHRD=XXX-MAXIMUM NUMBER OF THREADS TO BE              *
*                   AVAILABLE (MAXIMUM NUMBER IS 255)         *
*                   DEFAULT = 1                                *
*   TIMER=XX-IDENTIFY TIMER VALUE IN SECONDS (DEFAULT 60)    *
*   FPBUF=XXX-NUMBER OF FAST PATH BUFFERS TO BE ALLOCATED    *
*                   AND FIXED PER THREAD (DEFAULT 00)         *
*   FPBOF=XXX-NUMBER OF FAST PATH OVERFLOW BUFFERS TO BE     *
*                   ALLOCATED PER THREAD (DEFAULT 00)         *
*   SOD=X-OUTPUT CLASS TO BE USED FOR SNAP DUMP OF           *
*                   ABNORMAL THREAD TERMINATIONS (DEFAULT A)  *
*   TIMEOUT=XXX-DRATERM TIMEOUT VALUE IN SECONDS (DEFLT 60)*
*   CNBA=XXXX - TOTAL FP NBA BUFFERS FOR CCTL                *
*   AGN=XXXXXXXX-1 to 8 CHARACTER APPLICATION GROUP NAME      *

```

IV3E308J: Define DRA Start-up Table JCL (5 of 5)

```

EJECT
DFSPRP DSECT=NO,
        FUNCLV=1,          X          CCTL FUNCTION LEVEL          X
        DDNAME=CCTLDD,     XXXXXXXXX DDN FOR CCTL RESLIB DYNALOC X
        DSNAME=IMS.SDFSRESL,
        DBCTLID=IMST,      XXXX      NAME OF DBCTL REGION        IMSIDX
        USERID=CICSPR,     XXXXXXXXX NAME OF USER REGION CICSAPPLX
        MINTHRD=001,       XXX        MINIMUM THREADS            X
        MAXTHRD=030,       XXX        MAXIMUM THREADS            X
        TIMER=60,          XX         IDENTIFY TIMER VALUE - SECS X
        FPBUF=001,         XXX        FP FIXED BFRS PER THREAD    X
        FPBOF=001,         XXX        FP OVFLW BFRS PER THREAD    X
        SOD=V,             XXX        SNAP DUMP CLASS            X
        TIMEOUT=060,       XXX        DRATERM TIMEOUT IN SECONDS X
        CNBA=001           XXX        TOTAL FP NBA BFRS FOR CCTL  X
*      AGN=IVP             XXXXXXXXX APPLICATION GROUP NAME      X

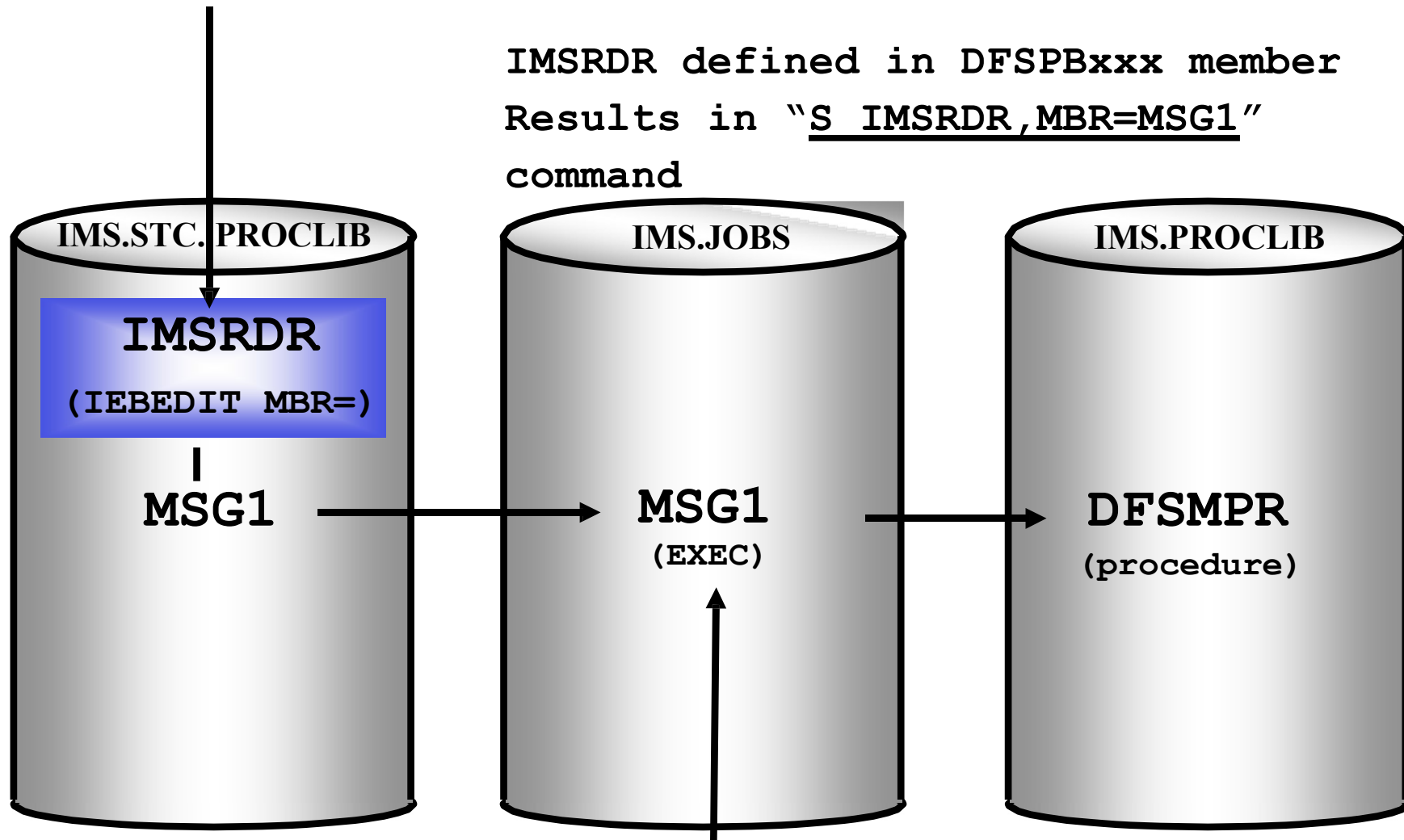
      END
//BACKUP1 EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=IMS.INSTALIB,DISP=SHR
//SYSUT2 DD DSN=IMS.JCL.CNTL,DISP=SHR
//SYSUT3 DD UNIT=VIO,DISP=(NEW,PASS)
//SYSUT4 DD UNIT=VIO,DISP=(NEW,PASS)
//SYSIN DD *
C INDD=SYSUT1,OUTDD=SYSUT2
S M=( (IV2E304J,DRADC,R) )

```

IMS MPR Procedure (1 of 3)

/STA REG MSG1 (start of MPR "MSG1")

IMSRDR defined in DFSPBxxx member
Results in "S IMSRDR,MBR=MSG1"
command

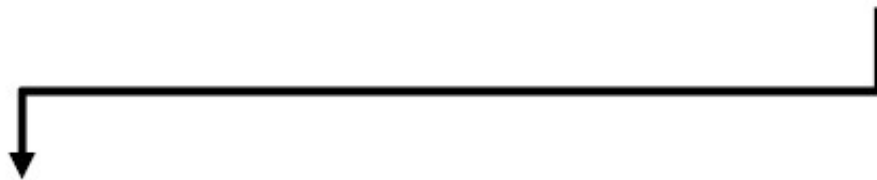


IV3E313J: copy

IMS MPR Procedure (2 of 3)

MEMBER IMSRDR IN IMS.STC.PROCLIB:

```
//          PROC   MBR=,CLASS=0
//IEFPROC EXEC PGM=IEBEDIT
//SYSPRINT DD   DUMMY
//SYSUT1   DD   DDNAME=IEFRDER
//SYSUT2   DD   SYSOUT=( &CLASS,INTRDR) ,DCB=BLKSIZE=80
//SYSIN    DD   DUMMY
//IEFRDER   DD   DSN=IMS.JOBS( &MBR) ,DISP=SHR
```



MEMBER MSG1 IN IMS.JOBS:

```
//MSG1 JOB ,IMS,MSGLEVEL=1,PRTY=11,CLASS=A,MSGCLASS=A
//PROCTM JCLLIB ORDER=(IMS.PROCLIB)
//MSG1 EXEC DFSMPR,SOUT='*',RGN=2048K,SSM=,IMSID=IMSA
//* MPP-REG FOR SPROG SAMLE TRANSACTIONS
```

IMS MPR Procedure (3 of 3)

MEMBER DESMPR IN IMS.PROCLIB:

```
//          PROC  SOUT=V,RGN=4M,SY2=,CL1=001,CL2=000,CL3=000,CL4=000,
//          OPT=N,OVLA=0,SPIE=0,VALCK=0,TLIM=00,PCB=000,PRLD=,
//          STIMER=,SOD=,DBLDL=,NBA=,OBA=,IMSID=,AGN=,VSFX=,
//          VFREE=,SSM=CTRL,PREINIT=,ALTID=,PWFI=N,
//          APARM=,LOCKMAX=
// *
// REGION EXEC  PGM=DFSRRC00,REGION=&RGN,TIME=1440,DPRTY=(12,0),
//          PARM=(MSG,&CL1&CL2&CL3&CL4,&OPT&OVLA&SPIE&VALCK&TLIM&PCB,
//          &PRLD,&STIMER,&SOD,&DBLDL,&NBA,&OBA,&IMSID,&AGN,&VSFX,
//          &VFREE,&SSM,&PREINIT,&ALTID,&PWFI,'&APARM',&LOCKMAX)
// *
/STEPLIB DD DSN=DB2P.RUNLIB.LOAD,DISP=SHR
/ DD DSN=IMS.&SYS2.PGMLIB,DISP=SHR
/ DD DSN=IMS.&SYS2.SDFSRESL,DISP=SHR
/ DD DSN=SYS1.COB2LIB,DISP=SHR
/PROCLIB DD DSN=IMS.&SYS2.PROCLIB,DISP=SHR
/DFSESL DD DSN=IMS.&SYS2.SDFSRESL,DISP=SHR
/ DD DSN=DB2P.DSNLOAD,DISP=SHR
/SYSUDUMP DD SYSOUT=&SOUT,
/ DCB=(LRECL=121,BLKSIZE=3129,RECFM=VBA),
/ SPACE=(125,(2500,100),RLSE,,ROUND)
```

Start IMS MPP / Region review

Members to enable the Start of particular Message Regions

MEMBER IMSRDR IN IMS.STC.PROCLIB:

```
//          PROC   MBR=, CLASS=O
//IEFPROC EXEC PGM=IEBEDIT
//SYSPRINT DD  DUMMY
//SYSUT1   DD  DDNAME=IEFRDER
//SYSUT2   DD  SYSOUT=( &CLASS, INTRDR) , DCB=BLKSIZE=80
//SYSIN    DD  DUMMY
//IEFRDER  DD  DSN=IMS.JOBS( &MBR) , DISP=SHR
```

MEMBER MSG1TM IN IMS.JOBS:

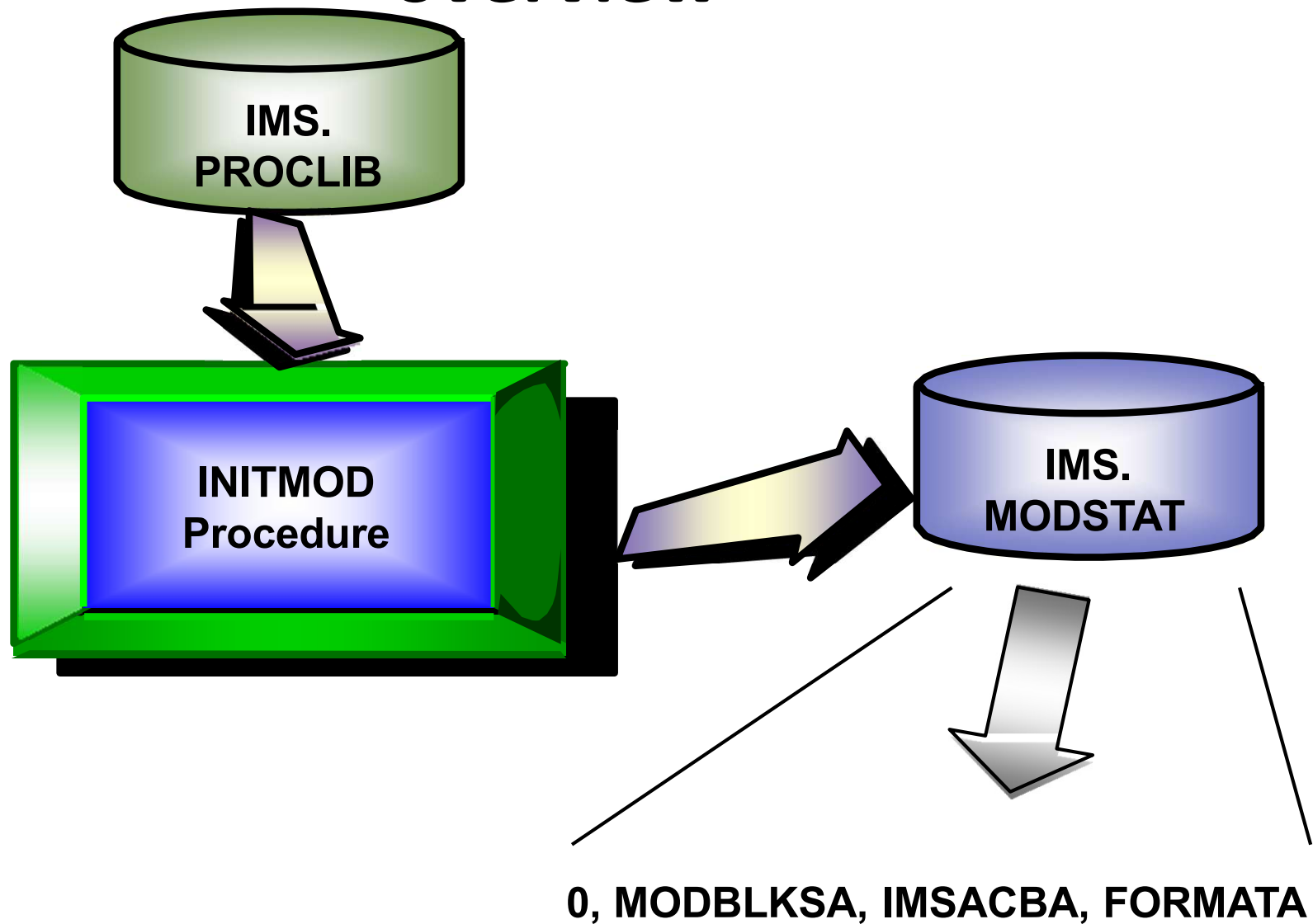
```
//MSG1TM JOB  , IMS, MSGLEVEL=1, PRTY=11, CLASS=A, MSGCLASS=A
//PROCTM JCLLIB ORDER=(IMS.PROCLIB)
//MSG1TM EXEC  DFSMPR, SOUT='*', RGN=2048K, SSM=, IMSID=IMSA
//*      MPP-REG FOR SPROG SAMLE TRANSACTIONS
```

MEMBER DFSMPR IN IMS.PROCLIB.

IV3E314J: Copy DBRC skeletons to IMS.PROCLIB

```
//ALLOC EXEC PGM=IEFBR14
//SYSPRINT DD SYSOUT=*
//* SKELETAL LIB INSTEAD OF PROCLIB
//DD1 DD DSN=IMS.JCLLIB,DISP=(,CATLG,DELETE),SPACE=(CYL,(1,1,200)),
// DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),UNIT=3390,VOL=SER=IMS002
//*****
//COPYSKEL PROC MBR=TEMPNAME
//CS EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSIN DD DUMMY
//SYSUT2 DD DISP=SHR,DSN=IMS.JCLLIB(&MBR)
// PEND
//*****
//*
//ARCHJCL EXEC PROC=COPYSKEL,MBR=ARCHJCL
.
//CAJCL EXEC PROC=COPYSKEL,MBR=CAJCL
.
//ICJCL EXEC PROC=COPYSKEL,MBR=ICJCL
.
//LOGCLJCL EXEC PROC=COPYSKEL,MBR=LOGCLJCL
.
//OICJCL EXEC PROC=COPYSKEL,MBR=OICJCL
.
//RECOVJCL EXEC PROC=COPYSKEL,MBR=RECOVJCL
```

IV3E317J: Initialize MODSTAT data set overview



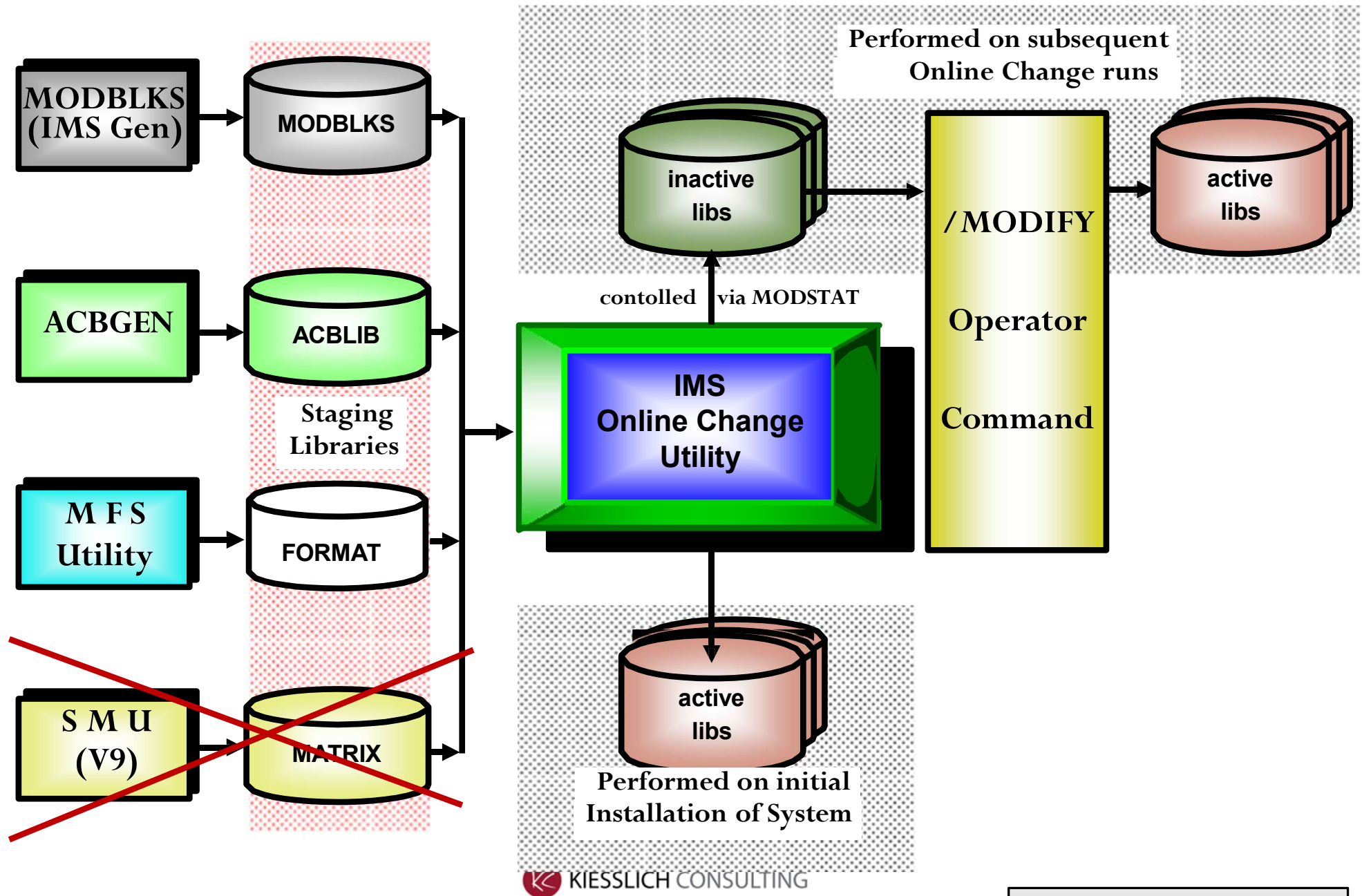

```

2  //MODSTAT   EXEC  PROC=INITMOD,SOUT='*'
    ***
    ****
    ***
    ***
    ***                                CONTENTS OF DFSMREC
    ***                                0 ,MODBLKSA ,IMSACBA ,FORMATA
    ***
    ***
    ****
    ***

3 XX          PROC SYS=,SYS2=,SF=,SOUT=A
4 XXINIT1     EXEC  PGM=IEBGENER
5 XXSYSPRINT DD SYSOUT=&SOUT
    IEF653I SUBSTITUTION JCL - SYSOUT=*
6 XXSYSUT2    DD DSN=IMS.&SYS.MODSTAT&SF,DISP=OLD
    IEF653I SUBSTITUTION JCL - DSN=IMS.MODSTAT,DISP=OLD
7 XXSYSIN     DD DUMMY
8 XXSYSUT1    DD DISP=SHR,
XX            DSN=IMS.&SYS2.PROCLIB(DFSMREC)
    IEF653I SUBSTITUTION JCL - DSN=IMS . PROCLIB (DFSMREC)

```

IV3E318J: Copy Staging Libraries overview



IV3E318J: Copy Staging Libraries JCL (1 of 2)

```

      ***
      ***          COPY MODBLKS TO MODBLKSA
      ***
2 //MODBLKS  EXEC PROC=OLCUTL,SOUT='*',TYPE=MODBLKS,IN=S,OUT=A
      ***
      *** COPY MATRIX TO MATRIXA
      ***
3 XX          PROC  TYPE=,IN=,OUT=,SOUT=A,SYS=,SYS2=
4 XXS          EXEC  PGM=DFSUOCU0,PARM=(&TYPE,&IN,&OUT)
      IEF653I SUBSTITUTION JCL - PGM=DFSUOCU0,PARM=(MODBLKS,S,A)
5 XXSTEPLIB DD DSN=IMS.&SYS2.SDFSRESL,DISP=SHR IEF653I
      SUBSTITUTION JCL - DSN=IMS.ADFSRESL,DISP=SHR
6 XXMODBLKS DD DSN=IMS.&SYS2.MODBLKS,DISP=SHR IEF653I
      SUBSTITUTION JCL - DSN=IMS.MODBLKS,DISP=SHR
7 XXMODBLKSA DD DSN=IMS.&SYS2.MODBLKSA,DISP=SHR IEF653I
      SUBSTITUTION JCL - DSN=IMS.MODBLKSA,DISP=SHR
8 XXMODBLKSB DD DSN=IMS.&SYS2.MODBLKSB,DISP=SHR IEF653I
      SUBSTITUTION JCL - DSN=IMS.MODBLKSB,DISP=SHR
9 XXIMSACB DD DSN=IMS.&SYS2.ACBLIB,DISP=SHR
      IEF653I SUBSTITUTION JCL - DSN=IMS.ACBLIB,DISP=SHR
10 XXIMSACBA DD DSN=IMS.&SYS2.ACBLIBA,DISP=SHR IEF653I
      SUBSTITUTION JCL - DSN=IMS.ACBLIBA,DISP=SHR
11 XXIMSACBB DD DSN=IMS.&SYS2.ACBLIBB,DISP=SHR IEF653I
      SUBSTITUTION JCL - DSN=IMS.ACBLIBB,DISP=SHR

```

IV3E318J: Copy Staging Libraries JCL (2 of 2)

```
***  
***          COPY ACBLIB TO ACBLIBA  
***  
2 //ACBLIB EXEC PROC=OLCUTL,SOUT='*',TYPE=ACB,IN=S,OUT=A  
***  
*** COPY MATRIX TO MATRIBA  
***  
3 XX          PROC TYPE=,IN=,OUT=,SOUT=A,SYS=,SYS2=  
4 XXS          EXEC PGM=DFSUOCU0,PARM=(&TYPE,&IN,&OUT)  
   IEF653I SUBSTITUTION JCL - PGM=DFSUOCU0,PARM=(MODBLKS,S,A)  
5 XXSTEPLIB DD DSN=IMS.&SYS2.SDFSRESL,DISP=SHR IEF653I  
   SUBSTITUTION JCL - DSN=IMS.SDFSRESL,DISP=SHR  
6 XXMODBLKS DD DSN=IMS.&SYS2.MODBLKS,DISP=SHR IEF653I  
   SUBSTITUTION JCL - DSN=IMS.MODBLKS,DISP=SHR  
7 XXMODBLKSA DD DSN=IMS.&SYS2.MODBLKSA,DISP=SHR IEF653I  
   SUBSTITUTION JCL - DSN=IMS.MODBLKSA,DISP=SHR  
8 XXMODBLKSB DD DSN=IMS.&SYS2.MODBLKSB,DISP=SHR IEF653I  
   SUBSTITUTION JCL - DSN=IMS.MODBLKSB,DISP=SHR  
9 XXIMSACB DD DSN=IMS.&SYS2.ACBLIB,DISP=SHR  
   IEF653I SUBSTITUTION JCL - DSN=IMS.ACBLIB,DISP=SHR  
10 XXIMSACBA DD DSN=IMS.&SYS2.ACBLIBA,DISP=SHR IEF653I  
   SUBSTITUTION JCL - DSN=IMS.ACBLIBA,DISP=SHR  
11 XXIMSACBB DD DSN=IMS.&SYS2.ACBLIBB,DISP=SHR IEF653I  
   SUBSTITUTION JCL - DSN=IMS.ACBLIBB,DISP=SHR
```

IV3E318J: Copy Staging Libraries output

·
·
·
- **COPY OUTDD=MODBLKSA, INDD=MODBLKS**

IEB167I FOLLOWING MEMBER(S) COPIED FROM INPUT DATA SET REFERENCED BY MODBLKS -
IEB154I DFSDDIRD HAS BEEN SUCCESSFULLY COPIED
IEB154I DFSISDBD HAS BEEN SUCCESSFULLY COPIED
IEB154I DFSPDIRD HAS BEEN SUCCESSFULLY COPIED
IEB144I THERE ARE 0000013 UNUSED TRACKS IN OUTPUT DATA SET REFERENCED BY MODBLKSA
IEB149I THERE ARE 0000045 UNUSED DIRECTORY BLOCKS IN OUTPUT DIRECTORY
IEB147I END OF JOB -00 WAS HIGHEST SEVERITY CODE

·
·
·
- **COPY OUTDD=IMSACBA, INDD=IMSACB**

IEB167I FOLLOWING MEMBER(S) COPIED FROM INPUT DATA SET REFERENCED BY IMSACB -
IEB154I DFHSAM04 HAS BEEN SUCCESSFULLY COPIED
IEB154I DFHSAM05 HAS BEEN SUCCESSFULLY COPIED
·
·
·

IMS DB/DC (DBT)

Execution

Help

Execution (LST Mode) - DBT

Row 104 to 120 of 215

Command ==>

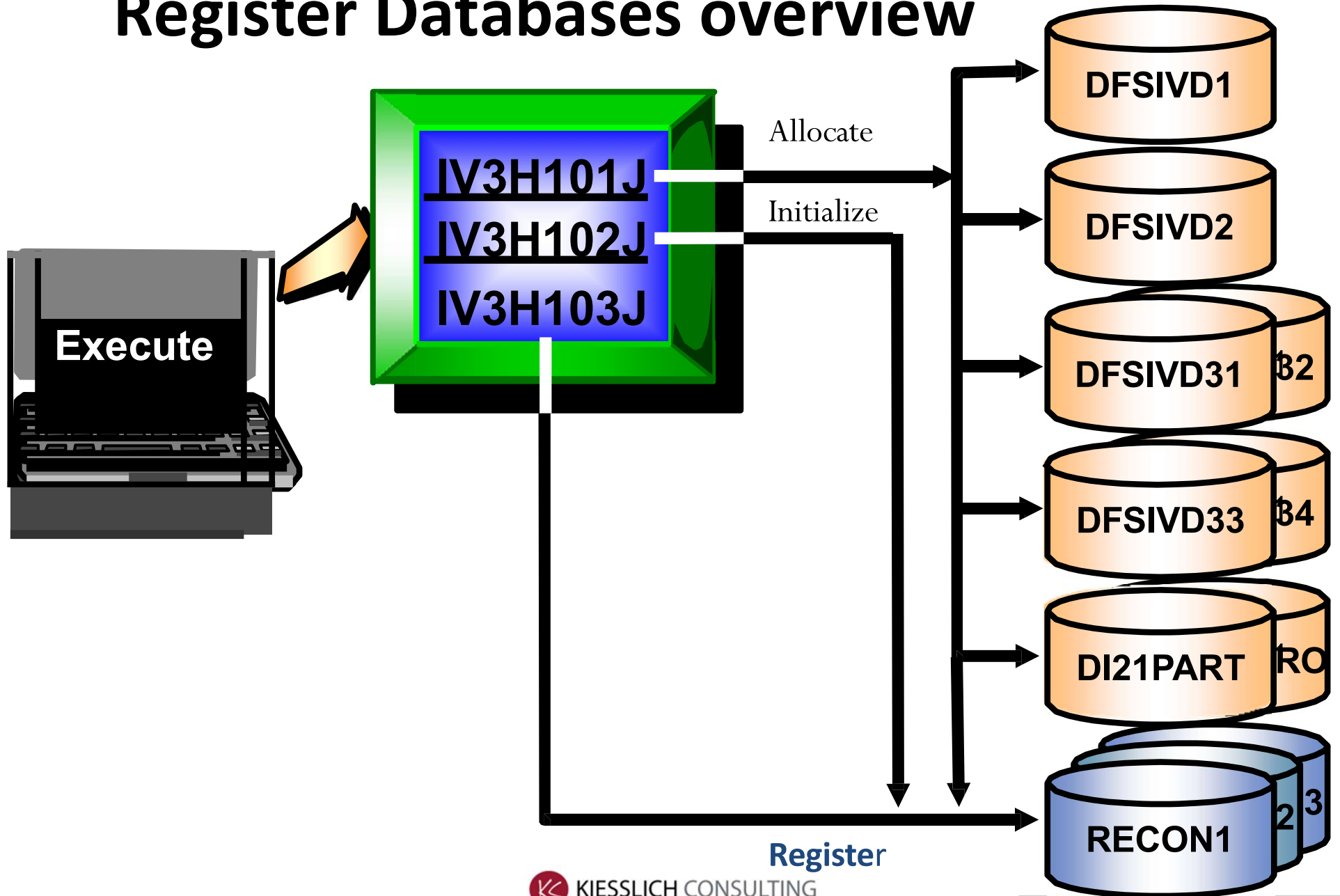
Scroll ==> CSR

Action Codes: Brm Doc Edm eNt eXe spR

JOB/Task	Step	Title.....
IV3H001T	H0	<u>NOTE - Step Introduction - IVP Execution - "DBT"</u>
IV3H101J	H1	JOB - Allocate Data Sets
IV3H102J	H1	JOB - Initialize RECON
IV3H103J	H1	JOB - Register Data Bases
IV3H104J	H1	JOB - Data Base Initial Load
IV3H105J	H1	JOB - Batch Image Copy
IV3H106T	H1	MVS - Clear MVS DUMPXX Data Sets
IV3H201J	H2	JOB - Start IRLM
IV3H203J	H2	JOB - Start DB/DC Region IVP1
IV3H204T	H2	IVP1 - Cold Start IMS
IV3H205T	H2	IVP1 - Review MTO Operator Commands
IV3H206T	H2	USER - Review User Operator Commands
IV3H207J	H2	JOB - FP BMP - DEDB Load
IV3H208J	H2	JOB - FF BMP - Online Image Copy
IV3H209J	H2	JOB - Concurrent Image Copy
IV3H210J	H2	JOB - FF BMP - HIDAM Update
IV3H211J	H2	JOB - FF BMP - HDAM Update

.
. .
. .

Allocate data sets / Initialize RECONs / Register Databases overview



IV3H101J: Allocate Data Sets JCL

```
.  
.  
/* SCRATCH AND REALLOCATE VSAM DATA BASE DATA SETS  
/*          DATA BASE      DI21PART  
/*  
//SCRATCH  EXEC PGM=IDCAMS  
//SYSPRINT DD SYSOUT=*  
//SYSIN    DD *  
/*  
//ALLOCATE EXEC PGM=IDCAMS  
//SYSPRINT DD SYSOUT=*  
//SYSIN    DD *  
/*  
/* SCRATCH AND REALLOCATE THE DBRC RECON DATA SETS  
/*  
//SCRATCH  EXEC PGM=IDCAMS  
//SYSPRINT DD SYSOUT=*  
//SYSIN    DD *  
/*  
//ALLOCATE EXEC PGM=IDCAMS  
//SYSPRINT DD SYSOUT=*  
//SYSIN    DD *
```

```
.  
.  
.
```


IV3H101J: Allocate Database Data Sets

input (1 of 2)

```

DEFINE CLUSTER(
    NAME(IMS.DI21PART)
    INDEXED
    KEYS(17 06)
    FREESPACE(10 10)
    RECORDSIZE(582 582)
    SHAREOPTIONS(3 3)
    IMBED REPLICATE
    SPEED
    UNIQUE
    VOLUMES(SYSDA)
    CYLINDERS(3)
)
DATA(
    NAME(IMS.DI21PART.DATA)
    CONTROLINTERVALSIZE(4096)
)
INDEX(
    NAME(IMS.DI21PART.INDX)
    CONTROLINTERVALSIZE(4096)
)

```

IV3H101J: Allocate Database Data Sets

input (2 of 2)

```

DEFINE CLUSTER(
    NAME (IMS.DI21PARO)
    NONINDEXED
    FREESPACE (10 10)
    RECORDSIZE (582 582)
    SHAREOPTIONS (3 3)
    UNIQUE
    VOLUMES (SYSDA)
    CYLINDERS (03)
    CONTROLINTERVALSIZE (4096)
)
DATA (
    NAME (IMS.DI21PARO.DATA)
)

```

IV3H101J: Allocate RECON1 Data Sets input

```
•  
•  
• DEFINE CLUSTER(                               . -  
• NAME(IMS.RECON1) FREESPACE(20 20) INDEXED  
• KEYS(32 0)                                     -  
• RECORDSIZE(4086 32600)                        -  
• SHAREOPTIONS(3 3) RECOVERY                    -  
• NOERASE NOREUSE UNORDERED UN                -  
• VOLUMES(DBDC01)  
• CYL(3 1)  
• ) DATA(  
• NAME(IMS.RECON1.DATA)  
• ) INDEX(  
• NAME(IMS.RECON1.INDX)  
• )  
•  
•  
•  
•  
•
```



SMS
is not
recommended
for RECONS

IV3H102J: Initialize RECON input to DBRC Utility

```
.  
.  
//D          EXEC PGM=DSPURX00  
//STEPLIB    DD DISP=SHR,DSN=IMS.SDFSRESL  
//SYSPRINT   DD SYSOUT=*  
//SYSUDUMP   DD SYSOUT=*  
//IMS        DD DISP=SHR,DSN=IMS.DBDLIB  
//JCLPDS     DD DISP=SHR,DSN=IMS.JCLLIB  
//JCLOUT     DD SYSOUT=(A,INTRDR)  
//D.SYSIN    DD *
```

INIT.RECON

CATDS

LISTDL

NOFORCER

CHECK44

NONEW

LOGRET('000 12.00')

DASDUNIT(3390)

TAPEUNIT(3400)

LISTDL

LIST.RECON

IV3H102J: Initialize RECON output (1 of 2)

IMS VERSION 15 RELEASE 1 DATA BASE RECOVERY CONTROL

PAGE 0001

INIT.RECON -
CATDS -
NOFORCER -
CHECK44 -
NONEW -
LOGRET('000 12.00') -
DASDUNIT(3390) -
TAPEUNIT(3400) -
LISTDL

DSP0203I COMMAND COMPLETED WITH CONDITION CODE 00

DSP0220I COMMAND COMPLETION TIME 23.198 14:43:26.8

IMS VERSION 15 RELEASE 1 DATA BASE RECOVERY CONTROL

PAGE 0002

LIST.RECON

23.198 14:43:21.697527

LISTING OF RECON

PAGE 0003

RECON

RECOVERY CONTROL DATA SET, IMS V15R1

DMB#=0 INIT TOKEN=10128F1243244F

NOFORCER LOG DSN CHECK=CHECK44 STARTNEW=NO

TAPE UNIT=TAPE DASD UNIT=3390 TRACEOFF SSID=**NULL**

LIST DLOG=YES CA/IC/LOG DATA SETS CATALOGED=YES

MINIMUM VERSION = 14.1 CROSS DBRC SERVICE LEVEL ID= 00001

REORG NUMBER VERIFICATION=NO

LOG RETENTION PERIOD=00.000 12:00:00.0

COMMAND AUTH=NONE HLQ=**NULL**

ACCESS=SERIAL LIST=STATIC

SIZALERT DSNUM=15 VOLNUM=16 PERCENT= 95

LOGALERT DSNUM=3 VOLNUM=16

IV3H102J: Initialize RECON output (2 of 2)

----- OUTPUT CONTINUES -----

TIME STAMP INFORMATION:

TIMEZIN = %SYS

OUTPUT FORMAT: DEFAULT = LOCORG NONE PUNC YY
 CURRENT = LOCORG NONE PUNC YY

IMSPLEX = ** NONE ** GROUP ID = ** NONE **

-DDNAME-	-STATUS-	-DATA SET NAME-
RECON1	COPY1	IMS.RECON1
RECON2	COPY2	IMS.RECON2
RECON3	SPARE	IMS.RECON3

0DSP0127I NO LOG DATA SETS DEFINED IN RECON
0DSP0260I NO ONLINE LOG RECORDS FOUND IN RECON
0DSP0260I NO INTERIM RLDS/SLDS RECORDS FOUND IN RECON
0DSP0260I NO INT-ONLINE LOG RECORDS FOUND IN RECON
0DSP1004I NO GSG RECORDS FOUND IN RECON
0DSP0172I NO SUBSYSTEM RECORDS FOUND IN RECON
0DSP0177I NO BACKOUT RECORDS DEFINED IN RECON
0DSP0128I NO CHANGE ACCUMULATION GROUPS DEFINED IN RECON
0DSP0093I NO DBDSGRP RECORD FOUND IN RECON
0DSP0170I NO DATA BASE RECORDS FOUND IN RECON
0DSP0180I NUMBER OF RECORDS LISTED IS 1
1 IMS VERSION 15 RELEASE 1 DATA BASE RECOVERY CONTROL
0DSP0203I COMMAND COMPLETED WITH CONDITION CODE 00
0DSP0220I COMMAND COMPLETION TIME 23.198 14:43:28.000000

PAGE 0004

IV3H103J: Register Databases

```
.  
.
//D          EXEC PGM=DSPURX00
//STEPLIB    DD DISP=SHR,DSN=IMS.SDFSRESL
//SYSPRINT   DD SYSOUT=*
//SYSUDUMP   DD SYSOUT=*
//IMS        DD DISP=SHR,DSN=IMS.DBDLIB
//JCLPDS     DD DISP=SHR,DSN=IMS.JCLLIB
//JCLOUT     DD SYSOUT=(A,INTRDR)
//D.SYSIN    DD *

INIT.DB      DBD(DI21PART) SHARELVL(2) TYPEIMS

INIT.DBDS    DBD(DI21PART) DDN(DI21PART)          -
              DSN(IMS.DI21PART)                  -
              RECOVPD(5) GENMAX(5)

INIT.DBDS    DBD(DI21PART) DDN(DI21PARO)          -
              DSN(IMS.DI21PARO)                   -
              RECOVPD(5) GENMAX(5)
```

Upgrade DBRC RECON to new Version

```
//RECONUP JOB ,SYSPROG,MSGCLASS=V,CLASS=A,  
//  MSGLEVEL=(1,1),NOTIFY=&SYSUID,REGION=4096K  
//*****  
//*  
//UPGRADE  EXEC  PGM=DSPURX00  
//STEPLIB  DD  DISP=SHR,DSN=IMS.SDFSRESL  
//*  
//SYSPRINT DD  SYSOUT=*  
//RECON1   DD  DISP=SHR,DSN=IMS.RECON1  
//RECON2   DD  DISP=SHR,DSN=IMS.RECON2  
//SYSIN    DD  *  
CHANGE.RECON UPGRADE  
/*
```

*New IMS Version
(the „upgrade – to“ level) RESLIB library*

existing RECON copy 1

existing RECON copy 2

IV3H104J: Database Initial Load JCL

```
.  
. .  
//DI21PART EXEC PROC=DLIBATCH,SOUT='*',  
//          MBR=DFSSAM01,PSB=DFSSAM01,  
//          DBRC=N,IRLM=N  
//G.IEFRDER  DD DUMMY,UNIT=3390  
//G.IEFRDER2 DD DUMMY,UNIT=3390  
//DI21PART  DD DISP=OLD,DSN=IMS.DI21PART  
//DI21PARO  DD DISP=OLD,DSN=IMS.DI21PARO  
//DFSVSAMP  DD *  
//*  
//INPUT     DD DISP=SHR,  
//          DSN=IMS.DFSISRC(MFDFSYSN)  
//*  
//DFSSTAT   DD SYSOUT=*  
//*  
//SYSOUT    DD SYSOUT=*
```

IV3H104J: Database Initial Load DFSSTAT (Statistics) output (1 of 2)

DFSSTAT Output:

```

.
.
.
*** PST ACCOUNTING STATISTICS ***
DB GU CALLS          0
DB GN CALLS          0
DB GNP CALLS         0
DB GHU CALLS         0
DB GHN CALLS         0
DB GHNP CALLS        0
DB ISRT CALLS        289
DB DLET CALLS        0
DB REPL CALLS        0
DB CALLS (TOTAL)     289
MSG GU CALLS         0
MSG GN CALLS         0
MSG ISRT CALLS       0
MSG PURGE CALLS      0
.
.
.
```

IV3H104J: Database Initial Load DFSSTAT

(Statistics) Output (2 of 2)

```
*** VSAM BUFFER POOL STATISTICS ***  
SUBPOOL BUFFER SIZE                                4,096  
TOTAL BUFFERS IN SUBPOOL                             5  
RETRIEVE BY RBA CALLS                               12  
RETRIEVE BY KEY CALLS                               0  
LOGICAL RECORDS INSERTED INTO ESDS                  24  
LOGICAL RECORDS INSERTED INTO KSDS                   0  
LOGICAL RECORDS ALTERED IN THIS SUBPOOL              10  
TIMES BACKGROUND WRITE FUNCTION INVOKED              0  
SYNCHRONIZATION CALLS RECEIVED                      2  
VSAM GET CALLS ISSUED                               25  
VSAM SCHBFR CALLS ISSUED                             0  
CONTROL INTERVAL REQUESTED ALREADY IN POOL          23  
*CONTROL INTERVAL READ FROM EXTERNAL STORAGE         3  
*VSAM WRITES INITIATED BY IMS                        4  
*VSAM WRITES TO MAKE SPACE IN THE POOL               0  
  PERM WRT ERROR BUFFS NOW IN THE SUBPOOL            0  
  LARGEST NUMB OF PERM ERR BUFFS EVEN IN THE SUBPOOL 0  
*TOTAL I/O OPERATIONS                               7
```