

Database Control Suite 565510800 Version 3 Release 2 SPE APAR PM49856

The following items are included in IMS™ Database Control Suite (5655F0800) Special Programming Enhancement APAR PM49856.

1. Support for IMS Tools Knowledge Base Report Service for eligible tools
2. Launch IMS Tools Knowledge Base primary menu from DBCS
3. Support for TOSI options for eligible tools
4. Support for IMS High Performance Image Copy's Advanced Copy Services
5. Support for the DBRC REORGV keyword
6. Support for threshold table display sort on panel IDLMXDS1
7. Updated DBRC LIST.DBDS processing to behave like LIST.DB
8. Combined the Full Function and HALDB Installation Verification Procedure job streams
9. Reorganized the main menu
10. Support for Fast Path Advanced Tools and Fast Path Secondary Index builder for IMS V12
11. Support for the IMS Database Reorg Expert CONDREORG control statement
12. Replaced copyright panel with pop-up copyright panel
13. Support for optional Delete/Define and JCL “//IF” and “//ENDIF” statements

Errors fixed:

1. Corrected IDL\$SYS and IDL\$ENVS help panel navigation
2. Corrected panel IDLSOPT to force the user to enter a low level qualifier when it is blank and SMS=* has been entered

1. Support for IMS Tools Knowledge Base Report Service for eligible tools

The following tools' JCL has been updated to include IMS Tools Knowledge Base (also referred to as IMS Tools KB) STEPLIB and control statements.

- IMS High Performance Pointer Checker
- IMS High Performance Image Copy
- IMS High Performance Unload – (available only in IMS Databases Reorg Expert)
- IMS High Performance Load
- IMS Index Builder
- IMS Database Reorg Expert (old IMS Parallel Reorganization)
- IMS Recovery Solution Pack
- Database Recovery Facility

Example for HP Pointer Checker:

```
//HPPC EXEC PGM=FABPMAIN
// :
// :
//PROCCTL DD *
PROC TYPE=ALL,ITKBSRVR=FPQSVRSM,
ITKBLOAD=IMSTOOLS.ITKB110.SHKTLOAD
DATABASE DB=HD01,DD=HDAMDS1
/*
```

Also 3 new IMS Tools KB jobs have been added to the job list

```
IDL$JBL5          IMS DB CONTROL SUITE V3.2 - PM49856          matches
ALL JOBS          function for CS ID CSV10 IMS Version 10.1
Command ==>>>

Press END to exit

ALL JOBS  job list for DBDSGRP  A005G
USERID for jobname . . . (Y or N)          USERID jobname suffix . .
Edit last job built . . N (Y or N)
Alternate DBDLIB . .
User JCLPDS library . .

Select (S) Choose one job from the list below.
JOBNAME  ALTNAME  DESCRIPTION
A005IND  REGISTER DATABASES WITH THE RECON
A005CHDB  UPDATE RECON REGISTERED DATABASE RECORDS
A005CHDS  UPDATE RECON REGISTERED DATABASE DATA SET RECORDS
s A005ITRI  REGISTER IBM PRODUCTS TO ITKB USING ITKB DEFAULTS
A005ITRU  REGISTER USER PRODUCTS TO ITKB
A005ITRR  REGISTER USER PRODUCT REPORTS TO ITKB
***** Bottom of data *****
```

Register IBM® products to IMS Tools KB by using IMS Tools KB defaults data entry pop-up panel

```
IDL$JBL5                IMS DB CONTROL SUITE V3.2 - PM49856
-----
| IDLSOP1G ==>
|
| Press ENTER to continue or END to exit.
|
| Specify products to register to ITKB
|
| ITKB Product ID   . . IB (DR,DC,DI,DL,DP,DU,DA,DX or DF)
|
| Product Release   . . 040100 VVRRMM
|                   (Version, release, mod level)
|
| Add more products . . Y      Y or N
|
-----
S A05ITRI           REGISTER IBM PRODUCTS TO ITKB USING ITKB DEFAULTS
A05ITRU           REGISTER USER PRODUCTS TO ITKB
A05ITRR           REGISTER USER PRODUCT REPORTS TO ITKB
***** Bottom of data *****
```

Valid IMS Tools KB default product IDs supported by DBCS are:

- DR IMS Database Recovery Facility
- DC IMS HP Change Accumulation
- DI IMS HP Image Copy
- DL IMS HP Load
- DP IMS HP Pointer Checker
- DU IMS HP Unload
- DA IMS Database Reorg Expert
- DX IMS Index Builder
- DF IMS Fast Path Advanced

Register user products to IMS Tools KB pop-up panel

```
IDL$JBL5          IMS DB CONTROL SUITE V3.2 - PM49856
-----
IDLSOP1H ==>
Press ENTER to continue or END to exit.
Specify user products to register to ITKB
User Product ID . . IB
Long name      . .
Short name     . .
Add more prods . . Y      Y or N
-----
S A005ITRU          REGISTER USER PRODUCTS TO ITKB
A005ITRR          REGISTER USER PRODUCT REPORTS TO ITKB
***** Bottom of data *****
```

Register user product reports to IMS Tools KB pop-up panel

```
IDL$JBL5          IMS DB CONTROL SUITE V3.2 - PM49856
-----
IDLSOP1I ==>
Press ENTER to continue or END to exit.
Specify products to register to ITKB
User ITKB Product ID . . IB
User Report ID      . .
Short title         . .
Add more products   . . Y      Y or N
-----
on 10.1
name suffix .
ECORDS
ATA SET RECORDS
G ITKB DEFAULTS
-----
S A005ITRR          REGISTER USER PRODUCT REPORTS TO ITKB
***** Bottom of data *****
```

2. Launch IMS Tools KB primary menu from DBCS

New main menu showing IMS Tools KB and also Policy Sensor, IMS Hardware Data Compression Extended & InfoSphere Guardium Data Encryption Tool launch options.

```
IDLP00          IMS DB CONTROL SUITE V3.2 - PM49856
                for CS ID CSV11 IMS Version 12.1

Command ==>>

Select a task or press END to exit

Tasks      . .   1. Set up environment
                2. Run jobs
                3. Maintain RECON
                4. System administration
                ISPF links to other IMS tools
                  A. IMS library integrity checking
                  B. IMS HP Pointer Checker: IMS Database Repair Facility
                  C. IMS HP Change Accum
                  D. IMS HALDB Toolkit
                  E. IMS Command Control Facility
                  F. Tools Base: IMS Tools Knowledge Base
                  G. Tools Base: Policy Services
                  H. Tools Base: IMS Hardware Data Compression Extended
                  I. Infosphere Guardium Data Encryption
```

Adding the new products' load libraries to DBCS

```
IDL$IHPI        IMS DB CONTROL SUITE V3.2 - PM49856
SETUP          IMS TOOLS          function for CS ID CSV12 IMS Version 12.1
Command ==>>

Press ENTER to continue or END to exit                                Panel 1 of 2

Product name          Load library name or 'N' if not
installed
IMS HP Image Copy     . . IMSTOOL.TBV1R1.IRSP11.SHPSLMD0
IMS HP Unload         . . IMSTOOL.HPUL12.FAB.SHPSLMD0
IMS HP Load           . . IMSTOOL.HPLD21.FAB.SHPSLMD0
IMS Database Reorg Expert . . IMSTOOL.IPR32.HPS.SHPSLMD0
IMS HP Prefix Resolution . . IMSTOOL.HPPR31.FAB.SHPSLMD0
IMS Index Builder     . . IMSTOOL.IB31.IIU.SIIULMOD
IMS HP Pointer Checker . . IMSTOOL.HPPC31.HPS.SHPSLMD0
IMS Library Integrity Utilities . . IMSTOOL.LIU21.FAB.SHPSLMD0
IMS Online Reorg Facility . . IMSTOOL.ORF12.FOI.SFOILOAD
IMS High Performance Fast Path Utilities
Fast Path Basic Tools . . IMSTOOL.FPB.FAB.SHPSLMD0
Fast Path Advanced Tool . . N
IMS Recovery Solution Pack Features
IMS Database Recovery Facility . . IMSTOOL.DRF31.FRX.SFRXRESL
IMS Tools Base Features
IMS Tools Online Sys Interface . . IMSBLD.HAHN210.SBSNLOAD
IMS Tools Knowledge Base . . IMSTOOL.BSP110.SHKTLOAD
```

Adding the new products' REXX libraries to DBCS

```
IDL$IHPA          IMS DB CONTROL SUITE V3.2 - PM49856
SETUP    IMS TOOLS          function for CS ID CSV12 IMS Version 12.1
Command ==>

Press ENTER to continue or END to exit                               Panel 2 of 2

REXX/CLIST libraries required to launch ISPF links to other products
Product name                Library name or 'N' if not installed
IMS HALDB Toolkit           . . IMSTOOL.HAL32.IHC.SIHCLOAD
IMS Command Control Facility . . IMSTOOL.CCF21.CCF.SCCFEXEC
Infosphere Guardium Data Enchr . . IMSTOOL.DEC11.SDECCEXE
IMS HP Change Accum         . . IMSTOOL.HPCA14.HPC.SHPCCEXE
IMS HP Pointer Checker Features
IMS Database Repair Facility . . IMSTOOL.DBR31.FAB.SFABCLIB
IMS Tools Base Features
IMS Tools KB REXX library   . . IMSTOOL.HKT120CP.SHKTCEXE
IMS Tools KB server         . . GGJFPQSR
Policy Services             . . IMSTOOL.IRSP11.TB11.SHKTCEXE
IMS Hardware Data Compression . . IMSTOOL.TBV1R1.SHCOCEXE
```

3. Support for TOSI options for eligible tools

A TOSI load library has been added to the STEPLIB of the following tools.

- IMS HP Image Copy
- IMS Recovery Solution Pack: Database Recovery Facility
- IMS Database Reorganization Expert (formerly IMS Parallel Reorganization)
- IMS Online Reorg Facility
- IMS Fast Path Solution Pack

4. Support for IMS High Performance Image Copy's Advanced Copy Services

```
IDLSOPT3          IMS DB CONTROL SUITE V3.2 - PM49856
SETUP COLLECT    function for CS ID CSV10 IMS Version 10.1
Command ==>

Press ENTER to continue or END to exit          Panel 3 of
3

Specify user GENJCL parms . . N      (Y or N)

Global Image Copy Options for DBDSGRP . . A007G
First IC DSNs hlq . . IMTOOL1.GGJ.V10
  Device type . . SYSDA (SYSDA, TAPE, ATL2, other)
  Media type . . D (D=DASD, T=Tape)
Second IC DSNs hlq . .
  Device type . . (SYSDA, TAPE, ATL2, other)
  Media type . . (D=DASD, T=Tape)
IC middle qualifiers . . 2 (1=DDN, 2=DBD.DDN)
IC low-level qualifier . . (name, $TIME, nn.$TIME)
GDG/SMS . . G (G=GDG, *=SMS)
Tape retention period . . 99 Tape data set vol count . .
Online Image Copy Options . . N (Y OR N - if OIC is going to be used)
Advanced Copy Services . . 3 1 - DFSSdss DUMP, 2 - Fast Recovery
                             3 - Snapshot/Flashcopy
```


5. Support for the DBRC REORGV keyword

```
IDLRCREF          IMS DB CONTROL SUITE V3.2 - PM49856
RECON  CHANGE  REL. V12R1  function for CS ID FP  IMS Version 12.1
Command ==>>>

Press ENTER to continue or END to exit

RECON1  COPY1      IMSTESTL.IMS.RECON1
RECON2  COPY2      IMSTESTL.IMS.RECON2
RECON3  SPARE      IMSTESTL.IMS.RECON3

More:  - +
MINIMUM VERSION.  . . 11.1          (Lowest ver: 8.1, 9.1, 10.1, 11.1,
12.1)
NOCHECK/CHECK17.etc. . CHECK17      (Verify last n characters in RECON)
REORGV/NOREORGV  . .                (HALDB partition reorg number)
                                   (verification enablement - Y or N)
SSID          . . IMS1              (IMS subsystem ID)
STARNEW/NONEW . . NONEW            (Jobs start when less than 2 RECONS)
TAPEUNIT      . . 3400              (TAPE unit type)
TRACEON/TRACEOFF . . TRACEOFF      (External Tracing)
UPGRADE       . . N                 (Upgrade version of RECON - Y or N)
Number of data sets. . 15           (Number of SIZALERT PRILOG data sets)
Number of volumes . . 16           (Number of SIZALERT PRILOG volumes)
Percentage    . . 95                (Percentage that triggers SIZALERT
msg.)
```

```
IDLRLI2B          IMS DB CONTROL SUITE V3.2 - PM49856          572
matches
ALLDBDS  RECON          SELECTION  function for CS ID FP          IMS Version 12.1
Command =====>>>          Scroll =====>>>  PAGE

Press ENTER to continue or END to exit

Enter F string on the ISPF command line to display commands with that string
in the description field. Enter F without a string to display all commands.

DBDNAME  . . ALLDBDS

Select (S) or help (H)
COMMAND  DESCRIPTION
CPRIRL12 CHANGE.PRILOG, CHANGE A PRIMARY LOG RECORD (RLDS), V12
CPRISL12 CHANGE.PRILOG, CHANGE A PRIMARY LOG RECORD (SLDS TSLDS), V12
CRECNV12 CHANGE RECON WITH REORGV KEYWORD, V12
CRECON12 CHANGE.RECON, MODIFY THE RECON, V12
CSECOL12 CHANGE.SECLOG, CHANGE A SECONDARY LOG RECORD (OLDS), V12
CSECRL12 CHANGE.SECLOG, CHANGE A SECONDARY LOG RECORD (RLDS), V12
CSECSL12 CHANGE.SECLOG, CHANGE A SECONDARY LOG REC (SLDS TSLDS) V12
CSG12    CHANGE.SG, CHANGE SERVICE GROUP, V12
CSUBSY12 CHANGE.SUBSYS, CHANGE A SUBSYSTEM RECORD, V12
DADS12   DELETE.ADS, DELETE THE AREA DATASET, V12
DALLOC12 DELETE.ALLOC, DELETE AN ALLOCATION RECORD, V12
```

Generated LIST.RECON command with REORGV=Y:

```
=====
LIST.RECON STATUS
CHANGE.RECON REORGV +
ACCESS(SERIAL) NOCATDS DASDUNIT(SYSALLDA) DUAL +
NOFORCER LIST(STATIC) LISTDL CHECK17 +
LOGRET('001 00:00:00.0') SSID(IMS1) +
NONEW MINVERS('11.1') +
TAPEUNIT(3400) TRACEOFF CMDAUTH(NONE) +
SIZALERT(15,16,95) +
LOGALERT(3,16) +
TIMEZIN(%SYS,PERM) TIMEFMT(O,N,P,2,PERM)
LIST.RECON STATUS
=====
```

6. Support for the threshold table display sort on panel IDLMXDS1

Databases exceeding DBCS user defined thresholds are now sorted to the top of the displayed table. New panel example shows SMPORDP1 exceeding the OO defined EXT by 1 sorted to the top of the table (in red text).

```

IDLMXDS1          IMS DB CONTROL SUITE V3.2 - PM49856          Row 1 from 6
MONITOR LIST DBS  function for CS ID CSV11 IMS Version 12.1
Command ==>>>

Press ENTER to display next panel or END to exit

Database statistics for DBDSGRP . . A004G
Last report collected on . . . . . DATE: 03/04/2011  TIME: 11.11.58

Browse Space Analysis Report . . N          (Y or N)
Browse SPMN messages . . N          (Y or N)
Browse SPMN Exception Report . . N          (Y or N)

--Splits--  -----%Space-----  -- SYN
DEBNAME  DDNAME  DBORG  ACC  EXT  CA      CI  FRE  NRE  IMB  OVFL  HOM  OVFL  CHN
SMPORDP1 SMPORD1P HIDAM  OSAM   1  N/A    N/A  99  N/A    N/A
Threshold criteria defined . 00
SMPPAYP1 SMPPAY1P HDAM   ESDS   1  N/A    N/A  54  N/A    N/A
Threshold criteria defined . 09
SMPORDX1 SMPORD1X INDEX  KSDS   1  N/A    N/A   0  N/A    N/A
Threshold criteria defined . 50 050  050  010
SMPORDY1 SMPORD1Y INDEX  KSDS   1  N/A    N/A   0  N/A    N/A
Threshold criteria defined . 50 050  050  010
SMPORDY2 SMPORD2Y INDEX  KSDS   1  N/A    N/A   0  N/A    N/A

```

7. Updated DBRC LIST.DBDS processing to behave like LIST.DB

New panel flow:

New List DBDS panel sequence and PFK3 process.

```
IDLRLI2B          IMS DB CONTROL SUITE V3.2 - PM49856          113
matches
ALLDBDS RECON    SELECTION function for CS ID CSV11          IMS Version 12.1
Command =====>                                         Scroll =====> PAGE

Press ENTER to continue or END to exit

Enter F string on the ISPF command line to display commands with that string
in the description field. Enter F without a string to display all commands.

DBDNAME . . ALLDBDS

Select (S) or help (H)
COMMAND DESCRIPTION
LCAGRP12 LIST.CAGRP, LIST CAGRP RECORDS IN RECON, V12
LDBDSG12 LIST.DBDSGRP, LIST DBDSGRP RECORDS, V12
LDBD12   LIST.DB, LIST DBS INCLUDING DBDSES OR BY TYPE, V12
S LDBS12 LIST.DBDS, LIST DATA SETS BY DBD OR GROUP, V12
LGSG12  LIST.GSG, LIST GLOBAL SERVICE GROUP, V12
LHISTC12 LIST.HISTORY CAGRP, LIST THE HISTORY OF THE GROUP, V12
LHISTD12 LIST.HISTORY DBD, INCLUDING LIST.DBD AND LIST.DBDS, V12
LHIST12 LIST.HISTORY DBDSGRP, LIST GROUP HISTORY, V12
LLOGP12 LIST.LOG, PRILOG BY STARTDATE, SSID, AND GSG, V12
LLOG12  LIST.LOG, INFORMATION FROM ALL THE LOGS, V12
LRECON12 LIST.RECON, INFORMATION ABOUT THE WHOLE SYSTEM, V12
```

```
IDLRLHIA          IMS DB CONTROL SUITE V3.2 - PM49856
RECON LIST       DBD INFORMATION function for CS ID CSV11 IMS Version 12.1
Command =====>

Press ENTER to continue or END to exit

List the databases registered in the RECON.

DBD(dbdname)          . . smpordp1 (a dbdname or ? for dbd list)
or
ALL | TYPEIMS | TYPEFP | TYPHALDB . .

LIST Output Options   . .          (Optional- Static,Concurr,blank)
RECON Quiesce         . .          (Optional, Y, N or blank )
COVERED | GSG(gsgname) . .          (Only if dbdname not specified)
DBDS                  . . Y        (List associated DBDSs, Y/N)
```

```

Menu Utilities Compilers Help
ssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssss
ISRBROBA GGJ.CSV11.SYSPRINT.LIST
Command ==>
***** Top of Data *****
IMS VERSION 12 RELEASE 1 DATA BASE RECOVERY CONTROL PAGE 0001
LIST.DB +
DBDS DBD(SMPORDP1)
11.063 11:42:57.614032 -08:00 LISTING OF RECON PAGE 0002
-----
DB
DBD=SMPORDP1 IRLMID=*NULL DMB#=9 TYPE=IMS
SHARE LEVEL=3 GSGNAME=**NULL** USID=000000001
AUTHORIZED USID=000000000 RECEIVE USID=000000000 HARD USID=000000000
RECEIVE NEEDED USID=000000000
DBRCVGRP=**NULL**
FLAGS: COUNTERS:
BACKOUT NEEDED =OFF RECOVERY NEEDED COUNT =0
READ ONLY =OFF IMAGE COPY NEEDED COUNT =0
PROHIBIT AUTHORIZATION=OFF AUTHORIZED SUBSYSTEMS =0
RECOVERABLE =YES HELD AUTHORIZATION STATE=0
EEQE COUNT =0
TRACKING SUSPENDED =NO RECEIVE REQUIRED COUNT =0
OFR REQUIRED =NO
REORG INTENT =NO
QUIESCE IN PROGRESS =NO
QUIESCE HELD =NO
-----
11.063 11:42:57.614032 -08:00 LISTING OF RECON PAGE 0003
-----
DBDS
DSN=GGJ.CSV32.IVP12.SMPORD1P.HIDAM.OSAM TYPE=IMS
DBD=SMPORDP1 DDN=SMPORD1P DSID=001 DBORG=HIDAM DSORG=OSAM
CAGRP=**NULL** GENMAX=2 IC AVAIL=0 IC USED=2 DSSN=00000000
NOREUSE RECOVPD=0
DEFLTJCL=**NULL** ICJCL=ICJCL OICJCL=OICJCL RECOVJCL=RECOVJCL
RECVJCL=ICRCVJCL
FLAGS: COUNTERS:
IC NEEDED =OFF
RECOV NEEDED =OFF
RECEIVE NEEDED =OFF EEQE COUNT =0

```

Then press PFK3

```

IDLRLDS2 IMS DB CONTROL SUITE V3.2 - PM49856
RECON LIST DBDS INFORMATION function for CS ID CSV11 IMS Version 12.1
Command ==>

Press ENTER to continue or END to exit

List data sets registered in the RECON.

DBDNAME . . . . . SMPORDP1 (blank or a dbdname)
DDNAME / AREA . . . . . (blank, a ddname or area)

or

All data sets in GROUP. . (blank or a dbdsgrp name )

LIST Output option . . . . . (Static, Concurr or blank )
RECON Quiesce . . . . . (Y, N or blank )

```

8. Consolidated the Full Function and HALDB Installation Verification Procedure job streams

- HALDB IVP sample jobs in the SIDLJPDS library member IDLIVPHA and Full Function IVP job in the SIDLJPDS member IDLIVP61 have been combined into a single new IVP sample job named IDLIVPJB.

9. Reorganized the main menu

```
IDLP00          IMS DB CONTROL SUITE V3.2 - PM49856
                for CS ID CSV11 IMS Version 12.1

Command ===>

Select a task or press END to exit

Tasks    . .    1. Set up environment
                2. Run jobs
                3. Maintain RECON
                4. System administration
                ISPF links to other IMS tools
                  A. IMS library integrity checking
                  B. IMS HP Pointer Checker: IMS Database Repair Facility
                  C. IMS HP Change Accum
                  D. IMS HALDB Toolkit
                  E. IMS Command Control Facility
                  F. Tools Base: IMS Tools Knowledge Base
                  G. Tools Base: Policy Services
                  H. Tools Base: IMS Hardware Data Compression Extended
                  I. Infosphere Guardium Data Encryption
```

10. Support for Fast Path Advanced Tools and Fast Path Secondary Index builder for IMS V12

New Fast Path menu

```
IDLFP51      IMS DB CONTROL SUITE V3.2 - PM49856
FAST PAT     for CS ID CSV10 IMS Version 10.1
Command ===>

Select a IMS High Performance Fast Path Utilities job list or press END to exit

Job lists . . 1. Basic Tools Feature
               2. Advanced Tools Feature
```

Fast Path Advanced jobs sub-menu (after choosing option 2) for V11 & under:

```
IDL$UBLS          IMS DB CONTROL SUITE - PM49856      Row 1 from 7
FASTPATH         function for CS ID FP      IMS Version 11.1
Command ===>

Press END to exit

FastPath  job list for DBDSGRP  FP

USERID for jobname . . N (Y or N)      USERID jobname suffix . .

Select (S)
JOBNAME  ALTNAME  DESCRIPTION
FPJFAAN  Fast Path Advanced - Analyze function
FPJFACH  Fast Path Advanced - Change function
FPJFADM  Fast Path Advanced - DMAC Print function
FPJFAEX  Fast Path Advanced - Extract function
FPJFARL  Fast Path Advanced - Reload function
FPJFARO  Fast Path Advanced - Reorg function
FPJFAUL  Fast Path Advanced - Unload function
***** Bottom of data *****
```


Fast Path Advanced jobs main menu for V12 & up:

```
IDL$UBLS          IMS DB CONTROL SUITE V3.2 - PM49856  Row 1 from 8
FASTPATH         function for CS ID FP      IMS Version 12.1
Command ==>>>

Press END to exit

FastPath  job list for DBDSGRP  FP

USERID for jobname . . N (Y or N)          USERID jobname
suffix . .

Select (S)
JOBNAME  ALTNAME  DESCRIPTION
FPJFAIB  (V12 & UP) Fast Path Advanced - Secdy Index Bld
FPJFAAN  Fast Path Advanced - Analyze function
FPJFACH  Fast Path Advanced - Change function
FPJFADM  Fast Path Advanced - DMAC Print function
FPJFAEX  Fast Path Advanced - Extract function
FPJFARL  Fast Path Advanced - Reload function
FPJFARO  Fast Path Advanced - Reorg function
FPJFAUL  Fast Path Advanced - Unload function
***** Bottom of data *****
```

Fast Path Secondary Index Builder Data Entry panel:

```
IDL$SY3          IMS DB CONTROL SUITE V3.2 - PM49856
FASTPATH         IMS LIBS Function for CS ID FP      IMS Version 12.1
Command ==>>>

Press ENTER to continue or END to exit

INDEX BUILDER

PGMLIB name      . . IMSTESTG.IMSQA.PGMLIB
DBD name         . . DEDEGS1A
1st INDEXDB name . . IMSTESTL.GS1AAR01
```

Generated JCL:

```
//FPJFAIB JOB ('A=SJ55'),REGION=0M,CLASS=K,MSGCLASS=A,
// MSGLEVEL=(1,1),NOTIFY=&SYSUID,TIME=15
/*ROUTE PRINT THISCPU/IMSNWYO
/**
/** MEMBER=IDLJOBCS
/**
/** JOB CREATED ON 2011/10/21 AT 09:07:28.80 BY USRT001
/**
/**MEMBER=IDLFAIBX
/**
/**** BUILD INDEX **
/*******
//INDEXBLD EXEC PGM=HFPMANO
/**
//STEPLIB DD DISP=SHR,DSN=
// DD DISP=SHR,DSN=IMSBLD.I12RTS1B.COMRESL1
// DD DISP=SHR,DSN=IMSTESTG.IMSQA.PGMLIB
// DD DISP=SHR,DSN=IMSTESTL.TNUC1
//IMSACB DD DISP=SHR,DSN=IMSTESTG.IMS12RC.ACBLIB
//IMSRESLB DD DISP=SHR,DSN=IMSBLD.I12RTS1B.COMRESL1
// DD DISP=SHR,DSN=IMSTESTL.TNUC1
//RECON1 DD DISP=SHR,DSN=IMSTESTL.IMS.RECON1
//RECON2 DD DISP=SHR,DSN=IMSTESTL.IMS.RECON2
//RECON3 DD DISP=SHR,DSN=IMSTESTL.IMS.RECON3
//SYSUDUMP DD SYSOUT=*
//SYSOUT DD SYSOUT=*
//HFPPRINT DD SYSOUT=*
//HFPRPTS DD SYSOUT=*
/*******
/**** FPSI DBs **
/**** if more is needed, add them **
/**** below before submitting **
/*******
//IBIXDB1 DD DISP=SHR,DSN=IMSTESTL.GS1AAR01
/**
//HFPSYSIN DD *
/**
//HFPSYSIN DD *
GLOBAL
DBRC=NO,
SCAN=NO
INDEXBLD
DBD=DEDEBGS1A,
IDX_PROC=BUILD,
IAREA=ALL,
INDEXDBD=ALL,
ICACHE=NO
/*
/**
```

Fastpath Advanced data entry panel

```
IDLF$SY2                IMS DB CONTROL SUITE V3.2 - PM49856
FASTPATH                Function for CS ID FP      IMS Version
11.1
Command ===>

Press ENTER to continue or END to exit

OUTPUT data set name    . .
CYLS                    . .

AREA                    . .

INPUT ADS               . .
```

Fast Path Advanced Tool sample JCL streams:

```
/******
/** UNLOAD THE AREA(S)      **
/******
//UNLOAD EXEC PGM=HFPMAIN0
/*
//STEPLIB DD DISP=SHR,DSN=HPFP.SHFPLMD0
// DD DISP=SHR,DSN=IMSVS.SDFSRESL
//IMSACB DD DISP=SHR,DSN=IMSVS.ACBLIB
//IMSRESLB DD DISP=SHR,DSN=IMSVS.SDFSRESL
//HFPPRINT DD SYSOUT=A
//HFPRPTS DD SYSOUT=A
//HFPSYSIN DD *
GLOBAL DBRC=NO
UNLOAD
DBD=IVPDB3
/*
//DFSIVD3A DD DISP=OLD,DSN=IMSVS.DFSIVD31
//DFSIVD3B DD DISP=OLD,DSN=IMSVS.DFSIVD33
//OAREA001 DD DISP=(NEW,PASS),DSN=&OAREA001,
// UNIT=SYSDA,SPACE=(CYL,(7,2),RLSE)
//OAREA002 DD DISP=(NEW,PASS),DSN=&OAREA002,
// UNIT=SYSDA,SPACE=(CYL,(7,2),RLSE)
//SYSOUT DD SYSOUT=*
/**
```

```

//*****
//** RELOAD THE AREA(S) **
//*****
//RELOAD EXEC PGM=HFPMAIN0
//*
//STEPLIB DD DISP=SHR,DSN=HPFP.SHFPLMD0
// DD DISP=SHR,DSN=IMSVS.SDFSRESL
//IMSACB DD DISP=SHR,DSN=IMSVS.ACBLIB
//IMSRESLB DD DISP=SHR,DSN=IMSVS.SDFSRESL
//HFPPRINT DD SYSOUT=A
//HFPRPTS DD SYSOUT=A
//SYSOUT DD SYSOUT=*
//HFPSYSIN DD *
GLOBAL DBRC=NO
RELOAD
DBD=IVPDB3
/*
//IAREA001 DD DISP=(OLD,DELETE),DSN=&OAREA001
//IAREA002 DD DISP=(OLD,DELETE),DSN=&OAREA002
//DFSIVD3A DD DISP=OLD,DSN=IMSVS.DFSIVD31.NEW
//DFSIVD3B DD DISP=OLD,DSN=IMSVS.DFSIVD33.NEW
//*/

```

```

//*****
//** CHANGE THE AREA(S) **
//*****
//CHANGE EXEC PGM=HFPMAIN0
//*
//STEPLIB DD DISP=SHR,DSN=HPFP.SHFPLMD0
// DD DISP=SHR,DSN=IMSVS.SDFSRESL
//IMSACB DD DISP=SHR,DSN=IMSVS.ACBLIB
//IMSRESLB DD DISP=SHR,DSN=IMSVS.SDFSRESL
//HFPPRINT DD SYSOUT=A
//HFPRPTS DD SYSOUT=A
//HFPSYSIN DD *
GLOBAL DBRC=NO
CHANGE
DBD=IVPDB3
/*
//IAREA001 DD DISP=OLD,DSN=IMSVS.DFSIVD31
//IAREA002 DD DISP=OLD,DSN=IMSVS.DFSIVD33
//DFSIVD3A DD DISP=OLD,DSN=IMSVS.DFSIVD31.NEW
//DFSIVD3B DD DISP=OLD,DSN=IMSVS.DFSIVD33.NEW
//SYSOUT DD SYSOUT=*
//*/

```

```

//*****
//** REORG THE AREA(S)      **
//*****
//REORG      EXEC PGM=HFPMAIN0
//*
//STEPLIB   DD DISP=SHR,DSN=HPFP.SHFPLMD0
//          DD DISP=SHR,DSN=IMSVS.SDFSRESL
//IMSACB    DD DISP=SHR,DSN=IMSVS.ACBLIB
//IMSRESLB  DD DISP=SHR,DSN=IMSVS.SDFSRESL
//HFPPRINT  DD SYSOUT=A
//HFPRPTS   DD SYSOUT=A
//HFPSYSIN  DD *
          GLOBAL DBRC=NO
          REORG
          DEB=IVPDB3
/*
//DFSIVD3A DD DISP=OLD,DSN=IMSVS.DFSIVD31
//DFSIVD3B DD DISP=OLD,DSN=IMSVS.DFSIVD33
//SYSOUT   DD SYSOUT=*
//*

```

```

//**** *****
//** ANALYZE THE AREA(S)    **
//*****
//ANALYZE   EXEC PGM=HFPMAIN0
//*
//STEPLIB   DD DISP=SHR,DSN=HPFP.SHFPLMD0
//          DD DISP=SHR,DSN=IMSVS.SDFSRESL
//IMSACB    DD DISP=SHR,DSN=IMSVS.ACBLIB
//HFPPRINT  DD SYSOUT=A
//HFPRPTS   DD SYSOUT=A
//HFPSYSIN  DD *
          GLOBAL DBRC=NO
          ANALYZE
          DEB=IVPDB3
          REPORT
/*
//DFSIVD3A DD DISP=OLD,DSN=IMSVS.DFSIVD31
//DFSIVD3B DD DISP=OLD,DSN=IMSVS.DFSIVD33
//SYSOUT   DD SYSOUT=*
//*

```

```

//*****
//**  EXTRACT THE AREA(S)  **
//*****
//EXTRACT  EXEC PGM=HFPMAIN0
//*
//STEPLIB DD DISP=SHR,DSN=HPFP.SHFPLMD0
//        DD DISP=SHR,DSN=IMSVS.SDFSRESL
//IMSACB  DD DISP=SHR,DSN=IMSVS.ACBLIB
//HFPPRINT DD SYSOUT=A
//HFPRPTS DD SYSOUT=A
//HFPSYSIN DD *
    GLOBAL DBRC=NO
    EXTRACT
        DBD=IVPDB3
/*
//DFSIVD3A DD DISP=OLD,DSN=IMSVS.DFSIVD31
//DFSIVD3B DD DISP=OLD,DSN=IMSVS.DFSIVD33
//OAREA001 DD DISP=(NEW,PASS),DSN=&OAREA001,
//          UNIT=SYSDA,SPACE=(CYL,(7,2),RLSE)
//OAREA002 DD DISP=(NEW,PASS),DSN=&OAREA002,
//          UNIT=SYSDA,SPACE=(CYL,(7,2),RLSE)
//*/

```

```

//*****
//**  DMAPRT THE AREA(S)  **
//*****
//DMACPRT  EXEC PGM=HFPMAIN0
//*
//STEPLIB DD DISP=SHR,DSN=HPFP.SHFPLMD0
//        DD DISP=SHR,DSN=IMSVS.SDFSRESL
//IMSACB  DD DISP=SHR,DSN=IMSVS.ACBLIB
//HFPPRINT DD SYSOUT=A
//HFPRPTS DD SYSOUT=A
//HFPSYSIN DD *
    GLOBAL DBRC=NO
    DMAPRT
        DBD=IVPDB3
/*
//DFSIVD3A DD DISP=OLD,DSN=IMSVS.DFSIVD31
//DFSIVD3B DD DISP=OLD,DSN=IMSVS.DFSIVD33
//*/

```

HFPMAIN EXEC parameters:

```
//stepname EXEC PGM=HFPMAIN0,  
//  PARM='DBRCGRP=dbrcgrp,GSGNAME=gsgname,IMSPLEX=imsplex'
```

DBRCGRP=

DBRCGRP is an optional 1- to 3-character parameter that is used by DBRC to identify the sharing group to which the notification belongs.

GSGNAME=

GSGNAME is an optional 1- to 8-character parameter that can be used to specify the global service group.

IMSPLEX=

IMSPLEX is an optional 1- to 5-character parameter that can be used to specify the IMSplex group names to share either databases or message queues.

11. Support for the IMS Reorg Expert CONDREORG control statement

- Sample High Performance Reorg control statements

```
//HPSIN DD *
(REORG)
CONDREORG=YES /* USE CRSS */
ITKBSRVR=FPQSVR00 /* USE ITKB */
SPACEALLOC=YES
IMSCMD=YES,TOSI /* USE TOSI */
TOSIXCFGRP=REORG
DBSHARE=YES
STARTDB=YES
INDEXBLD=YES /* USE IB */
IC=YES /* USE HPIC */
NAMESWAP=YES
(CONDREORG)
POLICYBY=DEBDNAME
JOURNAL=YES
DBS_HPIO=YES
/*
//
```


12. Replaced copyright panel with pop-up copyright panel

```
IMS DB CONTROL SUITE V3.2 - PM49856          Row 1 from 2

Command ==>

Press END to exit

Enter F string on the ISPF command line to find a CSID or other field
Enter F by itself to redisplay the full table.

Control Suite ID List

New CS IMS ID . .

Select (S) delete (D) or DBRC Fast Access (R)
-----
Licensed Materials - Property of IBM *           e      ID      Non-SMS
5655-F76 (C) Copyright IBM Corp. 1998, 2011    e      GGJ      VOLSER
All Rights Reserved.                            e      GGJ
US Government Users Restricted Rights -         e *****
Use, duplication or disclosure restricted        e
by GSA ADP Schedule Contract with IBM Corp.    e
* Trademark of International Business Machines e
-----SSSM
```

13. Support for optional Delete/Define and JCL “//IF” and “//ENDIF” statements

Added 2 new variables that are data entered on the following updated IDL\$SYS panel.

```
IDL$SYS          IMS DB CONTROL SUITE V3.2 - BAS
SETUP   DEFINE   JCL PRMS function for CS ID CSV11 IMS Version 12.1
Command ==>

Press ENTER to continue or END to exit                               Panel 1 of 3

SMS class          . . N          (N, 1=storage, 2=mgmt or 3=data)
DASD device type   . . 3390       (3380 or 3390)
DASD unit          . . SYSALLDA   (Esoteric name or blank if SMS N)
TAPE unit          . . 3480       (Esoteric name)
Tape retention     . . 21         (Days)
IMS utility buffers . . 50        (VSAM)
                  . . 50        (OSAM)
CS loadlib qualifier . . SIDLLOAD (Last qualifier of CS loadlib dsn)
Use IF/ENDIF in jobs . . Y       (Y or N)
Include DEL/DEF in iobs . . Y     (Y or N)
```