



Enhancements/Updates to CIMS Chargeback MVS V11.6
(January 2003 – April 2003) (2003/04/09 Genlevel)

Programs:

**CIMSACCT, CIMSCMF2, CIMSDB2, CIMSDISK, CIMSIMS2, CIMSTAPE, CIMSUNIV,
CIMSUN02**

- New control cards were added to turn off the wildcard matching in account code conversion or to change the default wildcard characters used in account code conversion:
 - To turn off wildcard matching use: TURN OFF ACC WILDCARDS
 - To change the ? wildcard character use: CHANGE ACC ? WILDCARD TO x
 Where x = the new wildcard character
 - To change the * wildcard character use: CHANGE ACC * WILDCARD TO x
 Where x = the new wildcard character
- Shift determination was updated to handle seconds correctly.

CIMSACCT

- A new control card has been added to allow the user to specify the shift code to be used for the Non-Prime shift:
 NON-PRIME SHIFT CODE = n
 Where = the shift code
- A new control card has been added that will cause CIMSACCT to parse the text units field of the Enhanced Sysout Section of the SMF type 6 record and format it into a fixed offset format in the CIMS Record Type 6. The default processing is to leave the text units field as it appears in the SMF 6 record.
 SMF6 ESS FIXED FORMAT
- The field CIMRC792-CPU-INIT was being calculated incorrectly. The field should be the sum of only the ISRB and ITCB CPU times.
- The conversion of the CIMS record types 79x from version 00 to version 01 was updated to prevent an abnormal termination (SOC7) when executing CIMSEXTR or during a re-process of the output through CIMSACCT.
- Conversion of the CIMS record type 791 version 00 was updated to prevent an abnormal termination (SOC7) when the RecordID does not start with CIMS.
- Processing was updated to correctly determine the length of CIMS 79x records that were produced by processing CIMS Server Resource Records.
- Properly set length of 792 so User Defined fields can be built from the SMF 30 information. The length was set to include only the 792 portion of the CIMRC792 record definition. Any fields referenced by User Defined entries beyond the base 792 resulted in DCTN004W messages.

CIMSBILL

- When exactly 52 accounting periods existed within the calendar file, the message MORE THAN 52 ACCOUNTING PERIODS, FIRST 52 USED was displayed. The message is no longer displayed.
- Processing was added to show rate codes in the RATE CODE NOT FOUND message that had rate totals of 0 (there were positive and negative entries for the rate code) and were not defined in the rate file
- The CIMSBILL module that was included in the 2003/03/05 build contains an update that can cause a storage overlay, which eventually causes an abnormal termination (S0C4).

CIMSDATA

- The Enhanced Sysout Section of the CIMS type 6 records was truncating the last byte.
- The CIMS record type 26 is now always written with a length of 457.

CIMSDB2

- The number of invalid CPU time messages is now limited to 100.
- Processing was updated to prevent an abnormal termination (S0C7) when the input is exception records only and the NO SORT option is specified.
- The 791 records were truncated to a length of 380 bytes. The length was changed to the full 460 bytes.

CIMSCMF2

- Supports the new format of the 791 records along with the new stop date/time in the common header.
- A new control card has been added to override the default return code of 16 when no input records are processed:
ON EMPTY INPUT FILE SET RC TO nnnn
Where nnnn = a numeric value

CIMSDTLD

- Allows for blank lines in the CIMSCNTL member.

CIMSEXTR

- A new control card has been added to limit the number of DCTN004W warning messages:
LIMIT DCTN004W MSG nnnn
Where nnnn = a numeric value
- A new control card has been added to override the default return code of 16 when no input records are processed:
ON EMPTY INPUT FILE SET RC TO nnnn
Where nnnn = a numeric value
- A new control card has been added to control the validation of data:
DATA VALIDATION X'nn' X'nn'
- For CIMS record type 999, the RecordID is set to S390R999.
- Support for BoxID processing was added where a BoxID definition may contain only one resource definition.
- The Extract report was changed to report only primary counters. Internal control counters have been removed but can still be included by using a 'TEST R' control statement.
- The conversion of the CIMS record types 79x from version 00 to version 01 was updated to prevent an abnormal termination (S0C7).
- An update was made to suppress the Start-Date identifier from appearing twice in the CSR record (CIMSOUT DD) for CIMS record type 999 records when the input contained both CIMS record type 791 and CIMS record type 999 records.
- Default Stop time values have been changed to be 23:59:59 instead of 24:00:00.
- A time validation check was added to ensure that the Start and Stop times are between 00:00:00 and 24:00:00. If a value is outside this range it will be changed to 23:59:59.

CIMSIMS1

- New processing was added to determine LTERM/LUNAME name for transactions.

CIMSIMS2

- New processing was added to support API-C (explicit APPC) IMS transactions.

CIMSUN01

- No output was being produced when processing IDMS 12.0 or 14.0 log records.

Report Library (Replib):

AAIXJCL, AHPUXJCL, APCCLJCL, APCRTJCL, APCSMJCL, ARUNJCLH, ARUNJCL1, ASUNJCL, SAM01JCL

- Changed comments in JCL to prevent exceptions during CIMSINIT install processing.

AALEGEND

- Updated Comments.

ARUNJCL4

- Added DD statements CIMSDTV5 and CIMSACT2 to the JSTEP010 step.

ATMONJCL, ATMO2JCL

- Added DD statements CIMSDTV5 and CIMSACT2 to the JSTEP040 step.

CIMRC006

- Added fixed formatted ESS section.

CIMRC030

- Updated Comments.

CIMSZLM3

- Added support for TMON 2.2.

SMFRC116

- Added a new member that contains the record layout for the SMF 116 record.

SMFRC222

- Added a new member that contains the record layout for the Control-D SMF record.

SPWRP001, SPWRP005, SPWRP006, SPWRP007, SPWRP095, SPWRP900, SPWRP901, SPWRP907, SPWTR792

- CIMRC792-CPU-INIT has been changed to be the sum of ITCB+ISRB. It cannot be used as the total CPU value. The following reports were updated to calculate the total CPU value and changed to mixed case.

SPWRP940

- Added a new member that contains a report that processes MQSeries SMF 116 records and produces CIMS 791 records.

SPWRP941

- Added a new member that contains a report that processes Control-T 5.1 tape records and produces CIMS 791 records.

SPWRP942

- Added a new member that contains a report that processes Control-D records and produces CIMS 791 records.

SPWRP943

- Added a new member that contains a report that processes Control-T 6.0 tape records and produces CIMS 791 records.

SPWRPCN0

- Added a new member added to find header customizations during the VSAM Dictionary upgrade process.

SPWRPCN1

- Removed WARNING message for field NAME.
- Bypass entries reported in SPWRPCN0.

SPWTR735

- Updated file access count calculation.

SPWTR736

- Updated file access count calculation.

SPWTR737

- Updated file access count calculation.

SPWTR760

- CIMS now uses the CIMSMMM-RVMEDREC field to determine the type of media.

SPWTR815

- Changed compute fo: CIMRC791-CIMSOFR-OFFSET-RSRC to 214
- Changed compute for CIMRC791-CIMSOFR-OFFSET-IDNT to 304
- Removed field CIMRC791-CIMSRC DN-RECORD-NUMBER
- Fixed lengths for fields CIMRC791-UNIVUSFD-USER-FIELD and CIMRC791-UNIVFLLR
- Changed B-SECS to BINARY
- Changed compute for CIMRC791-RDW to 464

SWALIAS

- Defined SMFRC116-RECORD as an alias for SMFRC116.

Control Library (Datafile):

ACCTINPC, ACCTINPT, ACCTINP3, ACCTINP4, ACCTINP5

- Updated Comments.

ACCTINPT, CMF2INPT, DATACIN1, DATACIN2, DB2INPT, DCTNCICS, DCTNDASD, DCTNDB2, DCTNHDR, DCTNIMS, DCTNRMM, DCTNR792, DCTNR793, DCTNR794, DCTNR999, DCTNTAPE, DCTNTLMS, DCTNTMS, DCTNTO, DCTNUNIV, DCTNZARA, DISKCNTL, DISKINPT, IDMSCNT2, IDMSCNT4, IDMSCNT6, M204CNT2, RMMINPT, TAPEINPT, TL50INPT, TL54INPT, TMSINPT, UNIVINPT, ZADACNTL, ZARAINPT, ZCBCNTL, ZDCCNTL, ZFALCNTL, ZRJECNTL, ZROSCNTL, ZWYLCNTL

- Removed reference of 11.5.

ACNVJCL2, ACNVJCL3, ACNVJCL4, CICS DT02, CICS DT03, CICS DT04, CICS DT10, CICS MERG, CICS VSAM, CIMSADM, CIMS DT, CIMS DT, CIMS RTLD, CLNTJCL1, SUBCLNT2, SUBRATE2

- Updated JCL, added FILE (VSAMC1) and deleted the VOL (???????) for IDCAMS processing.

ATMONJCL, ATMO2JCL

- Added DD statements CIMS DTVS and CIMS ACT2 to the JSTEP040 step.

ATMONJCL, ATMO2JCL, CIMSADA1, CIMS CICS, CIMS DB2, CIMS DISK, CIMSEOM, CIMS FALC, CIMS JOB2, CIMS JB2A, CIMS JB2B, CIMS RJE, CIMS RMM, CIMS RO, CIMSTAPE, CIMSTL50, CIMSTL54, CIMSTMS, CIMSUNIV, CIMS WYLB, CIMS ZARA, IDMSJCL1, IDMSJCL2, IDMSJCL3, M204JCL1, SUBAS401, SUBAS402, SUBCICS2, SUBDATC1, SUBDATC2

- These members were updated to change the DCB information because Computer Associates' JCLCHECK does not recognize a DCB wrapped in ().

BUDJCL1, CIMS DTLD, CIMS DUTL, CIMSEXTR, CIMS JOB3

- Changed VERIFY DATASET to VERIFY FILE

CIMS CMPL

- Added the NODYNAM compile option and deleted the NONRESIDENT compile option.

CIMS DB2

- DB2RECS DCB error, RECFM=FB

CIMS DUTL

- Missing sequence number, RENUM

CIMS SIMS

- Added a summarization step to the end of the job.

CIMS JOB1

- Removed unneeded VOL parameter.

CIMS JOB1, CIMS JOB2, CIMSGDG

- Shortened SUSPENSE file name.

CIMS JOB2, CIMS JOB4, CIMS LEVL, CIMS MERG, CIMS MULT, CIMS RSCA, CIMS RSCB, SMFMERGE, CIMS ADM, CIMS SIMS, CIMS JOB1, CIMS JOB3, CIMS VTOC, CONVERTB

- These members were updated to prevent exception conditions when executing CIMSINIT during the install process. Comment lines in the JCLs contained DSN references that caused a line overflow during processing.

CIMSLOAD

- Changed reference from 11.5 to 11.6.

CIMRCT54, CIMRECTL

- Added new members that contain the CA-DYNAM/TLMS record layouts.

CIMSDUTL

- Added a new step to find header customizations.

DCTNCTLD

- Added a new member that contains the Control-D record definition.

DCTNCTLT

- Added a new member that contains the Control-T record definition.

DCTNMQSR

- Added a new member that contains the MQSeries record definition.

FILELIST

- Removed LINKJCL members from list.

SUBCICS

- Added DD statements CIMSDTVS and CIMSACT2 to the JSTEP020 step.