

ZCICSHST.TXT

zCICS History
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This is only a brief summary, please refer to the Application Programming Guide and the System Programmers Guide for the details.

The Ship Date is the date the package is given to Don, there may be a delay before he can include it in a PTF or Release.

Ver	Ship Date	Z390 version
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V7	February 21, 2009	V1.5.00

Rebranding

Z390/CICS is now known as zCICS

Maintenance...

BMS...mods made to macros and EXEC CICS SEND/RECEIVE to support COBOL maps.

Added PICIN/PICOUT support for COBOL maps.

Revised all EXEC CICS commands to make them base-free, a requirement for COBOL support.

Changes to LINK, XCTL and DFHEIENT to enter all programs with GR1 pointing to A(EIB,COMMAREA). A requirement for COBOL support.

DFHEIGBL has been withdrawn and the code placed in DFHEIENT.

HANDLE ABEND LABEL wasn't correctly restoring registers or properly cleaning up if the LABEL was at a higher link-level than the abending program.

FORMATTIME wasn't returning the correct date.

FREEMAIN DATA() corrected.

Improvement to all commands accepting indirect adcons.

Enhancements and changes...

BMS...

DFHMSD LANG=COBOL will generate a COBOL map structure as mapset.CPZ

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The BAT file for SYSPARM(MAP) generation needs the ALLOW parameter to enable the IMG file to be created correctly.

EXEC CICS ADDRESS COMMAREA() CWA() EIB() added

New INI parm CWASIZE=nnnnnnnn
Displayed in CEMT I SYS

CEMT I TRA extended from 17 to 42 transactions.

zCOBOL support
BMS LANG=COBOL already listed above
SET supports ADDRESS OF label
LENGTH and FLENGTH support LENGTH OF label

EXEC CICS SEND MAP supports SET()

V6 November 24, 2008 V1.4.04

Maintenance...

FORMATTIME bug fixed, gave incorrect date in leap years
Minor XCTL bug fixed, copied COMMAREA unnecessarily

Z390KCP bug fixed, in complex situations COMMAREA is being freed causing recursive abends. Not related to XCTL bug.

Z390CEBR not sending task number resulting in bad QNAMES log message.

Z390CEMT had minor bug which sometimes prevented the terminal prefix from being displayed in CEMT I TER.

Z390CICS not setting the TRACE_Z390CICS parameter properly.

Eliminated GR2 as an internal register. It is now available as a base register but is not recommended as it may be modified by some instructions.

A label is now allowed on EXEC CICS statements.
eg. MYLABEL EXEC CICS READ ...

DFHEIGBL includes EQUIREGS and therefore not needed in programs.

EXEC CICS HANDLE/IGNORE CONDITION now supports

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DSIDERR=FILENOTFOUND

EXEC CICS WRITEQ TS NOHANDLE not working owing to missing
restore
of GR15.

EXEC CICS WRITEQ TS supports ITEM without REWRITE for
compatibility.

EXEC CICS READQ TS with SET was using LENGTH as an input field
incorrectly.

EXEC CICS GETMAIN not supporting NOHANDLE properly.

DFHALL.BAT amended so that GBL and LCL modules are no longer
link-editted.

BMS...

DFHMSD...

Support for TIOAPFX=YES
Support and discard TERM=

DFHMDI...

Bug--AGO .GOON15 should be .GOON05
Extra error checking for LINE/COLUMN and MAP01 corrected.
Support for TIOAPFX=YES
Support and discard JUSTIFY=

DFHMDF...

Support for fields that wrap row or screen.

INITIAL now supports strings that contain doubled quotes

or

ampersands.

LCL1804 (SEND MAP)...

in

Obscure bug that may not generate a cursor location when
simulation mode.

Bug fixed which may allow X'00' to be included in a data
stream.

Support for fields that wrap row or screen.

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EXEC CICS SEND MAP now supports FROM() and LENGTH() parms and MAP may now be a label.

EXEC CICS RECEIVE MAP now supports INTO() and MAP may now be a label.

DFHNULL added to DFHAID.CPY

Inverval Control...

HANDLE/IGNORE extra conditions
TERMIDERR, IOERR, TRANSIDERR, ENDDATA, ENVDEFERR

Task Control...

HANDLE/IGNORE extra condition...ENQBUSY

Internal reconstruction...

This was started in CICS V5, all EXEC CICS commands now invoke an external LCLhxxx module. The list can be found in zCICS Diagnosis Reference.

As a result some changes were made to the Application program structure:

DFHEIFCP and DFHEITSP removed from EISTG.
DFHEIGBL now only contains EIB and TCTTE structures.
Coding reconstructed for LINK, XCTL and RETURN.

DFHEIRET withdrawn, now incorporated into LCL0E08 (RETURN).
This means you must end a zCICS program with EXEC CICS

RETURN.

Enhancements and changes...

All EXEC CICS commands now support RESP, RESP2 and NOHANDLE.
Added TRACE(G) to Z390KCP trace options (storage).

Additional code added to BMS to prevent PICIN/PICOUT generating truncated data when too much data is input. MAPFAIL/8 is raised.

EIBDS is now supported

Support for EXEC CICS START, RETRIEVE and CANCEL
Support for IMMEDIATE on EXEC CICS RETURN
Support for EXEC CICS ENQ/DEQ
CEMT I ENQ added.

V5 June 27, 2008

V1.4.02

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Maintenance...

RPI833: All macros now changed for HLASM compatability.
RPI837: Add NOTIME parameter to Z390CICS to prevent S422 abend
for terminals.
RPI844: Use of TROT now need aligned tables.
Z390CEBR and Z390COMP needed amending.
RPI845: Recode ESTAE routines in Z390KCP to use new SDWA
RPI946: Amend a few programs to eliminate the generation of 6's
for uninitialized fields.

TESTBED3: Bug fixed, final lines not displayed.
Rebuilt the sequential terminal streams for BED1.

Z390KCP : Bug fixed, CLEAR key not passed to pseudo-
conversational task.

Bug fixed, abend ASRA after RETURN COMMAREA received
may lead to recursive abends owing to multiple
FREEMAINS of the COMMAREA.

Enhancements and changes...

CEMT conversational mode implemented.
DFHFCT and DFHPCT have protection against missing TYPE=FINAL.
Z390CICS future-proofed with a new modular design.
Global managed functions now in GBLxxxx modules

Sequential terminal support improved:

Only the SEQ_TERM parameter needs to be amended.
Added TRACE option to set parms for trace data collection.

HANDLE/IGNORE extra conditions
MAPFAIL, INVMPsz, OVERFLOW

New LCLxxxx modules to handle EXEC CICS processing.
This conversion is not complete.

New Features...

Basic Mapping Support
Macros DFHMSD, DFHMdi, DFHMDF.
EXEC CICS SEND MAP
EXEC CICS RECEIVE MAP
EXEC CICS SEND CONTROL

New Doc...

zCICS Basic Mapping Support.

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V4 January 18, 2008 V1.3.08h

File control commands now support all fixed and variable VSAM datasets for all applicable read and browse functions.

Interval Control

ASKTIME, DELAY and FORMATTIME supported

Dump Control

DUMP TRANSACTION

Enhancements and changes...

HANDLE/IGNORE extra conditions

ILLOGIC, EXPIRED

Z390KCP amended to cater for conditions that default to ignore.

INI parm DATE_FORMAT changed to single byte:

K=DMY (UK format)

S=MDY (US format)

R=YMD (Reverse format)

This is also reflected in CEMT I SYS

Implementation of new LOG() parameter.

When the INI parameter TRACE_LOCAL=YES is specified, the ERR, LOG and TRE files are prefixed with the terminal id. and not Z390KCP.

Sequential Terminal support

Enables regression testing of all transactions.

See the documentation about this major new feature...

zCICS Sequential Terminal Support

Bug fixes...

Abends may occur if INI parm LOCAL_TERMINALS=0

EIBRSRCE was being used in abend messages, but this may not contain the program name. New field EIBPROG fixes this.

Minor error in DFHHCBLK, 5 fullwords reserved for ILLOGIC instead of one.

Other...

Programs RTZCICSn are no longer supplied and are now classified 'internal use only'.

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V3 October 1st, 2007 V1.3.08
Improvements to the shutdown process.

Changes to remote terminal start procedure.

Z390KCPL to launch multiple remotes

Z390KCPR to launch one remote, used for test/trace

Z390CICS.INI ...

JAR_PATH= and CICS_PATH= are withdrawn. The paths are extracted from the environment variables JARPATH and CICS_PATH.

New parm, DATE_FORMAT=UK or US

Bug fix

EXEC CICS IGNORE not acquiring handle block.

Enhancements and changes...

RECEIVE INTO(EIBAID) no longer supported

Receive into your own area, EIBAID and EIBCPOSN will be automatically extracted.

HANDLE/IGNORE extra conditions...

QIDERR, ITEMERR, FILENOTFOUND, NOTFND, DUPREC, DUPKEY, NOSPACE, NOTOPEN, ENDFILE, DISABLED

CEMT I SYS ...

Terminal numbers were in error, display enhanced.

JAR_PATH and CICS_PATH are displayed from the environment variables.

DFHALLV.BAT to rebuild the test VSAM catalog and files.

Added support for...

DELETEQ TS

READQ TS

WRITEQ TS

File control commands are for VSAM ESDS read-only...

READ

STARTBR

READNEXT

READPREV

RESETBR

ENDBR

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Added facilities

CEBR transaction, a hybrid of CEMT I TSQ and CEBR.
Extensive improvements.

CEMT I FIL

Documentation

CEMT and CEBR are now moved to zCICS Supplied Transactions.

New document - zCICS VSAM Guide.

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V2 June 25, 2007 V1.3.05

Corrections to setting of EIBAID and EIBCPOSN.

Maintain EIBRSRCE (program name).

Clear prefix section of DSA, possibility of abends.

Support of multiple base registers for code and DSA...

see ZCICSAPP doc.

Local terminals may not start...thanks to Don for a temporary fix.

Command Prompt pathname not externalised.

Fixed by extra INI parm CICS_PATH...see ZCICSSYS doc.

Added DFHAID.CPY...BAT files may need SYSCPY amended if used.

Enhancements and changes...

EXEC CICS RECEIVE

... supports NOHANDLE

... default INTO(EIBAID) has been withdrawn,

recode to EXEC CICS RECEIVE INTO(EIBAID) LENGTH(ONE)

...

ONE DC H'1'

Abend handling now properly implemented.

COMMAREA() now supports indirect addressing.

SEND FROM() now supports indirect addressing.

Added SHUT DOWN status to CEMT I TER.

CEMT now accepts full wording for commands, ie. CEMT SET

TERMINAL OUT, but only the minimum number of characters
of each parameter will be tested.

CEMT P SHU and CEMT P SHU IMM are fully implemented, there are
some issues, see ZCICSSYS for details.

Added INI parameter INITIAL_TRANSID to fire a transaction when
terminal is started. New LOGO transid.

Added dummy DFHPCTUS.CPY for users to add their own PCT entries.

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INI parms JAR_PATH and CICS_PATH now support preset environment variables as %...%

Added support for...

- ABEND
- FREEMAIN
- GETMAIN
- HANDLE AID
- HANDLE ABEND
- HANDLE/IGNORE CONDITION
 - only ERROR, INVREQ, LENGERR, PGMIDERR supported
- PUSH HANDLE
- POP HANDLE
- RELEASE

Ver	Ship Date	Z390 version
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V1	May 1, 2007	V1.3.03b

Provides assembly support for CICS programs.

Includes most parameters associated with the following EXEC CICS commands...

- LINK, LOAD, RECEIVE, RETURN, SEND, XCTL

Some basic CEMT functions.

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