InterCONNECT Option™
for
CONNECT:Direct™ for OS/390,
CONNECT:Direct™ for MVS
and
CONNECT:Mailbox™ for MVS

Release Notes

Version 1.2.00

Sterling Commerce
An IBM Company

InterCONNECT Option for CONNECT:Direct for OS/390, CONNECT:Direct for MVS and CONNECT:Mailbox for MVS
Version 1.2.00
Second Edition

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Contents

Introduction

The *InterCONNECT Option Release Notes* document describes the enhancements and maintenance updates contained in InterCONNECT Option Version 1.2 Maintenance Level 01 (PUT 1201).

This document is intended to supplement the *InterCONNECT Option System Guide* documentation.

The *InterCONNECT Option Release Notes* document is updated with each release of the product. Read the document in its entirety before installation.

Chapter 1

Important Notes

The following notes are intended to clarify or supplement documentation for InterCONNECT Option Version 1.2.

Product Requirements

Hardware Requirements

The required hardware is the same as the requirements for CONNECT:Direct, CONNECT:Mailbox, and InterCONNECT Option Version 1.2. Refer to the release notes for your software and platform.

Software Requirements

The following software is required before installing Maintenance 01 (PUT 1201) for the InterCONNECT Option:

❖ If you are running CONNECT:Direct for OS/390, you need Version 4.0 or later with the latest cumulative maintenance tape

❖ If you are running CONNECT:Direct for MVS, you need Version 3.2 with the latest cumulative maintenance tape

❖ If you are running CONNECT:Mailbox for MVS, you need Version 3.1 or later with PUT 3.1.06 maintenance tape

❖ A VTAM LU6.2 connection to CONNECT:Mailbox

❖ InterCONNECT Option Version 1.2.00

Distribution Media

The InterCONNECT Option package consists of the distribution media and product publications. Distribution media for the InterCONNECT Option consists of two tapes:

❖ InterCONNECT Option Version 1.2.00

❖ InterCONNECT Option Maintenance 01 (PUT 1201)

The tapes are either 1600-bpi magnetic tapes or 3480 cartridge tapes. They are identified with an external label showing the product name and release level.

Installation Notes

This section contains installation considerations that you must observe in addition to the procedures contained in the *InterCONNECT Option System Guide*.

1. Ensure that the appropriate cumulative maintenance is installed for CONNECT:Direct and CONNECT:Mailbox on each platform (see *Product Requirements* section beginning on page 1-1).

    Access the tape from Customer Service or download the maintenance from the Sterling Commerce Web site.

2. Install InterCONNECT Option Version 1.2 if not currently installed (see the *InterCONNECT Option System Guide*).

3. Install InterCONNECT Option Maintenance 01 (PUT 1201). Refer to the enclosed Customer Service bulletin.

4. Create the local VTAM definitions:

    a. Determine the number of concurrent sessions required for your system.

    b. Define a local VTAM APPLID for each concurrent InterCONNECT Option session: Specify the unique APPLID value for each Process or define a pool for all Processes. Each APPLID must have a unique name. If five concurrent sessions are anticipated, five APPLIDs must be defined, each with a unique name.

        To create a pool of VTAM APPLIDs that can be shared by all Processes, define each VTAM APPLID with a five-character name prefix (MBXLP for example) and append a three-digit number (starting with 000 and incrementing by one). The DMSTOUT0 program starts with the first defined name (MBXLP000) and searches for an APPLID not in use. Using this pooling technique, it is possible to create fewer definitions (only the maximum number of concurrent sessions).

> **Note:** If an APPLID value is not five characters in length, the DMSTOUT0 program assumes that a unique name is specified. If that APPLID is already in use by another Process, later Processes fail until the Process becomes available.

An example follows where the APPLID value (ACBNAME) is MBXLP000:

```
    MBXLP000  APPL ACBNAME=MBXLP000,                                        *
              AUTH=ACQ,                                                     *
              APPC=YES,                                                     *
              PARSESS=YES,                                                  *
              VPACING=7,                                                    *
              AUTOSES=6,                                                    *
              DLOGMOD=TESTLU62,                                             *
              DMINWNL=3,                                                    *
              DMINWNR=3,                                                    *
              DRESPL=ALLOW,                                                 *
              DDRAINL=ALLOW,                                                *
              DSESLIM=12,                                                   *
              MODETAB=MODAPPL
```

For a pool, duplicate the definition with MBXLP001, ...002, ...003, and so on.

c.   Define the local VTAM Log Mode Table used for the sessions. An example follows where the value is TESTLU62.

```
LU6.2      MODEENT  LOGMODE=TESTLU62,FMPROF=X'13',TSPROF=X'07',      *
                SECPROT=X'B0',COMPROT=X'D0B1',RUSIZES=X'8989',       *
                PRIPROT=X'B0',PSERVIC=X'0602000000000000000000300'
SNASVCMG   MODEENT  LOGMODE=SNASVCMG,FMPROF=X'13',TSPROF=X'07',      *
                 SECPROT=X'B0',COMPROT=X'D0B1',RUSIZES=X'8585',      *
                 PRIPROT=X'B0',PSERVIC=X'0602000000000000000000300'
           MODEND
```

5.   From the **ADD BATCH TO CONNECT:Mailbox FROM FILE** screen, define the required and optional DMSTOUT0 parameters:

a.   Define the required parameters–

   •   &LOCAPPL

   •   &MBAPPL

   •   &LOGMODE

   Refer to the *New CONNECT:Direct Processes* section beginning on page 2-2.

b.   Define the optional parameters (if necessary). Refer to the *New CONNECT:Direct Processes* section beginning on page 2-2.

c.   Define the MB#ADD Process parameters (if necessary). Refer to the *MB#ADD Processes* section beginning on page 2-2.

d.   Define the MB#EXTRACT Process parameters (if necessary). Refer to the *MB#EXT Processes* section beginning on page 2-3.

Registering for Online Access to CONNECT Product Support Information

The CONNECT product support Web site, **CONNECT Tech E-solutions**, provides product information, a forum for information exchange, complete product solution searches, product documentation, and product workshop information. Register for access to the CONNECT product support information from our Web site at *commerce.csg.stercomm.com.*

Chapter 2

Summary of Updates

Enhancements and maintenance updates to InterCONNECT Option Version 1.2 Maintenance Level 01 (PUT 1201) are described in this chapter.

Enhancements

The enhancements in Version 1.2 are as follows:

❖ A new program, DMSTOUT0, allows concurrent sessions with CONNECT:Direct

❖ Data is added to, extracted from, or both from CONNECT:Mailbox using the CONNECT:Mailbox online system, not the STOUTL utility

❖ New CONNECT:Direct Processes support the new program, DMSTOUT0

❖ The **ADD BATCH TO CONNECT:Mailbox FROM FILE** screen enables you to specify DMSTOUT0 parameters and invoking an ADD or EXTRACT Process to CONNECT:Mailbox

❖ The statistics facility and report feature provides additional information and has a new format

The DMSTOUT0 Program

DMSTOUT0 is a program component of CONNECT:Direct. It is invoked by the CONNECT:Direct InterCONNECT Option Processes. DMSTOUT0 interfaces with the Cross LPAR Utility, a program component of CONNECT:Mailbox. The Cross LPAR Utility is the component that communicates with the CONNECT:Mailbox online system and is responsible for the actual transfer of data to and from CONNECT:Mailbox.

DMSTOUT0 allows multiple concurrent access to CONNECT:Mailbox. DMSTOUT0 works the same as DMSTOUTL in the InterCONNECT Option. The DMSTOUT0 program provides a subset of the functions available in the CONNECT:Mailbox Offline Utility (STOUTL), to provide access to CONNECT:Mailbox data repositories through the CONNECT:Direct InterCONNECT Option. The InterCONNECT Option uses a VTAM LU6.2 connection between itself and CONNECT:Mailbox to allow the addition (**ADD**) and extraction (**EXTRACT**) of batch data.

New CONNECT:Direct Processes

Four new CONNECT:Direct Processes are included in the standard InterCONNECT Option distribution Process library to execute DMSTOUT0:

❖ MB#ADD01

❖ MB#ADD02

❖ MB#EXT01

❖ MB#EXT02

These Processes are similar to the MB$ series of Processes described in the *InterCONNECT Option System Guide*. However, two main differences are:

❖ The MB# series of Processes execute program DMSTOUT0 rather than DMSTOUTL.

❖ The MB# series of Processes contain additional required and optional parameters.

The MB# series of Processes are executable in the same manner as the MB$ Processes: Include the required and optional parameters when you submit the MB# Processes. The new required and optional parameters include:

&LOCAPPL
> The &LOCAPPL parameter is the local VTAM APPLID used by the Cross LPAR Utility to communicate with CONNECT:Mailbox. This parameter is required.

&MBAPPL
> The &MBAPPL parameter is the VTAM APPLID of the target CONNECT:Mailbox as specified in the APPCAPPL ODF parameter. This parameter is required.

&LOGMODE
> The &LOGMODE parameter is the log mode table name used for communication with CONNECT:Mailbox. This parameter is required.

&MBNAME
> The &MBNAME parameter is the name of the target CONNECT:Mailbox as specified in the MBXNAME ODF parameter. This parameter is optional.

&USERID
> The &USERID parameter is the CONNECT:Mailbox user identification. If CONNECT:Mailbox security is active, provide a value known to CONNECT:Mailbox. This parameter is optional.

&PASSWRD
> The &PASSWRD parameter is the CONNECT:Mailbox password. If CONNECT:Mailbox security is active, provide a value known to CONNECT:Mailbox. This parameter is optional.

MB#ADD Processes

The MB#ADD Processes add CONNECT:Direct files to CONNECT:Mailbox. The parameters used by the MB#ADD Process, which you may want to modify, are as follows:

SNODE
> The SNODE parameter specifies the CONNECT:Direct node requesting the CONNECT:Mailbox ADD. This is the location of the file being added.

Note: The PNODE is always the node where CONNECT:Mailbox resides.

&NOTIFY

The &NOTIFY parameter specifies userid to be notified of the progress of the Process.

&FROMDSN

The &FROMDSN parameter specifies the data set name of the file to be added to CONNECT:Mailbox as a batch.

&FILETYP

The &FILETYP parameter specifies the CONNECT:Direct TYPE of the source data set. This is the member name of the Type file containing the file attribute defaults used by CONNECT:Direct COPY statements. Examples are TEXT and BINARY.

&PROFDSN

The &PROFDSN symbolic parameter specifies the data set name of the Profile data set.

&PROFMEM

The &PROFMEM symbolic parameter specifies the member name of the Profile in the Profile data set identified by &PROFDSN.

&RMTID

The &RMTID parameter specifies the CONNECT:Mailbox ID of the batch to be added.

&BATCHID

The &BATCHID parameter specifies the user Batch ID of the batch to be added. This parameter is optional.

MB#EXT Processes

The MB#EXT Processes extract CONNECT:Mailbox files to CONNECT:Direct. The parameters used by the MB#EXT Processes which you may want to modify are as follows:

SNODE

The SNODE parameter specifies the destination CONNECT:Direct node for a CONNECT:Mailbox EXTRACT.

Note: The PNODE is always the node where CONNECT:Mailbox resides.

&NOTIFY

The &NOTIFY parameter specifies the userid to be notified of the progress of the Process.

&TODSN

The &TODSN parameter specifies the data set name of the file to be created from the extracted CONNECT:Mailbox batch.

&FILETYP

The &FILETYP parameter specifies the CONNECT:Direct file TYPE of the target data set. This is the member name of the Type file containing the file attribute defaults used by CONNECT:Direct COPY statements. Examples are TEXT and BINARY.

&PROFDSN

The &PROFDSN symbolic parameter specifies the data set name of the Profile data set.

&PROFMEM

The &PROFMEM symbolic parameter specifies the member name of the Profile in the Profile data set identified by &PROFDSN.

&BATCHNO

The &BATCHNO parameter specifies the Batch Number of the batch to be extracted from CONNECT:Mailbox.

The ADD BATCH TO CONNECT:Mailbox FROM FILE Screen

The **ADD BATCH TO CONNECT:Mailbox FROM FILE** screen enables you to specify DMSTOUT0 parameters.

```
NODE.NAME1        ADD BATCH TO CONNECT:Mailbox FROM FILE
CMD==>                                                      11:36
                                                            08.31.1999
BATCH ADD COMMAND PROFILE:                                  1999.243
  DATA SET NAME     ==> ICO.PROFLIB
  MEMBER NAME       ==> SUBADD01          (IF PARTITIONED)


BATCH DATA:
  FROM NODE         ==> NODE.NAME1___  (WHERE FILE RESIDES)
  DATA SET/FILENAME ==> ICO.LIB(XX)
  DATA SET TYPE     ==> TEXT____
  ASSIGN MAILBOX ID ==> _____
  ASSIGN USER BATCH ID  ==> DMTEST_____


SUBMIT PARAMETERS:
  PROCESS NAME      ==> MB#ADD01          LOCAL APPLID       ==> MBXLP
  NEWNAME (ALIAS)   ==> _____          C:M NAME           ==> MB01____
  PRIORITY          ==> __     (0-15)     C:M APPLID         ==> APPLID02
  CLASS             ==> ___    (0-255)    C:M LOG MODE TABLE ==> TESTLU62
  NOTIFY            ==> _____          C:M USERID         ==> USER____
  SECURITY OVERRIDE ==> N      (Y,N)      C:M PASSWORD       ==> PASS____


DO YOU WANT VALUES FOR THIS PROCESS TO BE CASE SENSITIVE? ==> YES
```

Access this screen from the SUBMIT A BATCH TO CONNECT:Mailbox option from the **CONNECT:Direct PRIMARY OPTIONS MENU** screen.

```
NODE.NAME1         CONNECT:Direct PRIMARY OPTIONS MENU
CMD ==>


SELECT ONE OF THE FOLLOWING:
  CF   - COPY A FILE                            ***********************
  SB   - SUBMIT A PREDEFINED PROCESS            *                     *
  DF   - DEFINE A PROCESS USING ISPF EDIT       * TODAY:  09.07.1999  *
  SS   - VIEW STATISTICS FOR A COMPLETED PROCESS  * TIME:   15:35      *
  MB   - SUBMIT A BATCH TO CONNECT:Mailbox      *                     *
  CP   - CHANGE CHARACTERISTICS OF A PROCESS    ***********************
  DP   - DELETE A NON-EXECUTING PROCESS
  FP   - FLUSH AN EXECUTING PROCESS
  SP   - VIEW DATA ABOUT AN EXECUTING PROCESS
  PS   - SUSPEND AN EXECUTING PROCESS


  MSG  - VIEW CONNECT:Direct MESSAGE TEXT
  SW   - SWAP AMONG CONCURRENT CONNECT:Direct SESSIONS
  SD   - VIEW/CHANGE YOUR CONNECT:Direct SIGNON INFORMATION DEFAULTS
  NM   - VIEW INFORMATION IN THE CONNECT:Direct NETWORK MAP
  WHO  - VIEW CHARACTERISTICS OF YOUR CONNECT:Direct IUI ENVIRONMENT
  SPF  - ENTER ISPF/PDF
  AUTH - VIEW YOUR CONNECT:Direct FUNCTION AUTHORIZATION
  MS   - SIGN ON TO MULTIPLE CONNECT:DIRECT NODES CONCURRENTLY
```

Statistics Facility and Reports

This section describes the enhancements to the CONNECT:Direct statistics facility and report function required by the InterCONNECT Option.

Report Content Changes

The InterCONNECT software copies the entire content of the SYSPRINT file of the DMSTOUT0 utility, into the CONNECT:Direct Statistics file. The report from DMSTOUT0 displays as a block by CONNECT:Direct. The InterCONNECT Option software imposes a limit of 200 lines for the report. Examples of the SYSPRINT report that details data transfers (ADD and EXTRACT) follow.

Example SYSPRINT Report with the ADD Function

```
DATE:  9/01/1999  TIME: 17:02:05.4                   CONNECT:MAILBOX CROSS LPAR UTILITY                              PAGE: 0001
CMA100 -- CONTROL RECORDS FOR THIS RUN:

--------->>>   ADD                                                              <<<---------
--------->>>   ID-MBX220                                                        <<<---------
--------->>>   BATCHID-'STOUT0_ADD'                                             <<<---------
--------->>>   LOG-YES                                                          <<<---------
***  INPUT  FILE CHARACTERISTICS:
      RECORD FORMAT  : F,B
      RECORD SIZE    :      80
      BLOCK SIZE     :  27,920
      INFILE  DDNAME : SYS00169   DSN: USER01.STOUT0.INFILE.T015749
      LOCAL ACBNAME  : MBICO000
      C:M ACB NAME   : SBLDUB88

REQ     MAIL BOX ------ MAIL BOX ------   -BATCH-   BYTES     INFILE    REQUESTS   BYTES     OUTFILE   RESPONSES  --ELAPSED TIMES---
TYPE    -- ID -- ------ BATCH ID ------   - NUM -- -- SENT -- -RECORDS-- - SENT - -- RCVD -- -RECORDS-- -- RCVD -- ----IN SECOND'S---


ADD     MBX220  STOUT0_ADD               0000117    4,774        56        1        348         0         1      6.66      6.66

CMA127 --  FUNCTION SUCCESSFULLY PROCESSED. CONDITION CODE - 00.
DATE:  9/01/1999  TIME: 17:02:05.4                   CONNECT:MAILBOX CROSS LPAR UTILITY                              PAGE: 0002
REQ     MAIL BOX ------ MAIL BOX ------   -BATCH-   BYTES     INFILE    REQUESTS   BYTES     OUTFILE   RESPONSES  --ELAPSED TIMES---
TYPE    -- ID -- ------ BATCH ID ------   - NUM -- -- SENT -- -RECORDS-- - SENT - -- RCVD -- -RECORDS-- -- RCVD -- ----IN SECOND'S---

FINAL CNTS ADD:         1   EXTRACT:        0     4,774        56        1        348         0         1      6.66      6.66
CMA154 --  PROCESSING COMPLETE, HIGHEST CONDITION CODE - 00
```

Data Type	Description
Req Type	Function request type: ADD
Mail Box ID	The 1–8 character Mailbox ID
Mail Box Batch ID	The 1–24 character User Batch ID
Batch Num	The unique 7-digit batch number assigned to the batch by CONNECT:Mailbox
Bytes Sent	The number of bytes sent to CONNECT:Mailbox
Infile Records	The number of records read from the input file by DMSTOUT0
Requests Sent	The number of blocks in the batch
Bytes Rcvd	The number of bytes received from CONNECT:Mailbox
Outfile Records	The number of records received by CONNECT:Mailbox
Responses Rcvd	The number of responses received from CONNECT:Mailbox
Elapsed Time in Seconds	The time required to complete the function, expressed in seconds

Example SYSPRINT Report with the EXTRACT Function

```
    DATE:  9/02/1999  TIME: 12:04:16.5              CONNECT:MAILBOX CROSS LPAR UTILITY                    PAGE: 0001

    CMA100 -- CONTROL RECORDS FOR THIS RUN:

    --------->>>    EXTRACT                                                  00010000 <<<----------
    --------->>>    ID-MBX220                                                  000200 <<<----------
    --------->>>    DELETE-NO                                                00030000 <<<----------
    --------->>>    BATCHID-'IUI_STOUT0C'                                    00040003 <<<----------
    --------->>>    TRANSPARENT-YES                                          00041001 <<<----------
    --------->>>    LOG-YES                                                  00050000 <<<----------

    ***  OUTPUT FILE CHARACTERISTICS:
         RECORD FORMAT  : F,B
         RECORD SIZE    :      830
         BLOCK SIZE     :    8,300
         OUTFILE DDNAME : SYS00041   DSN: USER01.STOUT0.OUTFILE.T040555
    ***  PRINT  FILE CHARACTERISTICS:
         RECORD FORMAT  : U
         RECORD SIZE    :        0
         BLOCK SIZE     :        0
         PRINT   DDNAME : SYS00044   DSN: NULLFILE
         LOCAL ACBNAME  : MBICO000
         C:M ACB NAME   : SBLDUB88


    REQ     MAIL BOX ------ MAIL BOX ------   -BATCH-  BYTES     INFILE    REQUESTS   BYTES    OUTFILE   RESPONSES  --ELAPSED TIMES---
    TYPE    -- ID -- ------ BATCH ID ------   - NUM -- -- SENT -- -RECORDS-- - SENT - -- RCVD -- -RECORDS-- -- RCVD -- ----IN SECOND'S---


    EXTRACT MBX220  IUI_STOUT0C            0000116     696        0        2    42,396       50        3    0.26     0.26

    CMA127 --  FUNCTION SUCCESSFULLY PROCESSED. CONDITION CODE - 00.
    DATE:  9/02/1999  TIME: 12:04:16.5              CONNECT:MAILBOX CROSS LPAR UTILITY                    PAGE: 0002
    REQ     MAIL BOX ------ MAIL BOX ------   -BATCH-  BYTES     INFILE    REQUESTS   BYTES    OUTFILE   RESPONSES  --ELAPSED TIMES---
    TYPE    -- ID -- ------ BATCH ID ------   - NUM -- -- SENT -- -RECORDS-- - SENT - -- RCVD -- -RECORDS-- -- RCVD -- ----IN SECOND'S---

    FINAL CNTS ADD:       0   EXTRACT:          1      696        0        2    42,396       50        3    0.26     0.26
    CMA154 --  PROCESSING COMPLETE, HIGHEST CONDITION CODE - 00
```

Data Type	Description
Req Type	Function request type: EXTRACT
Mail Box ID	The 1–8 character Mailbox ID
Mail Box Batch ID	The 1–24 character User Batch ID
Batch Num	The unique 7-digit batch number assigned to the batch by CONNECT:Mailbox
Bytes Sent	The number of bytes sent to CONNECT:Mailbox
Infile Records	The number of records read from the input file by DMSTOUT0
Requests Sent	The number of blocks in the batch
Bytes Rcvd	The number of bytes received from CONNECT:Mailbox
Outfile Records	The number of records received by CONNECT:Mailbox
Responses Rcvd	The number of responses received from CONNECT:Mailbox
Elapsed Time in Seconds	The time required to complete the function, expressed in seconds

Statistics Display

The statistics display function of the CONNECT:Direct for MVS IUI now supports 133-character records and horizontal scrolling using the standard ISPF scrolling function keys. Line wrapping is removed.

Maintenance Updates

The following table lists the current maintenance updates for InterCONNECT Option Version 1.2 Maintenance 01 (PUT 1201).

Product Issue Number	Explanation
758417	DMSTOUTL allows only one session between CONNECT:Mailbox and CONNECT:Direct.
755010	DSECT was changed in CONNECT:Direct for MVS Version 3.2.00 and caused a SOC1.

Appendix A

Message Updates

The following error messages were added or changed in InterCONNECT Version 1.2.

Message ID	Message text	Message Description	Action
CMA001S	NO INPUT CONTROL RECORDS FOUND.	No valid control cards were found in SYSIN dataset.	Add or correct control cards and rerun.
CMA002S	ONE OR MORE BLANKS REQUIRED IN FIRST POSITION OF CONTROL RECORD.	Every control record read must have a blank in position 1, except for comment records which may contain an asterisk in position 1.	Correct the input control cards and rerun.
CMA003S	NO DATA FOUND ON CONTROL RECORD.	A blank control record was found in the SYSIN dataset.	Correct the control record and rerun.
CMA009S	THE "ID" SPECIFIED DOES NOT EXIST IN THE VBQ.	The value specified by "ID=" does not exist.	Correct the control record and rerun.
CMA010S	NO VALID CONTROL RECORDS WERE FOUND.	All control records in the SYSIN dataset were invalid.	Correct the control records and rerun.
CMA011S	THE LAST CONTROL RECORD LISTED IS INVALID.	The control record listed on the SYSPRINT report immediately prior to this message is invalid.	Correct the control record and rerun.
CMA012E	THE $$ADD CARD ABOVE IS INVALID AND WILL BE TREATED AS DATA.	An imbedded $$ADD card was encountered in the input stream, but was found to be invalid and will be treated as data and added to the input batch as such.	Correct the $$ADD card and rerun, if necessary.
CMA015E	INVALID STMT, FORMAT MUST BE BATCHNUM=nnnnnn, BATCHN=nnnnnn, BATCHNUM=nnnnnn-nnnnnn OR BATCHN=nnnnnn-nnnnnn	The format of the EXTRACT control record is invalid.	Refer to the CONNECT:Mailbox Local User's Guide for the format for this control statement. Correct and rerun.

Message ID	Message text	Message Description	Action
CMA016E	CONTROL RECORD LISTED IS INVALID. FORMAT MUST BE BATCHID=xxx. . .xxx, BATCHID=#nnnnnn, or BATCHID="xxx. . .xxx"	The format of the EXTRACT control record is invalid.	Refer to the CONNECT:Mailbox Local User's Guide for the format for this control statement. Correct and rerun.
CMA051S	CROSS SYSTEM CLIENT CONTROL RECORD ERROR. 'ID=xxxxxxxx' ' IS REQUIRED FOR THIS EXECUTION.	The ADD function requries that "ID=xx...xx" be specified as a control statement.	Correct the control record.
CMA053S	CROSS SYSTEM CLIENT UNRECOVERABLE ERROR.	An unrecoverable error has occurred.	Contact your CONNECT:Mailbox support staff for assistance.
CMA054S	CONTROL RECORD "ID" MUST BE 1 TO 8 CHARACTERS IN LENGTH.	The value specified by "ID=" is invalid.	Correct the control record and rerun.
CMA057S	CONTROL RECORD BATCHID VALUE MUST BE 1 TO24 CHARACTERS, ENCLOSED IN QUOTES.	For ADD functions, the value specified for the "BATCHID=" is invalid.	Correct the control record and rerun.
CMA058S	EXTRACT PROCESSING ERROR. OUTPUT FILE RECORD SIZE MUST NOT EXCEED 32620.	The maximum size permitted for the output file is 32620.	Correct the execution JCL and rerun.
CMA060S	"ADD" WITHOUT ID/BATCHID CONTROL RECORDS REQUIRES A VALID ADD AS THE FIRST RECORD IN THE INPUT.	The expected ID= and BATCHID= statements were not found as the first record of the INPUT file on a $$ADD statement.	Refer to the CONNECT:Mailbox Local User's Guide for methods of supplying ADD control statements. Correct and rerun.
CMA063S	ADD PROCESSING ERROR. INPUT FILE RECORD SIZE MUST NOT EXCEED 32620.	The maximum INPUT file record size supported by CONNECT:Mailbox CSCU is 32,620 bytes.	Correct the INPUT file record size and rerun.
CMA064S	ADD PROCESSING ERROR. SEQUENTIAL INPUT FILE CONTAINS NO RECORDS.	The INPUT file specified is empty.	Specify a valid INPUT file and rerun.
CMA069E	STATUS AND STATOR ARE MUTUALLY EXCLUSIVE KEYWORDS.	The STATUS and STATOR keywords must not be used together within the same EXTRACT request.	Correct the control statements and rerun.
CMA071S	OPEN FAILED FOR LOGFILE.	LOG=YES was specified as a control statement, but the CONNECT:Mailbox CSCU was unable to open the LOGFILE dataset.	Supply a LOGFILE dataset or specify LOG=NO and rerun.
CMA073S	MAXIMUM OF 9 CARDS FOR USERRCD.	An invalid value was specified on the USERRCD= statement. Valid values are from 1 to 9.	Refer to the CONNECT:Mailbox Local Users Guide for information related to the USERRCD=keyword. Correct and rerun.

Message ID	Message text	Message Description	Action
CMA074S	NO ROOM FOR BID24 EXPANSION.	The variable "BID24" is specified on a USERRCD= statement, but due to the position of the variable on the statement, expansion of the BID24 variable is impossible.	The BID24 variable must be positioned on the USERRCD= statement to permit expansion of the variable (24 bytes) within the confines of the physical SYSIN statement. It must occur prior to the 56th position of the 80 byte SYSIN record.
CMA077S	LRECL FOR OUTPUT FILE IS ZERO.	The LRECL of the OUTPUT file must be greater than zero.	Correct the JCL and rerun.
CMA078S	ADD PROCESSING ERROR, $TURNLINE$ CANNOT BE FIRST RECORD OF A BATCH.	A 4TURNLINE$ was found as the first record of the INPUT file.	Correct and rerun. Refer to the CONNECT:Mailbox Local Users Guide for more information.
CMA079E	END OF FILE REACHED PREMATURELY.	An unexpected End-of-File condition occurred on the SYSIN dataset.	This condition occurs when a numeric value is specified on the USERRCD= control statement prior to reading the specified number of records.
CMA100I	CONTROL RECORDS FOR THIS RUN:	Information message preceding the display of control records for this process.	None required.
CMA101E	$$ADD ENCOUNTERED IN INPUT FILE WITHOUT A VALID ID AND BATCHID. THE RECORD WAS PROCESSED AS DATA.	An $$ADD statement was found in the INPUT file, but either the ID or BATCHID was not found or, if present, was invalid.	The $$ADD statement is processed as a data record. Correct and rerun if necessary.
CMA126S	PREVIOUS CONTROL CARD INVALID.	The last control statement printed on SYSPRINT is invalid.	Correct the control statement and rerun.
CMA127I	FUNCTION SUCCESSFULLY PROCESSED. CONDITION CODE = 00.	The ADD or EXTRACT completed with no errors when the displayed value of the condition code is 00 (double zero).	None required.
CMA128S	FUNCTION FAILED, CONDITION CODE = xx.	The current function failed.	The current function has failed with a condition code of xx. Refer to the SYSPRINT output for more information. Correct the identified problem(s) and rerun.
CMA129W	FUNCTION SUCCESSFULLY PROCESSED, BUT WARNING MESSAGES WRE ISSUED. CONDITION CODE = xx.	The current ADD or EXTRACT completed, but one or more warnings were issued.	Refer to the SYSPRINT file for more information. Correct any identified problems and rerun.
CMA136S	UNABLE TO PERFORM SYMBOLIC SUBSTITUTIONS, IMPROPER PLACEMENT OF USER RECORD VARIABLE: xxxxxxxx.	During the expansion of the variables specified on the USERRCD statements, a variable was found in an improper position of a record. The affected variable is displayed.	Refer to the CONNECT:Mailbox Local Users Guide for information pertaining to USERRCDs and the variables to use.

Message ID	Message text	Message Description	Action
CMA145S	CLOSE FAILED FOR: xxxxxxxx	While attempting to close the xxxxxxxx file, an error occurred.	Refer to the Console Log for more information. Correct the problem and rerun.
CMA146W	WARNING, OUTPUT RECORD TRUNCATION HAS OCCURRED, OUTPUT LRECL:xxxxxxxx LT LRECL RECEIVED: xxxxxxxx.	For an EXTRACT request. A record received from CONNECT:Mailbox is longer than the LRECL specified for OUTPUT. The record has been truncated to the value of the OUTPUT LRECL.	Correct the OUTPUT LRECL and rerun.
CMA147W	WARNING, OUTPUT RECORD PADDING HAS OCCURED, OUTPUT LRECL: xxxxxxx GT LRECL RECEIVED: xxxxxxx	For an EXTRACT request, a record received from C:M is longer than the LRECL specified for OUTPUT. The record has been truncated to the value of the OUTPUT LRECL.	Correct the OUTPUT LRECL and rerun.
CMA148E	ERROR, LRECL OF: dddddddd : xxxxxxx EXCEEDS MAXIMUM VALUE OF 32620.	The LRECL xxxxxxxx of file dddddddd exceeds the maximum of 32620. Execution of the ADD or EXTRACT terminates.	Correct the LRECL and rerun.
CMA150S	EXTRACT FAILED FOR BATRCH#: nnnnnnn, MBX APPC ERRCD: nnn	During the EXTRACT of BATCH# nnnnnnn, an APPPC error nnnn occurred.	Refer to the CONNECT:Mailbox Error Messages and Codes Guide in the chapter describing APPC Error Codes for an explanation of nnn. Correct the problem and rerun.
CMA151S	CURRENT ADD FAILED DUE TO MBX ERROR: nnnn.	During the current ADD function, an APPC error nnnn occurred.	Refer to the CONNECT:Mailbox Error Messages and Codes Guide in the chapter describing APPC Error Codes for an explanation of nnnn. Correct the problem and rerun.
CMA152S	ERROR, CURRENT FUNCTION TERMINATED DUE TO APPC CONVERSATION FAILURE: pppp/ssss.	An error at LU6.2 level has occurred. pppp/ssss are the VTAM Primary and Secondary APPC return codes.	Refer to the IBM VTAM LU6.2 Programming Reference Manual for more information. Correct the problem and rerun.
CMA153S	ERROR, GETMAIN FAILURE FOR: nnnnnnnn BYTES zzzzz the line.	During a request for storage a failure occurred, nnnnnnnn is the number of bytes requested and zzzzz is either "ABOVE" or "BELOW" and refers to storage addressed either above or below the 16 meg. line.	Ensure that a region of sufficient size was specified. Correct and rerun.
CMA154W	PROCESSING COMPLETE, HIGHTEST CONDITION CODE = nn.	The overall code of the current execution of CONNECT:Mailbox CSCU is nn.	Execution completed. Correct and rerun, if necessary.
CMA155W	NO BATCHES MEET CRITERIA SPECIFIED ABOVE.	No available batches were found meeting specified EXTRACT criteria. Execution completed but performed no work.	Verifty that EXTRAC criteria was specified correctly and that batches were available for extraction. Correct and rerun, if necessary.

Message ID	Message text	Message Description	Action
CMA156W	WARNING, THE PREVIOUS CONTROL STATEMENT IS UNSUPPORTED / UNNECESSARY AND WILL BE IGNORED.	The control statement listed previously is unsupported and/or unnecessary for the execution of CONNECT:Mailbox CSCU.	Execution continues. The listed statement is ignored.
CMA157W	WARNING, ONE OR MORE OF THE CURRENT EXTRACT PARAMETERS MAY BE IGNORED FOR BATCH: xxxxxxx, yyyyyyyyyyyy.	One or more control statements listed previously may not apply to the batch being extracted and may be ignored. xxxxxxxx is the batch number to be extracted and yyyyyyyyyyyy is either "OFFLINE ADDED' or 'API ADDED."	Execution continues.
CMA158E	ERROR, nnnnnnn, BLOCK SIZE IS NOT AN EVEN MULTIPLE OF LRECL.	The format of the file identified by the DDNAME nnnnnnn was specified as FIXED BLOCKED, but the blocksize is not a multiple of the LRECL specified.	Execution terminates. Correct the file allocation parameters for nnnnnnnn and rerun.
CMA159E	ERROR, nnnnnnnn, LRECL MUST BE AT LEAST 4 BYTES LESS THAN BLKSIZE FOR VARIABLE FORMAT FILES.	The format of the file identified by DDNAME nnnnnnnn was specified as VARIABLE BLOCKED, but the LRECL is less than (Blocksize - 4).	Execution terminates. Correct the file allocation parameters for nnnnnnnn and rerun.
CMA160E	ERROR, nnnnnnnn, MINIMUM LRECL SIZE FOR VARIABLE FORMAT FILES IS 5 BYTES.	The DDNAME identified by nnnnnnnn was specified to have a VARIABLE format, but the LRECL specified is less than 5.	Execution termiantes, correct the file allocation parameters for nnnnnnnn and rerun.
CMA161W	WARNING, LOG=YES SPECIFIED OR DEFAULTED TO YES AND LOGFILE DD FAILED TO OPEN.	Either LOG=YES was specified or allowed by default, but CSCU was unable to open the LOGFILE.	Execution continues with logging disabled. Correct and rerun, as required.
CMA162W	WARNING, COMBINED USER RECORD(S) LENGTH GREATER THAN LRECL OF OUTPUT FILE, THEY WILL BE TRUNCATED. '	The lengths of all the user records specified in a single USERRCD= set exceeds the LRECL of the output file.	Execution continues; user records will be truncated to comply with the LRECL for the output file.
CMA163W	WARNING, ONE OR MORE BATCHES FLAGGED FOR DELETE WERE NOT EXTRACTED.	One or more selected batches were not processed because their DELETE flag is on. Processing continues with next selected batch.	If you need to process DELETE batches, use the STATOR=DELETE or STATUS=DELETE option, or specify the BATCHNUM and resubmit CSCU.
CMA164W	WARNING, ONE OR MORE TRANSPARENT BATCHES WERE NOT EXTRACTED.	One or more selected batches were not processed because they have transparent data, and transparent data cannot be processed because TRANSPARENT=NO was specified. Processing continues with other selected batches.	If processing batches with transparent data is needed, specify TRANSPARENT=YES and resubmit CSCU.

Message ID	Message text	Message Description	Action
CMA165W	WARNING, ONE OR MORE BATCHES FLAGGED INCOMPLETE WERE NOT EXTRACTED.	One or more selected batches were not processed because they are marked as incomplete. Processing continues with other selected batches.	If you need to process incomplete batches, specify STATOR=INCOMPLETE or STATUS=INCOMPLETE, and resubmit CSCU.
CMA166W	WARNING, ONE OR MORE BATCHES FLAGGED IN PROGRESS WERE NOT EXTRACTED.	One or more selected batches were not processed because they are marked as in progress. Processing continues with other selected batches.	If processing incomplete batches is needed, specify STATOR=PROGRESS or STATUS=PROGRESS, and resubmit CSCU.
CMA167W	WARNING, ONE OR MORE BATCHES PREVIOUSLY EXTRACTED HAVE BEEN EXTRACTED.	One or more selected batches have been extracted before. This might be an error.	Review the EXTRACT Report to ensure that you have extracted you wanted to extract.
CMA168W	WARNING, ONE OR MORE BATCHES MARKED UNEXTRACTABLE HAVE NOT BEEN EXTRACTED.	One or more selected batches are marked as UNEXTRACTABLE.	To extract a batch marked as UNEXTRACTABLE, use the CSCU STATFLAG function or the ISPF/CICS interfaces to unlock the batch and rerun the extract.
CMA169W	WARNING, ONE OR MORE BATCHES FLAGGED FOR DELETE HAVE BEEN EXTRACTED.	One or more selected batches were successfully processed even though they are marked as deleted. Specifying STATOR=DELETE or STATUS=DELETE, with BATCHNUM= caused CSCU to select them for processing. Processing continues.	Review the output data to ensure you have the information you need.
CMA170W	WARNING, ONE OR MORE BATCHES FLAGGED INCOMPLETE HAVE BEEN EXTRACTED.	One or more selected batches were successfully processed even though they are marked as incomplete. Specifying STATOR=INCOMPLETE or STATUS=INCOMPLETE, caused CSCU to select them for processing. Processing continues.	Review the output data to ensure it is complete.
CMA220S	GENCB: BLOCK=ACB FAILED, R0: xxxxxxxx / R15 yyyyyyyy.	A GENCB=ACB macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA221S	GENCB: BLOCK=RPL FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	A GENCB=RPL macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.

Message ID	Message text	Message Description	Action
CMA222S	OPENACB: REQUEST FAILED, R0: xxxxxxxx / R15: yyyyyyyy ACBNAME: nnnnnnnn ACBERFLG: ff.	An Open ACB request has failed. Interesting values at the time of failure are displayed as follows: xxxxxxxx displays the hexadecimal value of the contents of General Register 0. yyyyyyyy displays the hexadecimal value of the contents of General Register 15. nnnnnnnnn displays the name of the ACB for which the OPEN failed. ff displays the error flags from the ACB.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA223S	VTAM: SETLOGON FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	A SETLOGON macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA224S	APPCMD: DISPLAY FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	An APPC DISPLAY macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA226S	APPCCMD: DISPLY3 FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	An APPC DISPLAY macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA227S	APPCCMD; SETCNO1 FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	An APPC CNOS macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA232S	APPCCMD: CHANGE SESSLIM, R0: xxxxxxxx / R15: yyyyyyyy.	An APPC SESSLIM macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA233S	APPCCMD: ALLOCD FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	An APPCALLOCD macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.

Message ID	Message text	Message Description	Action
CMA234S	APPCCMD: SNDRQ-1 FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	An APPC SEND macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA235S	APPCCMD: SNDRQ-2 FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	An APPC SEND macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA236S	APPCCMD: RCVRQ-1 FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	An APPC RECEIVE macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA237S	APPCCMD: RCVRQ-2 FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	An APPC RECEIVE macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA238S	CLOSACB: REQUEST FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	A CLOSE ACB macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA239S	MODCB: REQUEST FAILED, R0: xxxxxxxx / R15: yyyyyyyy.	A VTAM MODCB macro has failed. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.
CMA240S	OPENACB:ALL ACB'S IN USE R0: xxxxxxxx / R15: yyyyyyyy.	All ACBs known to the CONNECT:Mailbox CSCU were busy. xxxxxxxx and yyyyyyyy display the hexadecimal values of the contents of General Registers 0 and 15 at the time of failure.	Contact CONNECT:Mailbox Technical Support for assistance.

Message ID	Message text	Message Description	Action
CMA250S	APPC/FC:rr/cc PRI/SEC RC: pppp/ssss WRI: ww CCS: ss SNS:	This message indicates the state of the ROL6 control block when an APPC failure is detected. • rr/cc represent the APPC request and function codes • www represents the What Received Indicator • ss represents the current conversation state indicator • xxxxxxxx represents the RPL6SNSI (sense bytes in) field from the RPL APPC Extension (ISTRPL6).	Contact CONNECT:Mailbox Technical Support for assistance.
SIOB000I	CONNECT:Mailbox ADD or EXTRACT processing complete.	Successful execution of DMSTOUT0. Results are indicated by the return code.	None Required
SIOB003I	No input parameters passed to DMSTOUT0.	The RUN TASK statement for DMSTOUT0 did not specify any parameters.	Complete the RUN TASK statement.
SIOB004I	Incorrect number of parameters passed to DMSTOUT0.	The RUN TASK statement for DMSTOUT0 did not specify 18 parameters. The required parameters, in order are: (1) "ADD" or "EXT", (2) Profile DSN, (3) Profile member, (4) "SYSIN" DSN, (5) "SYSPRINT" DSN, (6) "INFILE" or "OUTFILE" DSN, (7) "LOGFILE" DSN, (8) "PRINT" DSN (9) RMTID, (10) BATCHID, (11) BATCHNO, (12) MAILBOX Name (13) Local VTAM APPL (14) MAILBOX APPL (15) LOGMODE Table (16) MAILBOX USERID (17) MAILBOX PASSWORD (18) VTAM Buffer Size	Correct the RUN TASK statement.
SIOB005I	Incorrect length of first parameter passed to DMSTOUT0.	The RUN TASK statement for DMSTOUT0 specified a first parameter that was not 3 characters long. The valid values for the first parameter are: "ADD" or "EXT".	Correct the RUN TASK statement.
SIOB006I	Incorrect value of first parameter passed to DMSTOUT0.	The RUN TASK statement for DMSTOUT0 specified a first parameter that was not a valid value. The valid values for the first parameter are: "ADD" or "EXT".	Correct the RUN TASK statement.

Message ID	Message text	Message Description	Action
SIOB007I	Incorrect length of second parameter passed to DMSTOUT0.	The RUN TASK statement for DMSTOUT0 specified a second parameter that was less than 1 character or more than 46 characters long (including quotes). The second parameter is the profile data set name which must be a valid MVS DSNAME.	Correct the RUN TASK statement.
SIOB008I	Incorrect length of third parameter passed to DMSTOUT0.	The RUN TASK statement for DMSTOUT0 specified a third parameter that was less than 1 character or more than 8 characters long. The third parameter is the profile member name.	Correct the RUN TASK statement.
SIOB009I	Incorrect length of fourth parameter passed to DMSTOUT0.	The RUN TASK statement for DMSTOUT0 specified a fourth parameter that was less than 1 character or more than 56 characters long (including quotes). The fourth parameter is the data set name of the temporary file which will be passed as "SYSIN" to MBAPI0.	Correct the RUN TASK statement.
SIOB010I	Incorrect length of fifth parameter passed to DMSTOUT0.	The RUN TASK statement for DMSTOUT0 specified a fifth parameter that was less than 1 character or more than 56 characters long (including quotes). The fifth parameter is the data set name of the temporary file which will be passed as "SYSPRINT" to MBAPI0.	Correct the RUN TASK statement.
SIOB011I	Incorrect length of sixth parameter passed to DMSTOUT0.	The RUN TASK statement for DMSTOUT0 specified a sixth parameter that was less than 1 character or more than 56 characters long (including quotes). The sixth parameter is the data set name of the temporary file which will be passed as "INFILE" or "OUTFILE to MBAPI0.	Correct the RUN TASK statement.