masc-ato

Automated Transaction Operator Messages and Codes
***

VSE/MVS
Version 4.1.0

MATO-MC410-1-E

Distributor:	***masc ag*** Dept. SWD Birkenstr. 49 CH-6343 Rotkreuz (Switzerland)
Telephone:	041 / 790 53 44 International: (+41) 41 790 53 44
Telefax:	041 / 790 53 40 International: (+41) 41 790 53 40
Office hours:	8 - 12h, 14 - 17h CET (Mo - Fr)

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Further copies of this documentation may be ordered with the enclosed order form.

PREFACE

This manual describes the error messages and return codes of Automated Transaction Operator (***masc-ato***). Further it contains information on how to find the causes of errors.

Changes in this publication are summarized under the heading "Summary of Changes". Technical changes are marked with a vertical bar | in the left-hand margin.

DOCUMENTATION OVERVIEW

The following ATO documents and manuals are available:

- MATO-HO410-1-E ***masc-ato*** "Automated Transaction Operator": *Handout*
- MATO-GI410-1-E ***masc-ato*** "Automated Transaction Operator": *General Information*
- MATO-UG410-1-E ***masc-ato*** "Automated Transaction Operator": *User's Guide*
- MATO-IN410-1-E ***masc-ato*** "Automated Transaction Operator": *Installation Guide*
- MATO-MC410-1-E ***masc-ato*** "Automated Transaction Operator": *Messages and Codes*
- MATO-SA410-1-E ***masc-ato*** "Automated Transaction Operator": *Samples*

A complete set of manuals is included with the software package. More sets of these manuals and documents may be ordered with the enclosed order form.

Changes in the March 1998 Edition

New message ATO226I

TABLE OF CONTENTS

1. INTRODUCTION

masc-ato distinguishes four categories of error messages and return codes:

- **JCL return codes**
- **Assembly error messages (compatibility mode)**
- **Run-time error messages**
- **Diagnostic messages (ATO_SET_SESSION_PARAMETERS or PROLOG: SUPPORT=YES)**

Each one of these categories is described in more detail in the following chapters. ***masc-ato*** messages are seven characters long, beginning with the prefix "ATO" followed by a three digit numerical value. The last character describes the level of the error condition.

Format of the ATO messages

ATO*nnnX* **Message text**

Where

ATO	=	Product information
nnn	=	Message number
X	=	Seriousness of the error:
		I Information (RC = 0)
		W Warning (RC = 0 or 4)
		E Error (RC = 8 or higher)
		A Action (Operator or User intervention required)

2. ERROR TRAPPING

masc-ato writes several reports and listings with the assembly, linking and execution:

1. Assembly listing
2. Link listing
3. PUTLOG-report
4. PUTLST-report
5. JCL listing
6. Messages on the console (console-log)
7. TP-monitor log (i.e. CICS-listing)
8. Transaction output

To correctly trap errors it is recommended to examine all the reports created by the assembler, the linkage editor and ***masc-ato***.

2.1.Assembly Listing

Errors in assembling normally point to incorrect coding of ***masc-ato*** commands. All ATO commands are assembler macros and follow the assembler conventions. These are summarized and explained in the chapters "Notations and Conventions" and "General Notation Rules" of the " ***masc-ato*** *User's Guide*". The conventions and its descriptions are found in the corresponding assembler manuals.

If you are sure that none of the assembler rules have been violated, check the executorial order of the macro sequences, which is presented in the " ***masc-ato*** *User's Guide*" in the chapter "ATO Structure". Make sure that a corresponding branch mark, declared with the MARK statement, has been assigned for each FOUND-, NFOUND-, EOF- and GOTO MARK parameter. Commands with a TO parameter are to be allocated to the corresponding FILL or MAPFLD fields.

Errors often occur in correlation with the COPY command. It has to be remembered that changes of predefined dialog sequences only become active when the complete dialog is newly assembled.

If assembly errors occur after a ***masc-ato*** release change, the command causing the error should be checked against the definitions in the " ***masc-ato*** *User's Guide*" and coded in the correct way.

2.2.Link Listing

Link errors have no correlation to ATO. Consult the corresponding messages and codes manual of the corresponding IBM literature to review the error message.

2.3.PUTLOG-Report

During the initial phase of ***masc-ato*** the PUTLOG report is opened and the headings containing the message numbers ATO001 - ATO004 are written. If these headings do not appear, the ***masc-ato*** base installation as well as the JCL used should be checked for correct coding.

Check entries are written for almost all actions of ***masc-ato*** to the PUTLOG report in order to guarantee accurate diagnosis in case of application or ***masc-ato*** internal errors. By defining the

SUPPORT=YES in the PROLOG command, additional enhanced diagnostic entries can be requested. These entries are essential to the support center for appropriate error diagnoses.

The ***masc-ato*** command PUTLOG gives a further opportunity to write entries to the PUTLOG report (see " ***masc-ato*** *User's Guide*", chapter" PUTLOG").

2.4.PUTPRT-Report

The PUTPRT report normally appears at the end of the output of the ***masc-ato*** run. Under VSE the assignment of SYS001 to a virtual printer is necessary.

A detailed explanation can be found in the " ***masc-ato*** *User's Guide*" in the chapter "PUTPRT".

2.5.JCL Listing

For an accurate diagnoses the following JCL parameters have to be set:

VSE: // OPTION LOG,PARTDUMP

MVS: JES2: //... JOB ... MSGLEVEL=(1,1) and //SYSUDUMP DD SYSOUT=*

2.6.Messages on the Console (Console Log)

Messages like ATO005, ATO006 and ATO031 appear in the PUTLOG report as well as on the operating system console. Using the command PUTWTO, additional entries may be listed to the console (see " ***masc-ato*** *User's Guide*" chapter "PUTWTO").

2.7.TP Monitor Log

TP monitors like CICS write entries for LOGON and LOGOFF, as well as dialog error messages to a separate log report. These entries mostly contain a message number and the corresponding error text. Consult the relevant messages and codes manual.

2.8.Transaction Output

masc-ato operates within the TP monitor transactions and can initiate a printing command on a local printer as well. This can be helpful with certain applications software, e.g.. SAP-hardcopy with A on line/column 24/5. In CICS a local printer may be assigned with the transaction CMSG.

2.9.Error Diagnosis by the Support Center

The following documentation should be supplied if an error diagnoses by the support center is needed, in order to get a quick and accurate response to circumvent or correct your problem:

1. JCL listing of the abnormal terminated ***masc-ato*** run.

2. Assembly report of the ***masc-ato*** dialog with the PROLOG parameter SUPPORT=YES.

3. PUTLOG and PUTPRT reports.

4. Contact address, telephone number and if possible fax number of the responsible person.

Besides the usual guarantee and service contracts, an expanded standby support service is offered in order to help you with a correct and efficient application of ***masc-ato***. Do not hesitate to contact your local representative if you have problems with the installation and running of ***masc-ato.***

3. JCL RETURN-CODES

JCL return codes may occur during the assembly, link or execution of a ***masc-ato*** dialog. Assembly errors point to incorrect coding of a ***masc-ato*** dialog. This will possibly result in assembler program and/or ***masc-ato*** error messages.

masc-ato syntax errors in a dialog are identified with the message MSG200 and a JCL return code RC=8.

Following figure lists the possible JCL return codes and the probable cause of the error:

JCL Return Code	ATO Error Report	Cause
00		Normal end of the dialog
04		ATO Warning or User return code of ABORT/MAP RC=4
08	ATO200E	Assembly or link error
12		Assembly error, link error or User return code of ABORT/MAP RC=12
16		Assembly error, link error or User return code of ABORT/MAP RC=16

In REXX dialogs, the JCL return code is not set automatically by ***masc-ato*** but is the responsibility of the dialog itself.

4. *masc-ato* MESSAGES

ATO001I AUTOMATED TRANSACTION OPERATOR V*nn.nn.nn*, SERIALNR: *sernr*, EXPIRATION DATE: *xxx yyyy-mm-dd hh:mm:ss.ss*
ATO002I blank
ATO003I LOG-LIST
ATO004I blank

Explanation: As title, the internal version number and serial number are displayed. The serial number always has to be mentioned when an error is reported to the support center. For licences that are still in the "test" status, there follows the expiration date, otherwise NONE is displayed. Then follow the start date and time of the job.

System Action: The messages are written to ATOLOG, processing continues.

User Action: None

ATO005I SID=*s*, WAITING FOR NETNAME=*netname*

Explanation: This message is displayed on the console**. *masc-ato*** attempts to open the network name *netname* as defined in the ATO_SET_SESSION_PARAMETERS or PROLOG NETNAME parameter. The VTAM request OPEN ACB returns an error code, a detailed description of the possible reasons may be found in the VTAM manuals.

Often, the following situations may prevent a successful open of the network address:

a) The network name *netname* has not been defined in the VTAM application major node.
b) The network name *netname* has not been activated.
c) The multidomain definitions are not active.
d) The network name *netname* is reserved by another ***masc-ato*** application.
e) VSE: VTAM access via VAE is rejected
f) VSE: The LIBDEFs in the partitions do not contain the VTAM libraries

System Action: A return code from CTLACBO/SLUNET greater than 0 causes CTLSLEEP to initiate a wait of 60 seconds.

User Action: List the current status of the network address with the VTAM console command D NET,ID=*netname*,E where *netname* is the network name defined in the PROLOG NETNAME statement. A VTAM message like IST453I ID PARAMETER VALUE INVALID in response to this command means that the network name is not active or unknown to VTAM and has to be activated with the corresponding VTAM commands (e.g. V NET,ACT,ID=*netname*)

The job does not have to be canceled. After a successful activation of the application nodes or the multidomain definitions, ***masc-ato*** automatically opens the ACB and continues with the execution of the dialog.

ATO006I SID=*s*, WAITING FOR APPLID=*applid*

Explanation: This message is displayed in the PUTLOG report as well as on the console.
The following reasons may be the cause why the application *applid* is not ready:

a) The CICS application major node is not activated or the defined ACB name in the CICS SIT definitions has not yet been opened by DFHSIP/ZCP.

b) The NIB name is not available for this application, e.g. the CICS TCT entry does not exist or cannot be created by the Autoinstall program, or the network name is out of service in CICS.

System Action: A return code from CTLREQS greater than 0 causes CTLSLEEP to initiate a wait of 60 seconds.

User Action: Review the installation and definitions according to the" ***masc-ato*** *Installation Manual*". Search for DFHxxx messages in the CICS log for the corresponding TERMID. Review the part in your Autoinstall program dealing with the ***masc-ato*** network names for correct functioning. Ensure that a user DFHNEP does not perform any incorrect actions against a logical terminal.

Make sure that the terminal is in Service (e.g. with CEMT INQ NETNAME(ATO*)).

To avoid problems with CICS terminals being out of service, we recommend the use of AUTOINSTALL instead of TCT tables. Consult the corresponding CICS manual on how to implement the Autoinstall program and the necessary definitions to activate this program.

ATO007E SID=*s*, INVALID BIND/MODENT

Explanation: ***masc-ato*** rejects the bind from the TP-monitor and sets a JCL Return code=08.

reason kann folgenden Inhalt haben:

INVALID FORMAT/TYPE
INVALID FM PROFILE
INVALID TS PROF
INVALID PRI PROT
INVALID SEC PROT
INVALID COM PROTL
INVALID SEC RU SIZE
INVALID PRI RU SIZE
INVALID PS PROF TYPE
INVALID PS PROF FLAGS
INVALID DEF PS SIZE
INVALID ALT PS SIZE

System Action: ***masc-ato*** tries to select the best possible match of the protocol provided by the TP monitor. If this match is outside of a predefined frame, ***masc-ato*** terminates the handshaking.

User Action: See message ATO006.

ATO008I SID=*s*, BIND ACCEPTED

Description: ***masc-ato*** has accepted the bind of the TP monitor.

System Action: ***masc-ato*** reviews the bind parameter.

User Action: None

ATO009I SID=*s*, RU SIZE *type* **IS** *size*

Description: *size* was defined as RU size. If *type* is PRI, the value of *size* shows the primary, in case of SEC the secondary RU size.

System Action: None.

User Action: None

ATO031I SID=*s*, WAITING FOR LOGTERM=*logterm***

Explanation: ***masc-ato*** is waiting for the allocation of the LOGTERM display screen *logterm*. This message only appears if the parameter LOGTERM=*logterm* has been defined in the ATO_SET_SESSION_PARAMETERS or PROLOG statement.

System Action: CTLSLEEP initiates a waiting time of 60 seconds. This message is displayed again on the console after the next unsuccessful bind.

User Action: Ensure that the display screen *logterm* is activated and ready.

ATO040E LOOP-COUNT HAS BEEN EXCEEDED

Explanation: ***masc-ato*** has determined that the loop counter has been exceeded (PROLOG LOOP=).

System Action: ***masc-ato*** terminates with CTLACBC and sets a JCL return code of 8.

User Action: In recursive MAP executions define a SLEEP statement before the GOTO .

ATO043E SID=*s*, TIME-OUT HAS BEEN EXCEEDED

Explanation: The TP monitor or the logical display screen has not answered within the predefined response time. This value is set in the TIMEOUT parameter of the ATO_SET_SESSION_PARAMETERS or PROLOG statement and may locally be redefined with the TIMEOUT parameter in the MAP statement. ***masc-ato*** acts as a display screen user and expects an answer within a predefined time limit.

System Action: The outstanding answer is ignored and ***masc-ato*** terminates the dialog with CTLACBC and a JCL return code of 8 is set.

User Action: If the cause of this termination is a high system load, the value in the ATO_SET_SESSION_PARAMETERS or PROLOG TIMEOUT parameter should be

increased by a factor of 2. If the problem is an excessive running time of a transaction, the local TIMEOUT parameter in the MAP statement has to be increased.

See the description of the TIMEOUT parameter in the " ***masc-ato*** *User's Guide*".

ATO047W SID=*s*, OUTSTANDING PENDING REQUEST DETECTED

Explanation: If a dialog is terminated with still some requests PENDING, this message appears on the log.

System Action: A JCL return code of 4 is set and the processing is completed normally.

User Action: To avoid outstanding PENDINGs, it is often good practice to code a PENDING before the 'MAP LASTMAP=YES' macro. See also the description of the PENDING macro in the "***masc-ato*** *User's Guide*".

ATO050I *text*

Explanation: *text* is the data content of the DATA parameter in the PUTWTO statement and is displayed on the console.

System Action: The processing is continued.

User Action: None

ATO054W EXPIRATION DATE=*date*

Explanation: The installed version of ***masc-ato*** is time protected until *date*.

System Action: This message is output to the ATOLOG, as well as the operating system console. Processing is continued.

User Action: The support center of ***masc*** can provide you all the necessary information to remove the expiration date. Please always indicate the serial number that appears in message ATO001I. The address and fax number are on the title pages of this manual.

ATO055E EXPIRED AT *date*

Explanation: The time protection of ***masc-ato*** has expired. Further executions of ***masc-ato*** dialogs are only possible when the current version is validated by the licensor and a valid license for ***masc-ato*** is obtained.

System Action: ***masc-ato*** terminates the dialog with a return code of 16 .

User Action: In the case of a test installation, you have to obtain a valid license for ***masc-ato***. In the case that you are in possession of a valid license agreement for ***masc-ato***, please check the validation according to the supplement " ***masc-ato*** Validation" in the " ***masc-ato*** *Installation Guide*".

ATO056I SID=*s*, MAP-KEY=PA1/PA2/PA3/CLEAR REQUESTED

Explanation: The function keys PA1, PA2, PA3 and CLEAR are handled differently than the other PF keys. ATO confirms with this message, that the corresponding function key is required.

System Action: Processing is continued.

User Action: None.

ATO059E SID=*s*, APPLTRY COUNT HAS BEEN EXCEEDED

Explanation: The value in the parameter APPLTRY of the ATO_SET_SESSION_PARAMETERS or PROLOG command has been exceeded. This value defines the number of retries ***masc-ato*** has available to establish a successful connection to the corresponding application.

System Action: Processing is aborted with a JCL return code of 8.

User Action: Check the value in the APPLTRY parameter of the ATO_SET_SESSION_PARAMETERS or PROLOG command and correct it accordingly. A lower value can still be defined intentionally, to ensure that the ***masc-ato*** dialog is only executed when the application is really active and free. In this case it should be checked why the network connection to the application was not active.

ATO060I SID=*s*, TRANSACTION PENDING

Explanation: This message shows that a transaction is still missing.

System Action: Processing is continued.

User Action: None

ATO061W SID=*s*, NO TRANSACTION PENDING

Explanation: This message is generated with the calling of the PENDING command, and confirms that no further transactions are outstanding and that the NFOUND condition has been fulfilled.

System Action: Processing is continued at the jump address of the NFOUND parameter of the PENDING command.

User Action: None.

ATO062I SID=*s*, QUEUED TRANSACTION ACCEPTED

Explanation: The message or transaction that has been fetched by the PENDING command has been accepted. The dialog is responsible for correct processing.

System Action: Processing is continued at the jump address of the FOUND parameter of the PENDING command.

User Action: None.

ATO063W SID=*s*, QUEUED TRANSACTION NOT ACCEPTED

Explanation: The rejected transaction can't be initiated with PENDING, because the dialog is in the processing phase of a transaction.

System Action: Processing is continued.

User Action: Define the PENDING command after the transaction end.

ATO068A SID=*s*, WAITING FOR YOUR 'LOGON APPLID(*netname***)'**

Explanation: The use of LOGTERM=LOGON in the ATO_SET_SESSION_PARAMETERS or PROLOG command allows a LOGON for the LOGTERM. This message shows that ***masc-ato*** is ready for the LOGTERM and is waiting for the command LOGON APPLID(*netname*).

System Action: ***masc-ato*** outputs this message to the operating system console every minute and waits with the processing until the LOGTERM function has been activated with the LOGON APPLID(*netname*) command.

User Action: Enter the command LOGON APPLID(*netname*) or the corresponding function in the session manager where *netname* equals the value that has been defined in the NETNAME parameter of the ATO_SET_SESSION_PARAMETERS or PROLOG command.

ATO069I SID=*s*, UNBIND ACCEPTED FROM *applid*

Explanation: ***masc-ato*** has accepted the termination of the application *applid.* This message may appear with the ending of a dialog (Unbind), or with the change to another application (Session Passing).

System Action: Processing is continued.

User Action: None.

ATO072I SID=*s*, MAP-LASTMAP=YES/PASS

Explanation: ***masc-ato*** has recognized the last display screen to be processed before the ending of a dialog, or before the transfer to a new session and points out this situation with this message.

System Action: Processing is either transferred to the internal termination routines, or the necessary precautions are made for the transfer of the processing to the new session in the case of MAP LASTMAP=PASS.

User Action: None.

ATO074I PROLOG-LOOP SET TO NEW COUNT

Explanation: ***masc-ato*** has set the internal loop counter to the value defined in the LOOP command.

System Action: Processing is continued.

User Action: None.

ATO082I TIMEOUT-CONTROL SUPPRESSED ON USER REQUEST

Explanation: The internal time out control has been suppressed with the definition of TIMEOUT=1440 in the ATO_SET_SESSION_PARAMETERS or PROLOG command. On one hand an increase in performance of ***masc-ato*** can be reached as ***masc-ato*** does not make any more time checks; on the other hand ***masc-ato*** can't terminate the dialog due to time exceeded.

System Action: Processing is continued.

User Action: The parameter TIMEOUT=1440 of the ATO_SET_SESSION_PARAMETERS or PROLOG command should only be used in tested and dialogs that have been proved to run correctly. In the development phase this parameter should be left at the default value.

ATO200E SID=s, INVALID PARAMETER *parameter*

Explanation: *parameter* is not valid, i.e., it is higher than the maximum allowable value or has an invalid format.

System Action: Processing is terminated.

User Action: Correct the wrong parameter.

ATO201I SID=s, CALLED WITH FUNC=*func*, POS=*pos*, LEN=*len*, STR=*aid*
ATO202I SID=s, DONE, RC=X'00000000', POS=*pos*, LEN=*len*, STR=*aid*

Explanation: This message shows which function is sent to which session. The field SID indicating the session obviously can only be filled after a session has successfully been established. As additional important information the cursor position, the length of the buffer, and the AID pressed are also shown.

System Action: Processing continues.

User Action: None.

ATO203E LU TASK ATTACH ERROR, RC=*rc*

Explanation: The module ATOOCO could not be called.

System Action: Processing terminates.

User Action: Please check if the module can be found in the joblib/steplib concatenation. Report the error to the ***masc*** support center.

ATO204E LU TASK EXEC ERROR, RC=*rc*

Explanation: While executing module ATOOCO, a serious error occured..

System Action: Processing terminates.

User Action: Report the error to the ***masc*** support center.

ATO205E LOAD ERROR, CC=*cc*

Explanation: The module ATOEXI could not be loaded.

System Action: Processing terminates.

User Action: Please check if the module can be found in the joblib/steplib concatenation.

ATO206E INVALID SERIAL NUMBER

Explanation: The serial number is invalid.

System Action: Processing terminates with a return-code of 16.

User Action: If you already applied the PTF to remove the expiration date, please check if the right offsets were specified. A wrong offset may destroy the serial number. If you cannot activate an original version of the module, please contact the ***masc*** support center.

ATO207E INVALID EXPIRATION DATE

Explanation: The expiration date is invalid.

System Action: Processing terminates with a return-code of 16.

User Action: Please check if the job to remove the expiration date ran without any errors. Contact the ***masc*** support center.

ATO208E ATOEXI: INVALID MODULE HEADER

Explanation: The module ATOEXI is invalid.

System Action: Processing terminates.

User Action: Check if the assembly and link of module ATOEXI was assembled and linked well.

ATO210I SID=s, SUPPORT=
ATO211I SID=s, DIALOG=
ATO212I SID=s, NETNAME=
ATO213I SID=s, APPLID=
ATO214I SID=s, APPLTRY=
ATO215I SID=s, LOGTERM=
ATO216I SID=s, LOGTIME=
ATO217I SID=s, LOGTRY=
ATO218I SID=s, LINEOV=
ATO220I SID=s, MDTAUTO=
ATO221I SID=s, TIMEOUT=
ATO222I SID=s, LOGMODE=
ATO223I SID=s, LOGTERMMODE=
ATO225I SID=s, AUTOPEND=
ATO226I SID=s, LOGAID=

Explanation: These messages list the runtime parameters ATO_SET_SESSION_PARAMETERS or PROLOG command respectively.

System Action: Processing terminates continues.

User Action: None.

ATO230E ATOEXI MODULE HEADER NOT FOUND

Explanation: The module ATOEXI is invalid.

System Action: Processing terminates.

User Action: Check if the assembly and link of module ATOEXI was assembled and linked well.

ATO231E ATOEXI: INVALID MODULE RELEASE

Explanation: The module ATOEXI is invalid.

System Action: Processing terminates.

User Action: Check if the assembly and link of module ATOEXI was assembled and linked well.

ATO300I SID=s, VTAM ACB OPEN ERROR, RC=*nnnn,nnnn*

Explanation: VTAM OPEN ACB failed, the reason is contained in reason code RC.

System Action: Processing terminates with a return-code 16.

User Action: Check the reason-code in the VTAM literature and follow the actions described there.

ATO301I SID=s, *control-block* ADDRESS=*addr* LENGTH=*len*

Explanation: This message shows the address and length of some control blocks. Often there follows a ATO302I message showing dump information for the control block.

Examples for *control-block* are

ACB IN ERROR
BIND IMAGE
BIND RU
DATA RECEIVED
LOGON RPL
LOGON RU
LOGTERM BIND IMG
NSEXIT RPL
NSEXIT RU
RECVEXIT DATA
RECVEXIT DATA LO
RECVEXIT RPL
RECVEXIT RPL LOG
RPL IN ERROR
RPL/ACB
SCIP RPL
SCREEN BUFF
SEND READ BUFFER
SEND READ MOD.
UNBIND RU

System Action: Processing continues.

User Action: None.

ATO302I 00000000 40404040 40404040 40404040 40404040 * * 0000
Address Hex Dump Char-Dump Offset

Explanation: This message show the contents of storage blocks. The preceding ATO301I message shows, which block is shown. This information only appears when SUPPORT=YES is turned on, it is important primarily for debugging purposes.

System Action: Processing continues.

User Action: None.

ATO310I SID=s, SCIP EXIT

Explanation: Trace information for debugging purposes.

System Action: Processing continues.

User Action: None.

ATO311I SID=s, LOGON EXIT, LU=*luname*

Explanation: Besides the information that logon processing terminated, also the LU name is shown.

System Action: Processing continues.

User Action: None.

ATO312I SID=s, LOST EXIT, LU=*luname*, REASON CODE=*nnnn*

Explanation: Trace information for debugging purposes.

System Action: Processing continues.

User Action: None.

ATO313I SID=s, NS EXIT, LU=*luname*

Explanation: Trace information for debugging purposes.

System Action: Processing continues.

User Action: None.

ATO314I SID=s, TPEND EXIT, REASON CODE=*rc*

Explanation: Trace information for debugging purposes.

System Action: Processing continues.

User Action: None.

ATO319I SID=s, FUNCTION *function* STARTED

Explanation: This message shows the start of certain functions if SUPPORT=YES was specified. Usually there follows a ATO330I message to show successful completion of the function.

Examples for *function* are

CLOSE ACB
INQUIRE LOGTERM
OPEN ACB
OPNDST LOGTERM

OPNSEC
RECEIVE
RECEIVE LOGTERM
REQSESS
SEND +RESP
SEND -RESP
SEND BID REJECT
SEND DATA
SEND DATA LOGTER
SEND RSHUTD
SEND RSP LOGTERM
SEND RTR
SEND SHUTC
SIMLOGON
TERMSESS
UNBIND

System Action: Processing continues.

User Action: None.

ATO320E SID=s, MACRO *macro* ERROR, R15=*r15*, R0=*r0*

Explanation: This message show an error in a macro. To trap the error, the contents of register 15 and 0 are also shown.

System Action: Processing continues.

User Action: None.

ATO321E SID=s, VTAM FUNCTION ERROR: *vtam function*

Explanation: The shown VTAM function could not be processed correctly.

System Action: Processing continues.

User Action: None.

ATO322E SID=s, RTNCD=X'*rtncd*', FDB2=X'*fdb2*',FDBK=X'*fdbk*'

Explanation: After a request like SEND-CHECK, an unexpected return code is received. ***masc-ato*** sets a JCL return code of 8.

System Action: ***masc-ato*** tries to call CTLACBC in order to list the RPL blocks.

User Action: Turn on SUPPORT=YES in the ATO_SET_SESSION_PARAMETERS or PROLOG command respectively. Repeat the ***masc-ato*** dialog. Check the previous messages that might contain hints concerning the reason for the error. Contact the ***masc*** support center.

ATO330I SID=s, FUNCTION *function* SURCCESSFULLY COMPLETED

Explanation: This message show the successful completion of *function*. Usually this message is preceded by a ATO319I message where also the possible values of *function* are listed.

System Action: Processing continues.

User Action: None.

ATO331I SID=s, SESSION WITH LOGTERM=*logterm* ESTABLISHED

Explanation: The session with *logterm* could successfully be established.

System Action: Processing continues.

User Action: None.

ATO332I SID=s, SESSION ESTABLISHED, LUNAME=*luname*

Explanation: The session with *luname* could successfully be established.

System Action: Processing continues.

User Action: None.

ATO336I SID=s, *text*

Explanation: This message writes trace information for debugging information when SUPPORT=YES is set.

text can contain the following values:

BEGIN BRACKET
BID ACCEPTED
CHAINED INPUT
END BRACKET
PASS BIND RECEIVED
PASS UNBIND RECEIVED
PENDING COMPLETED
RECEIVE BUFFER OVERFLOW
RECEIVE END
RTR SENT
SCIP SDT RECEIVED
SCIP UNKNOWN REQUEST
SESSION TERMINATION
SHUTD RECEIVED
UNKNOWN DATA FLOW RQ
UNKNOWN SESSION CTRL

System Action: Processing continues.

User Action: None.

ATO340I SID=s, LOGTRY COUNT HAS BEEN EXCEEDED

Explanation: The LOGTRY parameter in the ATO_SET_SESSION_PARAMETERS or PROLOG command indicates how often a LOGON should be tried. If the session can not be successfully established, processing terminates.

System Action: Processing terminates.

User Action: None.

ATO341I SID=s, LOGTERM DEFAULT/ATERNATE SCREEN SIZE INCOMPATIBLE

Explanation: The logmode of logterm is not compatible to the main applicatoin.

System Action: Processing continues.

User Action: Specify another logmode for logterm that can be used for the main application.

ATO342I SID=s, SCREEN RECEIVED, CURSOR LINE=*lin*, COL=*col*

Explanation: A virtual screen has been received. The cursor location is line *lin* and column *col*.

System Action: Processing continues.

User Action: None.

ATO343I SID=s, SCREEN SENT, CURSOR LINE=*lin*, COL=*col*, AID IS *aid*

Explanation: A virtual screen has been sent. The cursor location is line *lin* and column *col*. *aid* shows the ENTER, PF- or PA-key pressed.

System Action: Processing continues.

User Action: None.

ATO999I NORMAL END

Explanation: This message indicates the correct end of a dialog. If the processing is successfully terminated, this is the last message on ATOLOG.

System Action: Processing terminates.

User Action: None.

5. *masc-ato* RETURN CODES

The “native” mode fills the field ATO_RC after each function call. The program has to check it in order to provide some useful action or to set the job return code.

2 Parameter error

Explanation: The field length or position contains a wrong value.

System Action: None.

User Action: Check, which parameter causes the error and correct it.

5 Target protected

Explanation: The dialog tried to write to a protected field.

System Action: None.

User Action: Check, if the input field is at the position expected or if the value entered is too long for the input field.

6 Data truncated

Explanation: Input data are written after the end of the screen.

System Action: Processing terminates.

User Action: Check the length of the input data.

100 VTAM open error

Explanation: The VTAM ACB could not be opened successfully.

System Action: Processing terminates.

User Action: Check the meaning of the reason code in the VTAM literature and follow the actions described there. Look also in the job log or the log of the TP monitor if additional information is provided.

101 VTAM setlogon error

Explanation: a VTAM setlogon error occurred.

System Action: None.

User Action: Check the meaning of the reason code in the VTAM literature and follow the actions described there. Look also in the job log or the log of the TP monitor if additional information is provided.

102 VTAM close error

Explanation: A VTAM close error occurred, i.e., the connection could not be terminated correctly.

System Action: None.

User Action: Check the meaning of the reason code in the VTAM literature and follow the actions described there. Look also in the job log or the log of the TP monitor if additional information is provided.

104 Not initialized

Explanation: The function ATO_INITIALIZE was not performed.

System Action: None.

User Action: Before calling any other function, ATO_INITIALIZE has to be performed. Ensure that your dialog always calls ATO_INITIALIZE as first ATO function.

105 Invalid command

Explanation: The value of ATO_FUNC is invalid.

System Action: None.

User Action: ATO_FUNC has to contain a 4-digit numeric value contained in a long integer or fullword. Usually these values are copied into a dialog and connected to variable names, i.e., using the REXX function `ATO_CONNECT_PS = D2C(01,4)`. This means, the numerical value 1 is copied into a 4-Byte character field ("Convert Decimal to Character"). ATO_FUNC will now contain the right value using `ATO_FUNC = ATO_CONNECT_PS`. In the samples delivered with ***masc-ato*** these initializations are made in a routine that is called by CALL. Check in your dialog, if the initialization routine was called, if ATO_FUNC for some error contains a wrong value or if the initialization routine is corrupted.

106 Invalid session ID

Explanation: The value of ATO_SID is invalid.

System Action: None.

User Action: ATO_SID is a 1-Byte character field.

107 Bad parameter supplied

Explanation: The field length or position contain a wrong value.

System Action: None.

User Action: Check, which parameter causes the error and correct it.

108 Reqsess error

Explanation: a VTAM reqsess error occurred.

System Action: None.

User Action: Check the meaning of the reason code in the VTAM literature and follow the actions described there. Look also in the job log or the log of the TP monitor if additional information is provided.

109 Timeout

Explanation: A timeout occurred.

System Action: The processing is terminated.

User Action: If the processing usually takes longer than specified in the TIMEOUT parameter, raise the value.

110 OPNSEC error

Explanation: A VTAM OPNSEC error occurred.

System Action: None.

User Action: Check the meaning of the reason code in the VTAM literature and follow the actions described there. Look also in the job log or the log of the TP monitor if additional information is provided.

111 Receive error

Explanation: A VTAM receive error occurred.

System Action: None.

User Action: Check the meaning of the reason code in the VTAM literature and follow the actions described there. Look also in the job log or the log of the TP monitor if additional information is provided.

112 Receive buffer too short

Explanation: The internal receive buffer is too small.

System Action: None.

User Action: Contact the ***masc*** support center.

113 Send error

Explanation: A VTAM send error occurred.

System Action: None.

User Action: Check the meaning of the reason code in the VTAM literature and follow the actions described there. Look also in the job log or the log of the TP monitor if additional information is provided.

114 Attach LU task error

Explanation: The module ATOOCO could not be called.

System Action: Processing terminates.

User Action: Please check if the module can be found in the joblib/steplib concatenation. Report the error to the ***masc*** support center.

115 Already connected

Explanation: The ATO_CONNECT_PS for this ATO_SID has already been made and is still active.

System Action: None.

User Action: Check the program logic.

116 Not connected

Explanation: No ATO_CONNECT_PS has been made for this ATO_SID.

System Action: None.

User Action: Check the program logic. ATO_CONNECT_PS always has to be performed to establish the session. Only afterwards, it is possible to communicate with the application.

117 LU task exec error

Explanation: The module ATOOCO caused an error.

System Action: None.

User Action: Contact the ***masc*** support center.

119 Invalid 3270 command received

Explanation: In the data stream received there were unidentifiable 3270 data.

System Action: None.

User Action: Check the meaning of the reason code in the VTAM literature and follow the actions described there. Look also in the job log or the log of the TP monitor if additional information is provided.

120 Termsess error

Explanation: A VTAM termsess error occurred.

System Action: None.

User Action: Check the meaning of the reason code in the VTAM literature and follow the actions described there. Look also in the job log or the log of the TP monitor if additional information is provided.

121 Invalid parameters

Explanation: The field length or position contain a wrong value.

System Action: None.

User Action: Check, which parameter causes the error and correct it.

122 Invalid SNA data flow req

Explanation: The datastream contained invalid SNA data.

System Action: None.

User Action: Contact the ***masc*** support center.

123 Invalid SNA session control req

Explanation: Invalid SNA commands were received.

System Action: None.

User Action: Contact the ***masc*** support center.

124 No pending transactions

Explanation: No pending transactions were found.

System Action: None.

User Action: None.

125 Error connecting logterm

Explanation: The session with the log terminal could not be established.

System Action: None.

User Action: Check the preceding messages.

126 Resetsr error

Explanation: A VTAM resetsr error occurred.

System Action: None.

User Action: Check the meaning of the reason code in the VTAM literature and follow the actions described there. Look also in the job log or the log of the TP monitor if additional information is provided.

127 LU task not started

Explanation: The instance of ATOOCO is not active anymore.

System Action: None.

User Action: Contact the ***masc*** support center.

128 Error loading ATOEXI

Explanation: The module ATOEXI could not be loaded or ATOOCO is not active anymore.

System Action: None.

User Action: Check the previous messages, conctact the ***masc*** support center..

129 Expired

Explanation: The time protection of ***masc-ato*** has expired. Further executions of ***masc-ato*** dialogs are only possible when the current version is validated by the licensor and a valid license for ***masc-ato*** is obtained..

System Action: ***masc-ato*** terminates the dialog with a return code of 16 .

User Action: In the case of a test installation, you have to obtain a valid license for ***masc-ato***. In the case that you are in possession of a valid license agreement for ***masc-ato***, please check the validation according to the supplement " ***masc-ato*** Validation" in the " ***masc-ato*** *Installation Guide*".

130 Invalid Serial Nr

Explanation: The serial number is invalid.

System Action: Processing terminates with a return-code of 16.

User Action: If you already applied the PTF to remove the expiration date, please check if the right offsets were specified. A wrong offset may destroy the serial number. If you cannot activate an original version of the module, please contact the ***masc*** support center.

131 Invalid expiration date

Explanation: The expiration date is invalid.

System Action: Processing terminates with a return-code of 16.

User Action: Please check if the job to remove the expiration date ran without any errors. Contact the ***masc*** support center.

132 Log file open error

Explanation: The open for file ATOLOG was not successful.

System Action: Processing terminates with a return-code of 16.

User Action: Check the record length of file ATOLOG. ATOLOG should be defined with LRECL=132. Check also the messages on the job log and if necessary contact the ***masc*** support center.

133 PRT file open error

Explanation: The open for file ATOPRT was not successful.

System Action: Processing terminates with a return-code of 16.

User Action: Check the record length of file ATOPRT. ATOPRT should be defined with LRECL=132. Check also the messages on the job log and if necessary contact the ***masc*** support center.

134 RDR file open error

Explanation: The open for file ATORDR was not successful.

System Action: Processing terminates with a return-code of 16.

User Action: Check the record length of file ATORDR. ATORDR should be defined with LRECL=80. Check also the messages on the job log and if necessary contact the ***masc*** support center.

135 EOF on rdr file

Explanation: The file ATORDR does not contain any more data, it reached “end-of-file”.

System Action: None.

User Action: None.

256 REXX interface error

Explanation: The REXX parameter transfer caused an error.

System Action: None.

User Action: Processing continues.