



Beta Systems Architecture (BSA)

Messages and Codes

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Introduction

Overview

The messages described in this manual are produced by:

- Beta Systems Architecture (BSA) components which service different Beta products
- Beta Enhancement facilities

Message range

- The range of messages described in this manual is from 8000 to 9999; this is the range reserved for BSA messages. Within the 8000 to 9999 framework, each component has its own fixed range.
- The messages from 1000 to 7999 can be found in the respective Beta product manuals.

Message IDs

A message ID consists of three elements:

- Three-character prefix **XYZ**, which is the identifier of component, facility or product
- Four-digit message number **nnnn**
- One-character type code **x**

Type codes

There are different type codes:

A - Action	You must perform the specified action. Check the instructions given under "Operator Response".
D - Decision	You must choose an alternative.
E - Error	You should take action now or at a later time. Check the instructions given under "Operator Response".
I - Information	No user action is required.
W - Warning	Investigate why the message was issued. You may need to take action. Check the instructions given under "Operator Response".

Message prefix	<p>The message prefix identifies the BSA component or Beta product from which the message originates. For example, message OMS9500W originates from a Beta 92 system and message PMS9500W originates from a Beta 93 system. For a list of prefixes, see "Message prefixes" on page 7.</p> <p>In this manual, messages are listed in numeric order without prefix because of the fact that messages can appear with different prefixes. The PDF version of this manual includes aliases for each message and prefix, which means that, for example, searching for OMS9500W or PMS9500W will also find message 9500W.</p>								
Plus sign (+)	<p>A plus sign (+) may be displayed in front of a message if one of the product libraries has not been APF authorized.</p>								
_beta report messages	<p>All _beta report messages are written to the DD RPGSCAN dataset.</p>								
Conventions used in this manual	<p>The message text is written in UPPERCASE, BOLD letters.</p> <p>Certain messages contain portions that can vary. These portions are indicated by <i>lowercase, italic</i> letters.</p>								
Routing and description codes	<p>Routing and description codes for the z/OS consoles and the z/OS system log are specified in the <i>BnnLSTxx</i> member in the BETA.PARMLIB using the following parameters:</p> <table><tr><td>IRCDE</td><td>Information messages</td></tr><tr><td>WRCDE</td><td>Warning messages</td></tr><tr><td>ERCDE</td><td>Error messages</td></tr><tr><td>DRCDE</td><td>Decision messages</td></tr></table> <p>For more details, see "LST parameters in BnnLSTxx" in <i>BSA Installation and System Guide</i>.</p>	IRCDE	Information messages	WRCDE	Warning messages	ERCDE	Error messages	DRCDE	Decision messages
IRCDE	Information messages								
WRCDE	Warning messages								
ERCDE	Error messages								
DRCDE	Decision messages								
User abend codes	<p>The BSA user abend codes are described in "User abend codes" on page 469. If you cannot find a specific abend code in <i>BSA Messages and Codes</i>, check <i>Messages and Codes</i> of the Beta Systems product for additional user abend codes.</p>								
BSA codes	<p>"BSA error/information codes" on page 473 provides descriptions of the codes that are returned by BSA functions and components (error codes, return codes, information return codes, reason codes, sense codes).</p>								

Message prefixes

Overview

Each message is preceded by a three-character prefix *pre*, which identifies the component or product that issued the message.

BSA prefixes

Prefix ...	identifies the message as coming from ...
BOF	Beta Base Output Facility component or BSA component
BSA	Beta Data Management Facility component (BQL)
BSV	BSA Service Manager
CAF	_beta caf (Beta CICS Access Facility)
IAF	_beta iaf (Beta IMS Access Facility)
LGF	_beta smf (Beta Log Formatter)
OCF	Beta Open Communication Facility
RPG	_beta report (BSA Report Generator)
SFF	Beta Subsystem Function Facility
SVC	Beta SVC
VDF	_beta vaf (Beta VTAM Dialog Facility)

Product prefixes

Prefix ...	identifies the message as coming from ...
EJM	_beta job z (Beta 48 / Beta 92 EJM)
IRM	_beta doc z plus (Beta 97 / Beta 93 Fast Retrieval)
OMS	_beta log z (Beta 92)
PMS	_beta doc z (Beta 93)
QMS	_beta check z (Beta 91)
SBL	_beta access (Beta 88)
SIM	_beta access monitor (Beta 89)
TOR	_beta doc z transform (Beta 39 / Beta 93 Document Transformer)
ZET	_beta move (Beta 32)

Messages

8000 - 8099 OCF / TCP/IP server messages (part 1)

More OCF / TCP/IP server messages can be found in "9200 - 9299 OCF / TCP/IP server messages (part 2)" on page 229.

8000E OCF-CONNECTION VIA TCP/IP FOR BETAnn IS NOT ALLOWED

Written to:

SYSLOG, JESMSG LG.

Explanation:

A product has been started. The *BnnLSTxx* member defines an OCF connection via TCP/IP. This function is only provided by the BSA X-System Router.

nn Product number

System Action:

The OCF connection is **not** established. The product continues processing.

Operator Response:

Correct the parameters in the LST member.

8000I OCF CONNECTION VIA TCP/IP WILL BE USED

Written to:

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The *B02LSTxx* member defines an OCF connection via TCP/IP.

System Action:

The OCF connection is established according to the definition.

Operator Response:

None.

8001E KEYWORD OCF_APPLID AND BSA_OCF_TCPIP_PORT ARE MUTUALLY EXCLUSIVE**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining both an OCF connection via TCP/IP and an OCF connection via LU 6.2. You can only use either, but not both.

System Action:

No OCF connection is established. The BSA X-System Router continues processing.

Operator Response:

Correct the parameters in the LST member.

8002I (*function*): PIPE ESTABLISHMENT TO *tcp_app* IS STARTED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member defines an OCF connection via TCP/IP.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

tcp_app Identifies the TCP/IP CONVERSE connection

The name (*mm#nnnnn*) consists of a two-digit sequential number plus the separator **#** plus the port number specified in the LST parameter BSA_OCF_TCPIP_CONVERSE, for example, **01#65004**. The sequential number **00** is used for the base connection according to BSA_OCF_TCPIP_PORT.

System Action:

The OCF connection is established.

Operator Response:

None.

8003E (function): BSA TCP/IP APPLICATION *taskname* IS NOT ACTIVE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection via TCP/IP. The connection could not be established because the specified TCP/IP started task *taskname* is not active.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

taskname Name of the TCP/IP started task

System Action:

The retry mechanism is activated according to the values specified in the LST parameters BSA_OCF_TCPIP_PORT or BSA_OCF_TCPIP_CONVERSE. The accompanying message 8000I shows the current retry values.

Operator Response:

Activate the TCP/IP started task *taskname*.

8003W (function): RETRY LIMIT HAS BEEN EXCEEDED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has activated a retry mechanism. The maximum number of retry attempts has been exceeded.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

System Action:

The X-System Router remains active, but will not make any further attempt to establish this connection.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8003I (*function*): RETRY TO CONNECT *port:ipa* HAS BEEN STARTED (TIME: *time*
/ CNT: *count*)

Written to:

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member defines an OCF connection via TCP/IP. An error has occurred during activation, for example, the specified TCP/IP task is not active or the specified partner port is not available. Retry attempts to establish a connection will be carried out according to the defined retry interval and retry count.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

port Number of the port that is to be opened

ipa IP address where the port is to be opened

time Retry time interval (in seconds)

count Retry count

System Action:

The retry mechanism is activated. The system continues processing. Message 8003W will be output if the application fails to establish a connection after the specified number of retry attempts.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8004I (*function*): WAITING FOR RECEIVE FUNCTION *funcname***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection via TCP/IP. The send function has been activated and is now waiting for its corresponding receive function.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

funcname Name of the receive function

System Action:

The X-System Router continues processing.

Operator Response:

None.

8005I (*function*): CONTINUES FOR RECEIVE FUNCTION *funcname***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection via TCP/IP. The send function and its corresponding receive function have been activated successfully.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

funcname Name of the receive function

System Action:

The X-System Router continues with establishing the connection.

Operator Response:

None.

8006I (*function*): PIPE CONNECTION TO *tcp_app* SUCCESSFUL**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection via TCP/IP. The connection has been send successfully established.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

tcp_app Identifies the TCP/IP CONVERSE connection

The name (***mm#nnnnn***) consists of a two-digit sequential number plus the separator **#** plus the port number specified in the LST parameter BSA_OCF_TCPIP_CONVERSE, for example, **01#65004**. The sequential number **00** is used for the base connection according to BSA_OCF_TCPIP_PORT.

System Action:

The X-System Router continues processing.

Operator Response:

None.

8006E (function): PIPE ESTABLISHMENT TO tcp_app (RC: error) NOT POSSIBLE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection (Converse) via TCP/IP. The connection could not be established.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

tcp_app Identifies the TCP/IP CONVERSE connection

The name (*mm#nnnnn*) consists of a two-digit sequential number plus the separator # plus the port number specified in the LST parameter BSA_OCF_TCPIP_CONVERSE, for example, **01#65004**. The sequential number **00** is used for the base connection according to BSA_OCF_TCPIP_PORT.

error Error code

For TCP/IP error codes, see your IBM manuals. For other errors, see "TCP/IP and VTAM codes" on page 482.

System Action:

OCF subsystem initialization is terminated abnormally.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8007E (*function*): GET LOCAL SYSTEMS FROM *tcp_app* NOT POSSIBLE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection (Converse) via TCP/IP. The X-System Router was unable to retrieve the local systems of the partner.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

tcp_app Identifies the TCP/IP CONVERSE connection

The name (***mm#nnnnn***) consists of a two-digit sequential number plus the separator **#** plus the port number specified in the LST parameter BSA_OCF_TCPIP_CONVERSE, for example, **01#65004**. The sequential number **00** is used for the base connection according to BSA_OCF_TCPIP_PORT.

System Action:

Connection establishment is terminated. The X-System Router continues processing.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8007I (function): PIPE TO tcp_app DISCONNECTED (RC: rc)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router is active. The existing connection to the application *tcp_app* was terminated.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

tcp_app Identifies the TCP/IP CONVERSE connection

The name (*mm#nnnnn*) consists of a two-digit sequential number plus the separator **#** plus the port number specified in the LST parameter BSA_OCF_TCPIP_CONVERSE, for example, **01#65004**. The sequential number **00** is used for the base connection according to BSA_OCF_TCPIP_PORT.

rc Return code

RC=0: Normal termination

RC<>0: Termination was caused by a problem; the root of this problem can normally be identified with the help of accompanying messages.

System Action:

The X-System Router remains active.

Operator Response:

None if RC=0. Otherwise determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

**8009E BST020LS SYSTEM LOCAL STATUS CONNECT ERROR OCCURRED -
(tcp_app/RC:rc)****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router is active, for example, it is establishing a connection to its partner. Local systems are started while the router is being activated. It is not possible to inform the partner on the status of the local systems because the BSA X-System Router is unable to establish a connection to its partner.

tcp_app Identifies the TCP/IP CONVERSE connection

The name (*mm#nnnnn*) consists of a two-digit sequential number plus the separator # plus the port number specified in the LST parameter BSA_OCF_TCPIP_CONVERSE, for example, **01#65004**. The sequential number **00** is used for the base connection according to BSA_OCF_TCPIP_PORT.

rc Return code

For TCP/IP error codes, see your IBM manuals. For other errors, see "TCP/IP and VTAM codes" on page 482.

System Action:

The X-System Router remains active. Current attempts at establishing connections are continued. Some local systems may not be available to the partner.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8010E BST020LS CONNECTION TIMEOUT OCCURRED - RC: *rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router is active. A connection is active or it is being established. Local systems are started while the router is being activated. It is not possible to inform the partner on the status of the local systems because the BSA X-System Router is unable to establish a connection to its partner.

rc Return code

For TCP/IP error codes, see your IBM manuals. For other errors, see "TCP/IP and VTAM codes" on page 482.

System Action:

The X-System Router remains active. Current attempts at establishing connections are continued. Some local systems may not be available to the partner.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8011E BST020LS SYSTEM LOCAL STATUS SEND ERROR OCCURRED - RC: *rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router is active. A connection is active or it is being established. Local systems are started while the router is being activated. It is not possible to inform the partner on the status of the local systems because the BSA X-System Router is unable to establish a connection to its partner.

rc Return code

For TCP/IP error codes, see your IBM manuals. For other errors, see "TCP/IP and VTAM codes" on page 482.

System Action:

The X-System Router remains active. Current attempts at establishing connections are continued. Some local systems may not be available to the partner.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8012E (*function*): INIT GET CONVERSE DATA ERROR OCCURRED - RC: *rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection (Converse) via TCP/IP. The router has generated a request to retrieve the converse information from the partner. This request could not be executed.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

rc Return code

For TCP/IP error codes, see your IBM manuals. For other errors, see "TCP/IP and VTAM codes" on page 482.

System Action:

Connection establishment is terminated. The X-System Router remains active.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8013E (function): CONNECT TIMEOUT(time sec) HAS BEEN REACHED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member defines an OCF connection (Converse) via TCP/IP. The connection attempt was terminated because the defined time limit has been reached.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

time Time limit (in seconds) defined in the LST parameter BSA_OCF_TCPIP_CONNECT_TIMEOUT

System Action:

Connection establishment is terminated. The system remains active.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8014E (function): DISCONNECT SEND DATA ERROR OCCURRED - RC: rc**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA X-System Router has been stopped. At this point, it tries to send its partners additional information on the status of the local system. This send attempt has failed.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

rc Return code

For TCP/IP error codes, see your IBM manuals. For other errors, see "TCP/IP and VTAM codes" on page 482.

System Action:

The connection is terminated and the stopping process continues. The partners' status information on local systems may be incorrect.

Operator Response:

None.

8015E (function): GET LOCAL SYSTEMS ERROR OCCURRED - RC: *rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection (Converse) via TCP/IP. While establishing the connection, the X-System Router tries to retrieve information on the local systems of the partner. This request could not be executed.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

rc Return code

For TCP/IP error codes, see your IBM manuals. For other errors, see "TCP/IP and VTAM codes" on page 482.

System Action:

Connection establishment is terminated. The X-System Router continues processing.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8016E (*function*): INIT GET LOCAL SYSTEMS DATA ERROR OCCURRED - RC: *rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member defines an OCF connection (Converse) via TCP/IP. While establishing the connection, the X-System Router tries to retrieve information on the local systems of the partner. The partner was unable to initialize this request.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

rc Return code

For TCP/IP error codes, see your IBM manuals. For other errors, see "TCP/IP and VTAM codes" on page 482.

System Action:

Connection establishment is terminated. The X-System Router continues processing.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8017E (*function*): SEND READY CONNECTION ERROR OCCURRED - RC: *rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection (Converse) via TCP/IP. All the required information (local systems, converse information, etc.) has been exchanged with the partner. When trying to inform the partner that connection establishment has finished (READY), an error occurred.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

rc Return code

For TCP/IP error codes, see the IBM documentation. For other errors, see *BSA Messages and Codes*.

System Action:

Connection establishment is terminated. The X-System Router continues processing.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8020I (function): RECEIVE FUNCTION *tcp_app* ESTABLISHED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection (Converse) via TCP/IP. The receive function for communicating with the partner has now been fully established.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

tcp_app Identifies the TCP/IP CONVERSE connection

The name (***mm#nnnnn***) consists of a two-digit sequential number plus the separator **#** plus the port number specified in the LST parameter BSA_OCF_TCPIP_CONVERSE, for example, **01#65004**. The sequential number **00** is used for the base connection according to BSA_OCF_TCPIP_PORT.

System Action:

Connection establishment continues. The X-System Router continues processing.

Operator Response:

None.

8020E (*function*): UNPREDICTABLE ERROR OCCURRED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection (Converse) via TCP/IP. An unpredictable error has occurred during the execution of a function/request.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

System Action:

The X-System Router continues processing. The function/request that lead to an error is not executed.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8021E (function): NO VALID CONVERSE ENTRY COULD BE FOUND**8021E CONVERSE-SEARCH: *port* / *ipa*****Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member contains parameters for defining an OCF connection (Converse) via TCP/IP. Converse information is exchanged during connection establishment. The local X-System Router is not able to process the converse information received from the partner because it cannot find the required local entries. The X-System Router outputs information on the converse statements that it cannot process.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

port Port number from the converse statement of the partner which cannot be processed

ipa IP address from the converse statement of the partner which cannot be processed

System Action:

Connection establishment is terminated. The X-System Router continues processing.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8022I (*function*): LONG RECEIVE FUNCTION ENDED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router is active and has a connection. The X-System Router has terminated the LONG receive function of this connection because it has received a disconnect request. Without the LONG receive function, it is not possible to receive or send any requests.

function Name of the SFF function which was used for activating the functionality

mm#nnnnn is displayed in case of the send function, where *nnnnn* is the port number and *mm* a two-digit sequential number (**00** indicates the base connection (BSA_OCF_TCPIP_PORT)).

System Action:

Connection termination continues. The X-System Router continues processing.

Operator Response:

None.

8030I *ssid* IS ALREADY MARKED AS *status***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The status *status* is to be assigned to the subsystem *ssid* in an OCF network, but the subsystem already has this status. *status* can have the following values: **active**, **inactive** or **noaccess**.

System Action:

Depending on its status, the remote subsystem can be accessed by the system or not.

Operator Response:

None.

8030W BSA TCP/IP OCF PORT AND CONVERSE PORT ARE IDENTICAL**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member defines an OCF connection (Converse) via TCP/IP. Identical port numbers have been specified in the LST parameters BSA_OCF_TCPIP_PORT and BSA_OCF_TCPIP_CONVERSE. This is not allowed because port numbers must be unique.

System Action:

No OCF connection is established. The X-System Router continues processing.

Operator Response:

Correct the port numbers in the LST parameters, and then restart the X-System Router.

8030E BSA TCP/IP OCF COMMUNICATION BLOCK COULD NOT BE FOUND**8031E BSA TCP/IP OCF COMMUNICATION BLOCK COULD NOT BE FOUND****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member defines an OCF connection (Converse) via TCP/IP. A serious problem has occurred while establishing the connection or during communication processing. Message 8030E or 8031E is output depending on the originating module.

System Action:

OCF connections that have been defined are not established. OCF connections that are already active are terminated. The system continues processing.

Operator Response:

Determine the reason for the error, eliminate it, and restart the BSA X-System-Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8032E CLEAR WHOLE BSA TCP/IP OCF ENVIRONMENT**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router has been started. The B02LSTxx member defines an OCF connection via TCP/IP. A problem has occurred during the evaluation of the parameters.

System Action:

The internal communication environment that has been built is cleared. No connections are established. The BSA X-System Router continues processing.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8050W TCP/IP ROUTER: POSSIBLE UNSECURED LOGON PROCESS WAS ALLOWED VIA *racf-profile***8050W TCP/IP ROUTER: POSSIBLE UNSECURED LOGON PROCESS WAS ALLOWED - SECURE FUNCTION NOT INSTALLED****Written to:**

SYSLOG, JESMSG LG.

Explanation:

During subsystem start, the BSA TCP/IP server has been activated as described in message 8050I. The BSA TCP/IP server has detected that logon access to the system should also be possible via an invalid logon security exit UXSIN. The message indicates the reason for this:

- The STC user has ALTER access to the profile *racf-profile* in the FACILITY class.

-OR-

- A secure logon method was not implemented when installing the BSA TCP/IP server, whether intentionally or unintentionally.

System Action:

The system continues processing. There is only limited logon security or no logon security at all, depending on the profile that has been assigned to the STC user.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

8050I TCP/IP ROUTER: LOGON PROCESS NOW ONLY POSSIBLE WITH VALID SECURITY EXIT**Written to:**

SYSLOG, JESMSGGLG.

Explanation:

During subsystem start, the BSA TCP/IP server has been activated. The BSA TCP/IP server has detected that logon access to the system is only possible via a valid logon security exit UXSIN with the necessary security environment where appropriate. The use of invalid exits like IEFBR14 is not allowed by default. Exceptions can be allowed as described in *BSA Installation and System Guide*.

System Action:

The system continues processing. When a new port is to be activated, the BSA TCP/IP server will check the security environment first. A port will be activated only if the specified requirements are fulfilled.

Operator Response:

None.

8051I TCP/IP ROUTER: STC HAS *access* ACCESS FOR PROFILE *racf-profile***Written to:**

SYSLOG, JESMSGGLG.

Explanation:

During subsystem start, the BSA TCP/IP server has been activated as described in message 8050I. The BSA TCP/IP server has detected that logon access to the system should be possible via a valid/invalid logon security exit UXSIN, depending on RC=4 returned by the exit. When a valid exit returns RC=0, the user ID and password are always checked.

access	<i>racf-profile</i>	Effect on LOGON
READ	BETA. <i>ssid</i> .SECURE.UXSINCONTROL.ALLOW	Logon via exit (RC>=0)
ALTER	BETA. <i>ssid</i> .SECURE.UXSINCONTROL.ALLOW	Logon via exit (RC>=0)
ALTER	BETA. <i>ssid</i> .SECURE.NOLOGONCHECK.ALLOW	Logon via invalid exit generally allowed

System Action:

The system continues processing. Future logon attempts will be handled as described.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

8052W TCP/IP ROUTER: LOGON SECURITY WILL ONLY CHECK THE EXISTENCE OF THE LOGON USERID (EXIT-RC=4)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

During subsystem start, the BSA TCP/IP server has been activated as described in message 8050I. The BSA TCP/IP server has detected that logon access to the system should only possible via a valid logon security exit UXSIN.

A RACF check has been made to determine how RC=4 from the exit is to be handled. The STC user has READ access to the RACF profile BETA.ssid.SECURE.UXSINCONTROL.ALLOW in the FACILITY class.

This means that logon security will be handled as follows:

If RC=4 is returned by the logon security exit, the user who wants to log on is checked against the security system as follows: The user must be defined in the security system and the user must be active. Revoked users, for example, will not be granted access. The password of the user is not checked.

System Action:

The system continues processing. Logon security is handled as described.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

8052I TCP/IP ROUTER: LOGON SECURITY WILL CHECK THE LOGON USERID WHEN USING EXIT-RC=0**Written to:**

SYSLOG, JESMSG LG.

Explanation:

During subsystem start, the BSA TCP/IP server has been activated as described in message 8050I. The BSA TCP/IP server has detected that logon access to the system is handled via a valid logon security exit UXSIN.

If the exit returns RC=0, user ID and password will always be checked. This is independent from whether BETA.ssid.SECURE.UXSINCONTROL.ALLOW and BETA.ssid.SECURE.NOLOGONCHECK.ALLOW are defined in the FACILITY class and whether the STC user has access to them.

System Action:

The system continues processing. Future logon attempts will be handled as described.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

8053W TCP/IP ROUTER: LOGON SECURITY WILL NOT CHECK THE EXISTENCE OF THE LOGON USERID (EXIT-RC=4)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

During subsystem start, the BSA TCP/IP server has been activated as described in message 8050I. The BSA TCP/IP server has detected that logon access to the system is handled via a valid logon security exit UXSIN.

A RACF check has been made to determine how RC=4 from the exit is to be handled. The STC user's access to the RACF profile BETA.*ssid*.SECURE.UXSINCONTROL.ALLOW in the FACILITY class is ALTER.

This means that logon security will be handled as follows:

If RC=4 is returned by the logon security exit, the user who wants to log on is not checked against the security system.

System Action:

The system continues processing. Logon security is handled as described.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

8053I TCP/IP ROUTER: LOGON PROCESS FOR EXIT-RC=4 WAS *execution* VIA SECURITY PROFILE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

During subsystem start, the BSA TCP/IP server has been activated as described in message 8050I. The BSA TCP/IP server has detected that logon access to the system is handled via a valid logon security exit UXSIN.

The RACF profile BETA.*ssid*.SECURE.UXSINCONTROL.ALLOW in the FACILITY class exists and the STC user's access to this profile has been checked.

When RC=4 is returned by the exit, LOGON for this user will be handled according to execution.

execution allowed or not allowed

System Action:

The system continues processing. Logon security is handled as described.

Operator Response:

None.

8054E TCP/IP ROUTER: LOGON SECURITY RULES INVALID (RACF: *racf* / UXSIN: *uxin*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The TCP/IP server has been started. The password settings defined in RACF have been checked, and the password settings of the security exit B02UXSIN have been checked. One of the following has been detected:

- No B02UXSIN has been found or B02UXSIN is invalid.
- The feature for secure security logon has not been installed.
- RACF profiles relating to security logon have not been defined.
- There is a conflict between the password settings in RACF and B02UXSIN.

<i>racf</i>	refers to the rules defined in RACF:
MC	Mixedcase passwords allowed
UC	Only uppercase passwords allowed
SPC	Special character passwords allowed
USE ACF2	ACF2 is used as security system; more detailed information not possible
USE TSS	Top Secret is used as security system; more detailed information not possible
UNKNOWN	RACF settings could not be retrieved (No RACF security server?)

<i>uxin</i>	refers to the rules used by B02UXSIN (The exit can set rules automatically in accordance with RACF settings, or rules can be set via manual modification. For more information, see the description of the exit.)
MC	Mixedcase passwords allowed
UC	Only uppercase passwords allowed
SPC	Special character passwords allowed
PHRASE	Passphrases allowed
APPL	Application check is carried out
RACC	Settings of the exit are determined by the settings in RACF
NOFUNC	Exit has no functionality
EXIST USER	Upon RC=4 from the exit, the existence of the user definition in the security system would be checked and that this user is active (i.e. not revoked etc.). No password check would be carried out. The STC user does not have READ access to the RACF profile BETA. <i>ssid</i> .SECURE.UXSINCONTROL.ALLOW.
NOCHECK	No check would be carried out for the user who is to be logged in. The STC user does not have ALTER access to the RACF profile BETA. <i>ssid</i> .SECURE.UXSINCONTROL.ALLOW.
DENIED	All passwords are denied by the exit
NOPHR	Passphrases are denied by the exit (even if allowed by RACF)
N/A	Not possible to retrieve all settings of the exit (The exit does not conform to BSA level 1461-03 or later.)

System Action:

The system continues processing. Ports that can be used for LOGON are deactivated (BSA TCP/IP server terminates with message 8057E).

Operator Response:

None if this is what you want. Otherwise check the source code of the exit and correct the affected settings. Re-compile the exit and then reinitialize the subsystem with BST01ARI and the newly compiled B02UXSIN. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

8054W TCP/IP ROUTER: LOGON SECURITY RULES AVAILABLE (RACF: *racf* / UXSIN: *uxin*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The TCP/IP server has been started. The password settings defined in RACF have been checked, and the password settings of the security exit B02UXSIN have been checked. There is no conflict between their settings.

Message 8054W can follow message 8052I. Message 8054W can also occur if the RACF profile BETA.ssid.SECURE.UXSINCONTROL.ALLOW has not been defined in the FACILITY class for the STC user, but access is allowed via the RC=0 of the exit.

<i>racf</i>	Refers to the rules defined in RACF:
MC	Mixedcase passwords allowed
UC	Only uppercase passwords allowed
SPC	Special character passwords allowed
USE ACF2	ACF2 is used as security system; more detailed information not possible
USE TSS	Top Secret is used as security system; more detailed information not possible
UNKNOWN	RACF settings could not be retrieved (No RACF security server?)

<i>uxin</i>	Refers to the rules used by B02UXSIN (The exit can set rules automatically in accordance with RACF settings, or rules can be set via manual modification. For more information, see the description of the exit.)
MC	Mixedcase passwords allowed
UC	Only uppercase passwords allowed
SPC	Special character passwords allowed
PHRASE	Passphrases allowed
APPL	Application check is carried out
RACC	Settings of the exit are determined by the settings in RACF
NOFUNC	Exit has no functionality
EXIST USER	Upon RC=4 from the exit, the existence of the user definition in the security system is checked and that this user is active (i.e. not revoked etc.). No password check is carried out. The STC user has READ access to the RACF profile BETA. <i>ssid</i> .SECURE.UXSINCONTROL.ALLOW.
NOCHECK	No check is carried out for the user who is to be logged in. The STC user has ALTER access to the RACF profile BETA. <i>ssid</i> .SECURE.UXSINCONTROL.ALLOW.
DENIED	All passwords are denied by the exit
NOPHR	Passphrases are denied by the exit (even if allowed by RACF)
N/A	Not possible to retrieve all settings of the exit (The exit does not conform to BSA level 1461-03 or later.)

System Action:

The system continues processing.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

8055W TCP/IP ROUTER: LOGON SECURITY PROFILE *racf-profile* REQUIRES R/A TO SUPPORT EXIT-RC=4**Written to:**

SYSLOG, JESMSGGLG.

Explanation:

During subsystem start, the BSA TCP/IP server has been activated as described in message 8050I. The BSA TCP/IP server has detected that logon access to the system are handled via a valid logon security exit UXSIN. To provide for the exit returning RC=4, the RACF profile BETA.*ssid*.SECURE.UXSINCONTROL.ALLOW (*racf-profile*) must be defined in the FACILITY class and the STC user must have READ or ALTER access (R/A).

System Action:

The system continues processing. Future logon attempts with the logon security exit UXIN returning RC=4 will be denied.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

8057E SERVER(*port/app*): TERMINATED DUE TO INVALID LOGON SECURITY**Written to:**

SYSLOG, JESMSGGLG.

Explanation:

During subsystem start, the BSA TCP/IP server has been activated as described in message 8050I. The BSA TCP/IP server has detected that certain operational requirements are not fulfilled. For example, the security exit UXSIN may be invalid, required RACF definitions may be missing, or there may be a rule mismatch between RACF settings and UXSIN settings. For more detailed information, refer to the preceding messages.

port Port number

app Application name (add-on) of the port or BSA when the global port is used

System Action:

The system continues processing. Ports that can be used for LOGON are deactivated, i.e. the BSA TCP/IP server is terminated for these ports.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

8100 - 8199 _beta caf messages

8100I BETA VDF SESSION CONNECT IN PROGRESS - *user information*

Written to:

JESMSG LG.

Explanation:

A user is logging onto the VTAM Dialog Facility from CICS.

user information shows who has entered where, and how the logon was requested. It has the following format:

U=*user*, TRM=*terminal ID*, ACCESS=*access_type*

user user ID used in CICS at that time or the CICS default user

terminal ID CICS terminal ID

access type how the CAF system is accessed

The CAF system can be accessed as follows:

DIRECTLY transaction ID has been entered directly (default B11C)

START TRANS. via START TRANSACTION

PROGRAM XCTL by means of XCTL

PROGRAM LINK by means of LINK

System Action:

None.

Operator Response:

None.

8101I BETA VDF SESSION IS ACTIVE

Written to:

Operator console.

Explanation:

A session has been established between CAF and the VDF via the PLU name indicated in CAFPARM. This message is issued when the first user logs onto VDF from CICS.

System Action:

The program can now accept logons from CICS users.

Operator Response:

None.

8102I UNBIND RECEIVED FROM BETA VDF**Written to:**

Operator console.

Explanation:

The VDF has been stopped and the connection between VDF and CICS is interrupted.

System Action:

No further logons are possible.

Operator Response:

Restart the VDF.

8103I TPEND EXIT ENTERED IN BETA CICS INTERFACE**Written to:**

Operator console.

Explanation:

The z/OS VTAM system has been stopped.

System Action:

The ACB referenced in CAFPARM is closed.

Operator Response:

None.

8104I SESSION WITH BETA VDF TERMINATED**Written to:**

CICS terminal.

Explanation:

The VDF has been terminated or the ACB has been closed. This message only comes up when MSG(YES) has been coded into the CAFPARM member.

The message is also displayed when VDF has been restarted (after it has been terminated in the interim) and the user session with the previous VDF started task has not been correctly stopped.

System Action:

None.

Operator Response:

None or enter the administrator command 'B11C RESTART(YES)...' to repeat the logon request.

8105I SESSION WITH BETA VDF NOT INITIATED**Written to:**

CICS terminal.

Explanation:

The logon to the VDF could not be executed.

System Action:

None.

Operator Response:

Retry the logon. Check the operator console for accompanying console messages.

8106I SESSION WITH BETA VDF LOGGED OFF [- REASON=*reason*]

**8106I SESSION WITH BETA VDF LOGGED OFF - REASON=*reason*
[- *user information*]**

Written to:

CICS terminal or operator console.

Explanation:

A CICS user has successfully logged off from VDF.

Or, if REASON=*reason* is given in the message: A CICS user session has been terminated in VDF by the event named in *reason*. The message also includes user information, if available.

reason can be one of the following:

CLEANUP	Final termination of the session by VDF during a cleanup; the reason is only displayed if the original reason is unknown.
TIMEOUT	The session has terminated by VDF due to user inactivity (timeout).
CANCEL	The session has been terminated by a cancel request (either via an operator console command or via an online cancel command).

user information shows who has tried to enter where, and how the logon was requested. It has the following format:

U=*user*, TRM=*terminal ID*, ACCESS=*access_type*

<i>user</i>	User ID used in CICS at that time or the CICS default user
<i>terminal ID</i>	CICS terminal ID
<i>access type</i>	How the CAF system is accessed

The CAF system can be accessed as follows:

DIRECTLY	Transaction ID has been entered directly (default B11C)
START TRANS.	Via START TRANSACTION
PROGRAM XCTL	By means of XCTL
PROGRAM LINK	By means of LINK

System Action:

Operation continues.

Operator Response:

None.

8107I SESSION WITH BETA VDF SUSPENDED**Written to:**

CICS terminal.

Explanation:

The suspend key has been pressed to suspend the session with the VDF.

System Action:

The application has been interrupted. Control is given to the program *retpgm* or transaction *rettrn* specified in CAFPARM.

Operator Response:

None.

8108I BETA CICS ACCESS FACILITY ACB *acbname* CAF status**Written to:**

CICS terminal.

Explanation:

The status of the CAF system is displayed. The console message 8116I shows the precise activity of the system. *acbname* shows the last known VTAM application ID of the CAF system. *CAF status* stands for one of the following:

SHUTDOWN COMPLETE

The ACB *acbname* has been terminated and the receive transaction (default name B11R) for CAF has been stopped due to the command 'B11C SHUTDOWN(YES)'. The CAF system is still operational and can be restarted at any time.

OUT OF SERVICE

The CAF system has been stopped by means of the administrator command 'B11C SHUTDOWN(IMM)' or 'B11C SHUTDOWN(FORCE) RESTART(NO)'. The ACB *acbname* has been closed and the receive transaction (default name B11R) for CAF has been terminated. The CAF system will remain operational until the administrator command 'B11C RESTART(YES)...' reactivates the CICS online interface. For more information on CAF administrator commands refer to the *CAF Installation and System Guide*.

RESTART ENABLED

The CAF system has been reactivated by means of the administrator command 'B11C RESTART(YES)...' and can now be used for session requests to VDF.

Note: When the CAF system is activated for the first time after the restart request, all of the CAF parameters remain as entered in the CICS startup procedure in the DD statements CAFPARM and CAFPARM2 will be reloaded.

System Action:

When 'SHUTDOWN COMPLETE' comes up, the CAF system will be temporarily terminated. When 'OUT OF SERVICE' comes up, the CAF system is no longer operational. When 'RESTART ENABLED' comes up, the CAF system has been restarted.

Operator Response:

When 'SHUTDOWN COMPLETE' or 'RESTART ENABLED' comes up, no operator response is necessary. When 'OUT OF SERVICE' comes up, the administrator command 'B11C RESTART(YES)...' must be entered. For more information on CAF administrator commands refer to the *CAF Installation and System Guide*.

8109I RECEIVE INTERFACE ACTIVE**Written to:**

Operator console.

Explanation:

The receive transaction (default name B11R) which receives data from the VDF and passes it on to CICS users has been activated.

System Action:

None.

Operator Response:

None.

8110E GENCB FOR ACB *acbname* FAILED [RC=*rc*,REASON=*reason*]**Written to:**

Operator console.

Explanation:

The CICS interface program tried to generate an ACB.

acbname is the name that is used as VTAM APPL ID for GENCB.

System Action:

The CICS interface is terminated.

Operator Response:

Refer to the VTAM Programming Manual to determine the return code *rc*.

8111E GENCB FOR EXLST FAILED [RC=*rc*,REASON=*reason*]**Written to:**

Operator console.

Explanation:

The CICS interface program failed to generate an exit list.

System Action:

The CICS interface is terminated.

Operator Response:

Refer to the VTAM Programming Manual to determine the return code *rc*.

8112E OPEN FOR ACB *acbname* FAILED *extension***Written to:**

Operator console.

Explanation:

The attempt to open the ACB *acbname* has either failed or has been rejected. *acbname* shows the last known VTAM application ID of the CAF system. The extension is only displayed when the opening of the ACB *acbname* has been rejected. The following will be displayed for *extension*:
REASON: REJECTED - CAF NOT OPERATIONAL

System Action:

The CICS interface is terminated.

Operator Response:

When the process fails, the CAF system must be stopped using the CAF command 'B11C SHUTDOWN(IMM)' without resorting to the automatic restart option.

Refer to the IBM VTAM programming manuals to determine the error (the VTAM status of the ACB, the uniqueness of the ACB, and the assignment of the ACB to CAF in B11LSTxx.)

Correct the error and restart the CAF system with 'B11C RESTART(YES)...'
Refer to the *CAF Installation and System Guide* for the command syntax.

When the process has been rejected, also need to figure out the previously displayed console messages.

Note: Be aware that 'BST11OL' or 'BST11OL2' has been defined with 'RESidend=YES' in the CICS PPT.

8113E CONVERSATION TRANSACTION *name* REJECTED**Written to:**

Operator console.

Explanation:

The conversation transaction with the displayed name is rejected because CAF is inconsistent, for example, due to a level mix.

System Action:

The CICS interface is terminated. The process will take a short time.

Operator Response:

Refer to the accompanying message(s), for example, *8114E* or *8115I* to determine an explanation of what actions to take.

8114E INVALID LEVEL OF BETA CICS ACCESS FACILITY**Written to:**

Operator console.

Explanation:

A level mix inside CAF causes the error.

System Action:

The CICS interface is terminated.

Operator Response:

See message 8115I for an explanation. This message displays the PTF level state. Also refer to your current *Release Notes and Update Instructions* and the *CAF Installation and System Guide* to determine the error. In the most recent release notes, you can find the last PTF numbers which must have been installed. Check whether the applied PTFs have been relinked and made known to CICS. The *CAF Installation and System Guide* describes how PTFs must be applied and activated.

8115I PTF LEVEL STATE: *module name* = VERSION VxRxMx PTF PBSxxxx**Written to:**

Operator console.

Explanation:

The PTF level status is displayed in this message (*module name* = the name of the _beta caf program module, VxRxMx = version of the _beta caf program, PBSxxxx = current PTF number of the displayed program module).

System Action:

None.

Operator Response:

Refer to your current *Release Notes and Update Instructions* and the *_beta caf Installation and System Guide* to determine the error. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8116I BETA CICS ACCESS FACILITY ACB *acbname* - *action* IN PROGRESS**Written to:**

Operator console.

Explanation:

The CICS interface program has recognized and implemented an authorized CAF system request.

acbname If *action* is SHUTDOWN: Current application ID of the CAF system in use, which acts as a secondary logical unit against the VDF

 If *action* is RESTART: VTAM application ID of the previously active CAF or empty

action stands for one of the following:

 SHUTDOWN The CAF system has been started and set to inactive. First you must enter the command 'B11C RESTART(YES)' before you are able to logon to VDF via CAF. For more information on CAF administrator commands, see the *CAF Installation and System Guide*.

 RESTART The CAF system is connectible. The first logon request will reestablish the connection to VDF.

System Action:

The displayed action is executed.

Operator Response:

When the CAF system is stopped and a degree of administrative work has been completed, you may reestablish the connection and restart the system. For more information on CAF administrator commands, see the *CAF Installation and System Guide*.

8117I RECEIVE INTERFACE ENDED WITH *return code***Written to:**

Operator console.

Explanation:

The receive transaction has been terminated.

System Action:

The CICS interface is terminated.

Operator Response:

Refer to the IBM VTAM programming manuals to determine the return code issued.

8118E ERROR DETECTED BY RECEIVE INTERFACE**Written to:**

Operator console.

Explanation:

The program BST11OL or BST11OL2 was not at the same place as during the startup time of the program. The connection to the CICS interface has been interrupted and current CAF information may be corrupted.

System Action:

The CICS interface as well as the receive interface are terminated. Unforeseen results may occur, for example abends.

Operator Response:

It is strictly prohibited to use 'NEW COPY' in which CAF is located for the entire group. The receive interface may also not detect the error occurred. See the *CAF Installation and System Guide* to determine the error.

8119E RECEIVE INTERFACE NOT OPERATIONAL: TRANSACTION ID *transid* MISSING IN PCT**Written to:**

Operator console.

Explanation:

An error that is not related to security occurred at the start of the receive transaction. CAF cannot be activated.

transid is the name of the receive transaction whose START has failed.

System Action:

The VTAM connection to VDF cannot be established. CAF is not active. All users are affected by this error.

Operator Response:

The definitions for the transaction ID in CICS and in CAF parameter member B11LSTxx must be checked and adjusted. B11LSTxx is assigned in the CICS STC under DD name CAFPARM or CAFPARM2.

8120W START RECEIVE TRANSACTION REJECTED [- *user information*]**Written to:**

CICS terminal or operator console.

Explanation:

This message can be caused by the following:

- A user has tried to invoke VDF via CICS and has entered **B11R** as a transaction instead of **B11C**.

-OR-

- The session request of a user to an inactive CAF has failed because the receive transaction for the VTAM connection to VDF could not be started. Most likely, the user is not authorized to start this transaction.

If available, *user information* shows who has tried to enter where, and how the logon was requested. It has the following format:

U=*user*, TRM=*terminal ID*, ACCESS=*access_type*

user User ID used in CICS at that time or the CICS default user

terminal ID CICS terminal ID

access type How the CAF system is accessed

The CAF system can be accessed as follows:

DIRECTLY Transaction ID has been entered directly (default B11C)

START TRANS. Via START TRANSACTION

PROGRAM XCTL By means of XCTL

PROGRAM LINK By means of LINK

System Action:

The VTAM connection to VDF cannot be established successfully. The APPL ID of CAF is active, but the RA pool for receiving data from VDF is not available. The CAF activation is incomplete. Establishing the user session fails.

If the next logon request is made by a user who is authorized to start the missing receive transaction, the activation of the CICS online interface can be completed. This is only possible if no other error has occurred.

Operator Response:

Check and adjust the permissions of the current user to enable access to the specified CICS transaction. Alternatively, CAF can be activated by a user who is authorized to start the receive transaction, which gives all other users access to VDF.

8121W SESSION WITH BETA VDF REJECTED [- *user information*]**Written to:**

Operator console or CICS terminal.

Explanation:

The session request of a user has been rejected. When the message is issued on the console, the user information (see message 8100I) is then added to the message text. When the logon request is rejected by VDF, the user information is not issued in the message text. When the request is rejected due to an inactive CAF system, the following information is added to the message text:

'CAF INACTIVE, TRY LATER'

The information is only issued on the CICS terminal when the CAF parameter 'MSG=YES' has been set.

System Action:

None.

Operator Response:

Retry the logon. Check the operator console for accompanying console messages. Immediately restart your CAF system to minimize the risk of session rejections resulting from an inactive CAF system (see message 8116I). Consult your CAF administrator.

8130I TS QUEUE INTERPRETER REQUESTED**Written to:**

Operator console.

Explanation:

The message confirms the CAFPARM parameter TSNAME. The TS Queue interpreter of CAF will be activated when a user starts a logon request.

System Action:

None.

Operator Response:

None.

8131W TS QUEUE MISSING**Written to:**

Operator console.

Explanation:

The TS queue is missing during user logon. User data cannot be interpreted from the TS queue and as a result cannot be passed on to VDF. Nevertheless, the logon request is executed even without transferring user data.

System Action:

None.

Operator Response:

If this message comes up frequently, check the startup parameter of CAF or the application program which CAF calls up in order to test whether the TS queues have been created correctly. Also refer to the *CAF Installation and System Guide* for a correct installation.

8132E READ TS QUEUE FAILED**Written to:**

Operator console.

Explanation:

A different error than the one described in message 8131W occurred during the interpretation of the TS queue.

System Action:

None.

Operator Response:

Refer to your IBM CICS manual(s) for an explanation.

8140I OPERATOR REQUEST ACCEPTED FOR ACB *acbname***Written to:**

Operator console.

Explanation:

The previously entered administrator command has been accepted as an authorized CAF system request. The subsequent console or CICS terminal messages detail the request execution.

System Action:

The request is executed.

Operator Response:

None.

8141E OPERATOR REQUEST REJECTED FOR ACB *acbname***8141E *input line*****Written to:**

Operator console.

Explanation:

The request for the CAF system identified by *acbname* has been rejected. Your entry is displayed in the second line of the message text so that you can analyze the reason of the rejection.

System Action:

Refer to the *CAF Installation and System Guide* for a list of the available CAF control commands and the syntax.

Operator Response:

Correct your entry.

8180E CICS REQUEST *request error***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The CICS request specified in the message could not be executed.
(At present request START)

Parameters:

request = START trans-id

error = REJECTED

The user is not authorized to start CICS transaction *trans-id*.

FAILED

The specified request failed for an unspecified reason.

FAILED, TRANSACTION ERROR

Unknown CICS transaction.

System Action:

CICS request "START" usually starts the receive transaction (for example B11R) that makes the CICS interface (CAF) available for use. Therefore the CAF ACB is CLOSED, making the CICS online interface connectible again. At all events, the user transaction is terminated and a logon is canceled. A second message indicates the severity of the error (Error, Warning):

- "CAF8180E CICS REQUEST START B11R FAILED, TRANSACTION ERROR" is followed by message "CAF8119E RECEIVE INTERFACE NOT OPERATIONAL". (Error)
- "CAF8180E CICS REQUEST START B11R REJECTED" is followed by message "CAF8120W START RECEIVE TRANSACTION REJECTED". (Warning). If the next logon request is made by a user who is authorized to start the receive transaction, the CICS online interface can be activated in the usual way.

Operator Response:

The response depends on the type of error and the type of message that follows it.

- If CAF8180E is followed by a second error message (CAF8119E), it will not be possible to use the CICS interface until the error is corrected (adjustment of the CICS definitions).
- If CAF8180E is only followed by a warning (CAF8120W), it simply means that the user is not authorized to start the transaction. Check and adjust the permissions of the current user to enable access to the specified CICS transaction. Alternatively, CAF can be activated by a user who is authorized to start the receive transaction, giving all other users access to VDF.

8181E MESSAGE *object* COULD NOT BE PROCESSED, REASON: *reason***Written to:**

Operator console.

Explanation:

Processing and output of a message has failed. The text field *object* indicates whether this problem affects an individual message (*object=msgid*) or the message program itself (*object=PROGRAM*). The text field *reason* provides information on the reason of the error.

<i>object=PROGRAM</i>	<p>The error affects the communication between programs (program parameter error). The message program (BST11ME) could not be executed for one of the following reasons:</p> <p>COMMAREA INVALID There was an error passing the COMMAREA, or the COMMAREA was overwritten.</p> <p>MSG PARM MISSING No message request was passed to BST11ME.</p> <p>MSG PARM INVALID/LENGTH? There was an error passing the message request to BST11ME.</p> <p>CMC PARM MISSING Required user information was not passed to BST11ME.</p>
<i>object=msgid</i>	<p>Processing of the message was impossible or incomplete. The following reasons are possible:</p> <p>MSGID MISSING/INVALID MSGID not found or not supported (parameter error)</p> <p>MSG MISSING Message text not found (parameter error)</p>

System Action:

In case of a program parameter error, it is not possible to process any message requests that are sent from the calling program to BST11ME.

In case of a message parameter error, it is not possible to process the indicated message.

The error affects only message processing and output. This means that important information may not be available, but the rest of the _beta caf functionality is not affected, and _beta caf continues processing.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498). Include information on the version of the _beta caf programs you are using in your problem report.

8185E RETURN TO PROGRAM *name* FAILED / REJECTED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

It was not possible to return to program *name*, which was specified to be called by CAF parameter RETPGM=*name* at session logoff.

- Error status FAILED indicates error condition PGMIDERR. Program *name* could not be found or loaded.
- Error status REJECTED indicates that the user is not authorized to access the program (NOTAUTH).

System Action:

The CAF session is terminated and control is returned to the next logical level or to CICS. This error does not affect the CICS interface itself. However, in the case of error condition FAILED, all users are affected at logoff.

Operator Response:

- If the program call is REJECTED, check the security definitions (permissions) of the user or users concerned. If appropriate, choose a different program to return to .
- If the program call is FAILED (PGMIDERR), check all the program-relevant definitions in CICS and CAFPARM:
 - Check and adjust the PPT definition for the return program. Make sure that the program is in a CICS STC load library (under DFHRPL) that is defined to CICS, and is enabled. For further information, please refer to the corresponding IBM manual.
 - Check the program name in CAF parameter RETPGM in definitions member B11LSTxx. This is assigned to the CICS started task under DD name CAFPARM or CAFPARM2.

8190I BETA CICS ACCESS FACILITY PARAMETER FROM *ddname* *action***Written to:**

Operator console.

Explanation:

The CICS interface program reads in its startup parameters from the dataset entered under *ddname* in the CICS startup procedure.

ddname stands for CAFPARM or CAFPARM2

action may be one of the following:

REQUESTED start of the read-in

ACCEPTED the read-in has been successfully completed

System Action:

None.

Operator Response:

None.

**8196I/8196E/8196W, 8197I/8197E/8197W, 8198I/8198E/8198W,
8199I/8197E/8197W trace messages****Written to:**

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA CAF component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None.

8200 - 8299 _beta iaf messages

8200E BST12I00 VxRxMx-INVALID 3270 DATASTREAM OCCURRED

**8200E BST12I00 VxRxMx-INVALID 3270 DATASTREAM OR USERDATA OCCURRED
(userid/lterm)**

Written to:

Operator console or IAFTRACE.

Explanation:

_beta iaf has detected an error in the input datastream. The user ID *userid* and the IMS terminal *lterm* are displayed in the message text if available.

System Action:

Operation is terminated.

Operator Response:

Refer to the IMS messages and to the IAFTRACE file for more information. Check whether a synchronization error has occurred in your environment.

8200I BST12I00 VxRxMx *action*

Written to:

IAFTRACE.

Explanation:

The message details the communication status between IAF and IMS. *action* stands for one of the following:

STARTED _beta iaf has activated the IMS transaction for the first time.

RESTARTED _beta iaf has reactivated the IMS transaction.

ENDED _beta iaf is terminated.

System Action:

Operation continues for STARTED and RESTARTED. Processing is terminated for ENDED.

Operator Response:

None.

8201E IAF NOT OPERATIONAL - CUSTOMIZE AND RUN SAMPLE JOB B12LINK

Written to:

Operator console.

Explanation:

IAF does not operate due to an incomplete installation.

System Action:

Operation is terminated.

Operator Response:

Relink the IAF programs in the IMS load library. Use the sample job in member B12LINK of the BSA.SAMPLIB.

8203E DD-STATEMENT MISSING *ddname***Written to:**

IAFTRACE.

Explanation:

A DD statement is missing from the MPP JCL.

System Action:

Operation is terminated.

Operator Response:

Add the missing DD statement to the MPP procedure.

8204E UNABLE TO OPEN *ddname***Written to:**

IAFTRACE.

Explanation:

_beta iaf is unable to use the file described by *ddname*.

System Action:

Operation is terminated.

Operator Response:

Verify the file attributes.

8211E RC=(*rc*,X'*hexrc*'),FDBK=(*fdbk*,X'*hexfdbk*') UNABLE TO CONTACT VDF**Written to:**

IAFTRACE.

Explanation:

The IMS transaction of _beta iaf is unable to pass on a request to the VTAM PLU. The PLU specified in the IAFPARMS parameter set may be stopped or invalidated. *rc* and *hexrc* are the VTAM return codes in decimal and hexadecimal format, *fdbk* and *hexfdbk* the VTAM feedback codes in decimal and hexadecimal format.

System Action:

Operation continues.

Operator Response:

Verify that the PLU name in IAFPARMS is known to VTAM and in CONCT status.

8212E RC=(rc,X'hexrc'),FDBK=(fdbk,X'hexfdbk') UNABLE TO CONTACT VTAM**Written to:**

IAFTRACE.

Explanation:

The IMS transaction of _beta iaf is unable to pass on a request to VTAM. The SLU specified in the IAFPARMS parameter set may be stopped or invalidated. *rc* and *hexrc* are the VTAM return codes in decimal and hexadecimal format, *fdbk* and *hexfdbk* the VTAM feedback codes in decimal and hexadecimal format.

System Action:

Operation continues.

Operator Response:

Verify that the SLU name in IAFPARMS is known to VTAM and in CONCT status.

8213W RC=(rc,X'hexrc'),FDBK=(fdbk,X'hexfdbk') UNBIND RECEIVED FROM VDF**Written to:**

IAFTRACE.

Explanation:

VTAM requests _beta iaf to terminate the VDF _beta iaf session. _beta iaf will try to restart the session.

System Action:

Operation continues.

Operator Response:

None.

8214E RC=(rc,X'hexrc'),FDBK=(fdbk,X'hexfdbk') text**Written to:**

IAFTRACE.

Explanation:

VTAM returns an unknown error to _beta iaf. *text* precisely defines the program section. *text* stands for: REC MSG BY RECPGM, REC MSG0 BY RECPGM, REC MSG1 BY RECPGM, SND PGM, or RCLPGM. 'REC MSG1 BY RECPGM' comes from an IAF receive program, 'SND PGM' from an IAF send program and 'RCLPGM' from an IAF resource cleanup program .

System Action:

Operation continues. _beta iaf will try to restart the session.

Operator Response:

Refer to VTAM messages and codes to determine the cause of the error.

8215I SMFID=*smfid* JOB=*jobname* STEP=*stepname* PROCSTEP=*procstepname*
8216I PLU=*pluname* SLU=*sluname* IMSID=*imsid* LTERM=*ltermname* USERID=*userID*
8217I RESOURCE CLEANUP ISSUED
8218I CONVERSATION STOPPED

Written to:

IAFTRACE.

Explanation:

The IMS transaction of _beta iaf is unable to (re-)establish its VDF Beta IAF session. The IMS transaction of _beta iaf has stopped the IMS conversation. *smfid* is the z/OS SMF ID, *jobname*, *stepname*, and *procstepname* refer to the current address space (the MPP). *pluname* and *sluname* are PLU and SLU names of the VDF connection. *imsid* is the IMS subsystem ID, *ltermname* and *user ID* are the LTERM name and user ID involved.

System Action:

Operation continues.

Operator Response:

None.

8219E RC=(*rc*,X'*hexrc*'),FDBK=(*fdbk*,X'*hexfdbk*') LOOK FOR MESSAGES WITHIN IAFTRACE

Written to:

IAFTRACE.

Explanation:

The IMS transaction of _beta iaf has stopped the IMS conversation either due to an error in the IAFPARMS parameters or an error during session processing. *rc* and *hexrc* are the return codes from BSA12IVP in decimal and hexadecimal format. *fdbk* and *hexfdbk* are the feedback codes from BSA12IVP in decimal and hexadecimal format.

System Action:

Operation continues.

Operator Response:

Refer to messages in IAFTRACE file to determine the cause of the error.

8221E GOTMSG FUN=*reqcode*,DEST=*destname*,STATUS-CODE=('*char*' ,X'*hex*')**Written to:**

IAFTRACE.

Explanation:

The IMS transaction of _beta iaf is unable to pass on a request to DL1 to read a message from the IMS message queue. *reqcode* is the DL1 request that failed, *destname* is the DL1 destination name involved, *char* and *hex* are the DL1 status codes in character and hexadecimal format.

System Action:

Operation terminates with user abend U4000.

Operator Response:

See IMS Messages and Codes to determine the cause of the error.

8222E FETMSG FUN=*reqcode*,DEST=*destname*,STATUS-CODE=('*char*' ,X'*hex*')**Written to:**

IAFTRACE.

Explanation:

The IMS transaction of _beta iaf is unable to pass on a request to DL1 to fetch the SPA from IMS. *reqcode* is the DL1 request that has failed; *destname* is the DL1 destination name involved, *char* and *hex* are the DL1 status codes in character and hexadecimal format.

System Action:

Operation terminates with user abend U4000.

Operator Response:

See IMS Messages and Codes to determine the cause of the error.

8223E SNDMSG FUN=*reqcode*,DEST=*destname*,STATUS-CODE=('*char*' ,X'*hex*')**Written to:**

IAFTRACE.

Explanation:

The IMS transaction of _beta iaf is unable to pass on a request to DL1 to send a message to the IMS message queue. *reqcode* is the DL1 request that has failed; *destname* is the DL1 destination name involved, *char* and *hex* are the DL1 status codes in character and hexadecimal format.

System Action:

Operation terminates.

Operator Response:

Refer to IMS Messages and Codes to determine the cause of the error.

8224E ALTMSG FUN=*reqcode*,DEST=*destname*,STATUS-CODE=(' *char* ',X'*hex* ')**Written to:**

IAFTRACE.

Explanation:

The IMS transaction of _beta iaf is unable to pass a change destination request to DL1 to send a message to the IMS message queue for using another destination. *reqcode* is the DL1 request that has failed; *destname* is the DL1 destination name involved; *char* and *hex* are the DL1 status codes in character and hexadecimal format.

System Action:

The system attempts to terminate the conversation as normal.

Operator Response:

Refer to IMS messages and codes to determine the cause of the error.

8225E RETMSG FUN=*reqcode*,DEST=*destname*,STATUS-CODE=(' *char* ',X'*hex* ')**Written to:**

IAFTRACE.

Explanation:

The IMS transaction of _beta iaf is unable to pass a request to DL1 to return the SPA to IMS. *reqcode* is the DL1 request that has failed; *destname* is the DL1 destination name involved, *char* and *hex* are the DL1 status codes in character and hexadecimal format.

System Action:

Operation terminates.

Operator Response:

Refer to IMS Messages and Codes to determine the cause of the error.

8229E UNABLE TO ESTABLISH CONTROL BLOCKS. CONVERSATION ENDED**Written to:**

IAFTRACE.

Explanation:

The IMS transaction of _beta iaf is unable to establish its control blocks.

System Action:

Operation continues.

Operator Response:

Refer to the IAFTRACE file for more information regarding the error.

8230I BST12IVP VERSION *x* RELEASE *y.z* PARAMETER SETUP STARTED**Written to:**

IAFTRACE.

Explanation:

_beta iaf starts interpreting the parameters in the IAFPARMS file.

System Action:

Operation continues.

Operator Response:

None.

8231I *string* ACCEPTED**Written to:**

IAFTRACE.

Explanation:_beta iaf has accepted the parameter *string*.**System Action:**

Operation continues.

Operator Response:

None.

8232W *string* NOT SPECIFIED**Written to:**

IAFTRACE.

Explanation:_beta iaf is unable to determine the keyword *string*.**System Action:**

Operation continues. _beta iaf attempts to use a default.

Operator Response:

Add the relevant parameter to the parameter set specified under IAFPARMS.

8233W *string* DEFAULTTED**Written to:**

IAFTRACE.

Explanation:The keyword *string* has been assigned a default value.**System Action:**

Operation continues.

Operator Response:

Verify that the default for the string is acceptable. If not, add the parameter to IAFPARMS.

8234E *string* NOT SPECIFIED BUT REQUIRED**Written to:**

IAFTRACE.

Explanation:

_beta iaf could not determine the parameter *string*, which is required.

System Action:

Operation terminates.

Operator Response:

Add the relevant parameter to the parameter set specified under IAFPARMS.

8235E VALUE MISSING *string***Written to:**

IAFTRACE.

Explanation:

The keyword *string* was coded but no value could be found for it.

System Action:

Operation terminates.

Operator Response:

Add a value for the relevant parameter.

8236E VALUE TOO LONG *string***Written to:**

IAFTRACE.

Explanation:

The value that has been read for keyword *string* exceeds the maximum length. _beta iaf is unable to assign a value to the parameter.

System Action:

Operation terminates.

Operator Response:

Correct the value for keyword *string*.

8237E VALUE INVALID *string***Written to:**

IAFTRACE.

Explanation:

An invalid value was coded for keyword *string*. _beta iaf could not assign a value to the parameter.

System Action:

Operation terminates.

Operator Response:

Correct the value for keyword *string*.

8238E DUPLICATE SPECIFICATION *string***Written to:**

IAFTRACE.

Explanation:

The keyword *string* has been keyed in twice in IAFPARMS. This is not permitted. Therefore _beta iaf could not assign a value to the keyword.

System Action:

Operation terminates.

Operator Response:

Remove one of the duplicate keywords from IAFPARMS.

8239E UNKNOWN PARAMETER *string***Written to:**

IAFTRACE.

Explanation:

An unrecognizable keyword has been keyed in IAFPARMS.

System Action:

Operation terminates.

Operator Response:

Remove the keyword from IAFPARMS.

8240I TRACE IS NOW INACTIVE**Written to:**

IAFTRACE.

Explanation:

_beta iaf cannot be traced to the IAFTRACE file.

System Action:

Operation continues.

Operator Response:

None.

8241I TRACE IS NOW ACTIVE**Written to:**

IAFTRACE.

Explanation:

_beta iaf starts tracing to the IAFTRACE file.

System Action:

Operation continues.

Operator Response:

None.

8245E UNABLE TO FETCH IMSID**Written to:**

IAFTRACE.

Explanation:

_beta iaf is unable to obtain the IMSID of the IMS it is running under.

System Action:

Operation terminates.

Operator Response:

Specify the IMSID= keyword in IAFPARMS.

8246E EXITTRN AND RETTRN ARE MUTUALLY EXCLUSIVE**Written to:**

IAFTRACE.

Explanation:

Both EXITTRN and RETTRN have been erroneously specified in IAFPARMS.

System Action:

Operation terminates with user abend U4000.

Operator Response:Depending on how IAF is to be threaded into an existing IMS application, remove either EXITTRN or RETTRN, or both. For more details, see the parameter description in the *_beta iaf Installation and System Guide*.

8252W IAFPARMS LEFT ALLOCATED**Written to:**

IAFTRACE.

Explanation:

_beta iaf completes parameter operation.

System Action:

Operation continues.

Operator Response:

None.

8253I IAFTRACE LEFT OPEN**Written to:**

IAFTRACE.

Explanation:

_beta iaf has left the IAFTRACE file open for further operation. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8254I PARAMETER SETUP COMPLETED SUCCESSFULLY**Written to:**

IAFTRACE.

Explanation:

_beta iaf completes parameter operation and no errors have been detected.

System Action:

Operation continues.

Operator Response:

When parameters are subsequently changed, the MPPs must be reactivated so that the modified parameters will come into effect.

8255E PARAMETER SETUP FAILED**Written to:**

IAFTRACE.

Explanation:

_beta iaf completes parameter processing. Errors have been detected.

System Action:

Operation terminates.

Operator Response:

Refer to accompanying messages to determine the parameter(s) in error.

8261I EXLST GENNED**Written to:**

IAFTRACE.

Explanation:

_beta iaf VTAM GENCB for EXLST has been successfully completed. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8262I ACB GENNED**Written to:**

IAFTRACE.

Explanation:

_beta iaf VTAM GENCB has been successfully completed. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8263I ACB IS NOW OPEN**Written to:**

IAFTRACE.

Explanation:

_beta iaf has opened the ACB successfully. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8264I LOGON ENABLED**Written to:**

IAFTRACE.

Explanation:

_beta iaf has issued the SETLOGON successfully. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8265I NIB GENNED**Written to:**

IAFTRACE.

Explanation:

_beta iaf VTAM GENCB for NIB has been successfully completed. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8266I REQSESS ACCEPTED**Written to:**

IAFTRACE.

Explanation:

VTAM has accepted Beta IAF's REQSESS to VTAM. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8267I REQSESS COMPLETED**Written to:**

IAFTRACE.

Explanation:

VTAM has completed Beta IAF's REQSESS to VDF successfully. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8269I SESSION ESTABLISHED**Written to:**

IAFTRACE.

Explanation:

_beta iaf to VDF session building up completed. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8271E RC=(rc,X'hexrc'),FDBK=(fdbk,X'hexfdbk') SEND FAILED**Written to:**

IAFTRACE.

Explanation:

VTAM returned an error and feedback code to _beta iaf. _beta iaf will try to reestablish the VDF _beta iaf session to perform the send to VDF.

System Action:

If possible, operation continues.

Operator Response:

If _beta iaf fails to reestablish the VDF to _beta iaf session, refer to VTAM messages and codes to determine the cause of the error.

8272E RC=(rc,X'hexrc'),FDBK=(fdbk,X'hexfdbk') RECEIVE FAILED**Written to:**

IAFTRACE.

Explanation:

VTAM returned an error and feedback code to _beta iaf. _beta iaf will try to reestablish the VDF _beta iaf session to perform the receive against VDF.

System Action:

If possible, operation continues.

Operator Response:

If _beta iaf fails to reestablish the VDF to _beta iaf session, refer to VTAM messages and codes to determine the cause of the error.

8275I ACB IS NOW CLOSED**Written to:**

IAFTRACE.

Explanation:

_beta iaf has closed the ACB successfully. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8276I RESOURCE CLEANUP COMPLETE**Written to:**

IAFTRACE.

Explanation:

_beta iaf has completed its resource cleanup. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8279E RC=(rc,X'hexrc'),FDBK=(fdbk,X'hexfdbk') text**Written to:**

IAFTRACE.

Explanation:

VTAM returned an error and feedback code to _beta iaf. *text* is the explanation of the error: ACB OPEN FAILED, GENCB EXLST FAILED, GENCB ACB FAILED, GENCB NIB FAILED, REQSESS FAILED 1, REQSESS FAILED 2, or REQSESS FAILED.

System Action:

Operation continues.

Operator Response:

See VTAM messages to determine the reason for the error.

8281I SCIP EXIT SCHEDULED**Written to:**

IAFTRACE.

Explanation:

VTAM has scheduled Beta IAF's SCIP exit. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8284I SCIP UNBIND RECEIVED**Written to:**

IAFTRACE.

Explanation:

VTAM requests _beta iaf to terminate the VDF Beta IAF session. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8285I CMIECB POSTED**Written to:**

IAFTRACE.

Explanation:

Beta IAF's SCIP exit notifies the Beta IAF main program of an action to be taken. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8286I SCIP BIND RECEIVED**Written to:**

IAFTRACE.

Explanation:

VTAM requests Beta IAF to establish the VDF Beta IAF session. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8287I ECBY POSTED**Written to:**

IAFTRACE.

Explanation:

Beta IAF's SCIP exit notifies the Beta IAF main program of an action to be taken. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8288I SCIP SDT RECEIVED**Written to:**

IAFTRACE.

Explanation:

VTAM requests Beta IAF to start data traffic. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8289I DATA TRAFFIC STARTED**Written to:**

IAFTRACE.

Explanation:

Beta IAF has activated the data traffic. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8290I SCIP UNKNOWN RECEIVED**Written to:**

IAFTRACE.

Explanation:

An unknown VTAM request has been passed to Beta IAF's SCIP exit. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8291I SCIP EXIT TERMINATED**Written to:**

IAFTRACE.

Explanation:

Beta IAF's SCIP exit completed. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8292I TPEND EXIT SCHEDULED**Written to:**

IAFTRACE.

Explanation:

VTAM has scheduled Beta IAF's TPEND exit. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8293I CMIECB POSTED**Written to:**

IAFTRACE.

Explanation:

Beta IAF's TPEND exit notifies the Beta IAF main program of an action to be taken. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8294I TPEND EXIT TERMINATED**Written to:**

IAFTRACE.

Explanation:

Beta IAF's TPEND exit completed. This is a trace message.

System Action:

Operation continues.

Operator Response:

None.

8295E DL/1 INTERFACE ENTRY POINT IS NULL**Written to:**

IAFTRACE.

Explanation:

The IAF IMS transaction is unable to call up the DL/1 interface due to an incorrect entry point address.

System Action:

Operating terminates with user abend U4000.

Operator Response:

Relink module BST12I00 using the JCL provided in B12LINK in the BSA.SAMPLIB.

**8296I/8296E/8296W, 8297I/8297E/8297W, 8298I/8298E/8298W,
8299I/8299E/8299W trace messages****Written to:**

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA IAF component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None.

8300 - 8399 _beta vaf messages

Currently there are no messages within this range.

8400 - 8499 _beta report (RPG) messages (part 1)

More _beta report messages can be found in "9400 - 9499 _beta report (RPG) messages (part 2)" on page 334.

VPF messages (VPF84nnx) are described in *_beta vpf (Beta 93 VPF) Messages and Codes*.

8400E *field* MUST BE A CHARACTER FIELD

Written to:

RPGSCAN.

Explanation:

The specified field must be a character field.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8401E DATE|TIME LITERAL CANNOT BE LONGER THAN 10|11 CHARACTERS

Written to:

RPGSCAN.

Explanation:

The date literal or time literal is too long.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8402E DATE|TIME VALUE FOR *variable* CONTAINS TOO MANY CHARACTERS

Written to:

RPGSCAN.

Explanation:

The date value or time value is too long.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8403E TWO DATE FIELDS ARE NOT ALLOWED**Written to:**

RPGSCAN.

Explanation:

Only one date field can be used with the GETTIME command.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8404E TWO TIME FIELDS ARE NOT ALLOWED**Written to:**

RPGSCAN.

Explanation:

Only one time field can be used with the GETTIME command.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8405E DATEMASK *datemask* NOT SUPPORTED**Written to:**

RPGSCAN.

Explanation:

The DATEMASK specified in RPGIN is not supported. A list of valid date masks can be displayed online under option P.2 of the Beta Systems product.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8406E NO CORRESPONDING BQL_EXEC FOUND**Written to:**

RPGSCAN.

Explanation:

The WHILE / ENDWHILE loop containing BQL_END does not contain any corresponding BQL_EXEC command.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8407E TOKEN LITERAL MUST BE 16 CHARACTERS LONG**Written to:**

RPGSCAN.

Explanation:

The token literal is either too long or too short.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8408E TOKEN VALUE FOR *variable* MUST BE 16 CHARACTERS LONG**Written to:**

RPGSCAN.

Explanation:

The token value is either too long or too short.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8409E TOKEN LITERAL IS INVALID**Written to:**

RPGSCAN.

Explanation:

The token literal contains invalid characters. Only hexadecimal characters are allowed.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8410E TOKEN VALUE FOR *variable* IS INVALID**Written to:**

RPGSCAN.

Explanation:

The token value contains invalid characters. Only hexadecimal characters are allowed.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8411E DATE/TIME KEYWORD MISSING**Written to:**

RPGSCAN.

Explanation:

The CALTOKEN command requires that you specify a date variable with the corresponding keyword DATE and/or a time variable with the corresponding keyword TIME.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8412E TOKEN MISSING**Written to:**

RPGSCAN.

Explanation:

The CALTOKEN command requires that you specify a token.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8413E ssid IS A DIFFERENT SYSTEM**Written to:**

RPGSCAN.

Explanation:

When using the SETSSID command, the new subsystem must be of the same product type as the previous subsystem.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8414E ONLY STRING VARIABLES ARE ALLOWED FOR THE READ COMMAND**Written to:**

RPGSCAN.

Explanation:

All fields specified with a READ command must be of the type string.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8415E NUMBER OF FIELDS IN PUNCH COMMAND IS GREATER THAN *nn***Written to:**

RPGSCAN.

Explanation:

The maximum number of fields you can specify with a PUNCH command is *nn*.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8416E PROGRAM *name* NOT FOUND**Written to:**

RPGSCAN.

Explanation:

The program or REXX specified with the CALL command could not be found.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8417E TOKEN VALUE FOR *variable* IS INVALID**Written to:**

RPGSCAN.

Explanation:

The token variable contains invalid characters. Only hexadecimal characters are allowed.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8418E VARIABLE *name* IS OUTSIDE RECORD RANGE**Written to:**

RPGSCAN.

Explanation:

The total length of the fields specified with the READ command is greater than the record.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8419E value IS ILLEGAL -- EXPECTED VALUES: YES/NO OR JA/NEIN**Written to:**

RPGSCAN.

Explanation:

The value specified with a parameter is illegal. The parameter (for example, TRACE, DEBUG, or THOUSANDSIGN) supports only the values YES and NO (or their German equivalents).

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8420E ddname IS A PO DATASET**Written to:**

RPGSCAN.

Explanation:

The PUNCH command can only be used with PS datasets.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8421E LENGTH OF THE FIELD *field* IS GREATER THAN MAXIMUM LENGTH**Written to:**

RPGSCAN.

Explanation:

This field cannot be used in a report because the length of this field is greater than the maximum length of the line.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

8422I ssid IS NOT A V4 VERSION - MODULE BST16RPG HAS BEEN STARTED**Written to:**

RPGSCAN.

Explanation:

The version 4 RPG program BST16RPG has recognized that the specified subsystem is a version 3 subsystem. It has therefore called the version 3 RPG program BST16RPG.

System Action:

The program execution continues.

Operator Response:

None if you are intentionally using the same JCL for the BSA V3 Report Generator and the BSA V4 Report Generator.

8423E THE GETDATA COMMAND IS NOT AVAILABLE FOR SUBSYSTEM *subsystem ID***Written to:**

RPGSCAN.

Explanation:

The subsystem is not a Beta 88 subsystem. The GETDATA command is a Beta 88-specific command.

System Action:

The program is terminating.

Operator Response:

Choose the correct subsystem ID or procedure.

**8496I/8496E/8496W, 8497I/8497E/8497W, 8498I/8498E/8498W,
8499I/8499E/8499W trace messages****Written to:**

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA RPG component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None.

8500 - 8599 BSA Communication Integrator messages

8500I PLUGIN *name* VERSION */info/* HAS BEEN LOADED

Written to:

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator has been activated. The client program (PLUGIN) used for the processing is displayed under *name*. Information on the PLUGIN version is displayed under *info*.

System Action:

The system works with the loaded PLUGIN.

Operator Response:

None.

8501E SERVER(*port/app*): OSEC INIT ERROR, RC: *rc* / *text*

-OR-

8501E OSEC INIT ERROR DURING STARTUP, RC: *rc* / *text*

Written to:

SYSLOG, JESMSG LG.

Explanation:

While activating BSA Communication Integrator (CI) and initializing the OSEC environment (System SSL), an error has occurred.

For an explanation of the return code, see "BSA CI and TCP/IP server codes" on page 479 or the IBM manual *System SSL Programming. text* gives a short description of the error cause.

System Action:

The activation is canceled. BSA CI does not work.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate BSA CI.

**8501I SERVER(*port/app*): WAITING FOR WORK (PORT *ipa:port/Bnn_app*/RC: *rc*) -
MODE: *mode*****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The activation of the port *port* for the product application *Bnn_app* and the IP address *ipa* in the BSA CI was successful. *mode* displays the runtime mode used for the port and for the application. (For more information on runtime modes, see "Available runtime modes" in *BSA Installation and System Guide*.)

The following return codes may appear:

- 0 The activation was successful. The system continues processing.
- 16 The activation was successful. The system continues processing. However, the communication function for the subsystem (i.e. the subsystem entered in the parameter *ssid* in the keyword *Bnn_TCPIP_PORT_app*) has already been activated and afterwards updated with the startup parameters of the BSA CI.
- 20 The activation was not successful. The communication function for the subsystem (i.e. the subsystem entered in the parameter *ssid* in the keyword *Bnn_TCPIP_PORT_app*) could not be activated. The product control program *Bnn4XCTR* could not be loaded in the connected subsystem.
- 24 The activation was not successful. The connected subsystem or a necessary communication function within the connected subsystem is not active.

System Action:

The system is still active but cannot work with the port and the application.

Operator Response:

None.

**8502E SERVER(*port/app*): NOT OPERATIONAL (PORT | SERVICE PORT
ipa:port/Bnn_app)****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator was started. Port *port* and IP address *ipa* could not be activated for the product application *Bnn_app*. As a rule, this message precedes message 8510E and/or message 9267W.

System Action:

The BSA Communication Integrator started task continues processing. However, the specified port cannot be used.

Operator Response:

Identify and eliminate the source of the error.

**8502I SERVER(*port/app*): WAITING FOR WORK (SERVICE PORT *ipa:sport/Bnn_app*)
- MODE: *mode*****Written to:**

SYSLOG, JESMSGLG.

Explanation:

While activating the port *port* for the application *app*, the service port *sport* with the IP address *ipa* has been activated. *Bnn_app* is the product application.

mode displays the runtime mode used for the service port. (For more information on runtime modes, see *BSA Installation and System Guide*, chapter "BSA Communication Integrator".)

System Action:

The system continues processing.

Operator Response:

None.

8503I LOGON *name* VERSION */info/* HAS BEEN LOADED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA Communication Integrator has been activated. For the logon, the program *name* has been loaded. *info* displays information on the program version.

System Action:

The system works with the loaded DLL module.

Operator Response:

None.

8504I MIXED-CASE PASSWORD SUPPORT FOR THE LOGON HAS BEEN ACTIVATED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

While activating the BSA Communication Integrator, case-sensitive (mixed-case) password support for the logon has been activated.

System Action:

All passwords have to be entered exactly as specified. Uppercase and lowercase can be used. When logging in to the system, passwords will not be converted. There is no case conversion.

The usage of case-sensitive passwords must be supported by your security system in use, e.g. RACF.

Operator Response:

None.

8505I SERVER(*port/app*): INIT REQUEST TO SSID *ssid* TO START ASSOCIATED FUNCTION HAS BEEN SCHEDULED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator tries to establish a connection to the subsystem *ssid* which has been defined in the keyword *Bnn_TCPIP_PORT_app*.

System Action:

The BSA Communication Integrator waits until the connection can successfully be established to the application via the port. Depending on the subsystem reply, the BSA Communication Integrator can use the connection to work with the application via the port.

Operator Response:

None.

8506I BSA TCP/IP BUFFER TRACE HAS BEEN ACTIVATED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The internal buffer trace for the BSA Communication Integrator has been activated with the keyword *BSA_TCPIP_TRACE_BUF*.

System Action:

All data of the send and receive buffers are issued. The system continues processing.

Operator Response:

None.

8507E KEYWORD *keyword* [IS REQUIRED | CONTAINS AN INVALID SVC NUMBER]**Written to:**

SYSLOG, JESMSG LG.

Explanation:

BSA Communication Integrator was started. The necessary keyword *keyword* is not present, or the SVC number specified in *BSA_SVC_NUMBER* is invalid.

System Action:

The BSA CI started task is stopped.

Operator Response:

Identify and eliminate the source of the error.

8508I BSA CI SERVER HAS BEEN ACTIVATED VIA ANCHOR POINT: *address***Written to:**

SYSLOG, JESMSG LG.

Explanation:

BSA Communication Integrator was started. *address* indicates the anchor point address of the control blocks of all activated ports.

System Action:

The BSA Communication Integrator started task continues processing.

Operator Response:

None.

8509I SERVER(*port/app*): BSA CI-*type*-SUPPORT HAS BEEN INITIALIZED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator has initialized port number *port*. The port can be used by one or more applications of the product specified in the defining keyword (*Bnn_*), depending on the *type*:

GLOBAL The port is a global port, which means that it can be used by all applications of this product (*app* in this message is BSA).

APPL The port is an application port, which means that it can only be used by the indicated application *app*. The application is determined by the suffix *_app* in the defining keyword.

System Action:

The BSA Communication Integrator started task continues processing.

Operator Response:

None.

8510E SERVER(*port/app*): BIND ERROR FOR PORT *port* OCCURRED: *errno/text***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator was started. The TCP/IP bind to port *port* failed and a connection could not be established between the BSA Communication Integrator and the specified port. *ipa* indicates the IP address, *errno* shows the error number, *text* gives details of the error.

System Action:

The BSA Communication Integrator started task continues processing. However, the specified port cannot be used. Depending on the value specified for *Bnn_TCPIP_RETRY_INTERVAL*, a retry may be made to activate the port.

Operator Response:

Identify the source of the error and retry the connection between the BSA Communication Integrator and the specified port.

8510E SERVER(*port/app*): BINDV6 ERROR FOR *ipa:port* OCCURRED: *errno/text***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator was started. The port number *port* is to be activated for application *app*. An error has occurred while trying to connect to the IPv6 address *ipa*. *errno* shows the error number, *text* gives details of the error.

port Port number

app Application name (add-on) of the port or BSA when the global port is used

System Action:

The system continues processing. There is no retry. The port is not activated.

Operator Response:

Identify the source of the error and eliminate it. If the problem persists, please contact Beta Systems support (see "Calling for support" on page 498).

Note: The BSA Communication Integrator does not support IPv6.

8510I BETA SVC *svcnum* FOR BSACI WILL BE USED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA Communication Integrator has been started. The message shows the SVC number *svcnum* that is defined in the LST parameter BSA_SVC_NUMBER and that will be used for communicating with Beta Systems products.

System Action:

The BSA Communication Integrator started task continues processing.

Operator Response:

None.

8511W DUPLICATE PORT *port* FOR *Bnn_app* HAS BEEN DEFINED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

While activating the BSA Communication Integrator, the port *port* for the product application *Bnn_app* has been defined in several *Bnn_TCPIP_PORT_app* keywords. The port information from the first keyword where the port has been defined will be used.

System Action:

The activation of the BSA Communication Integrator continues. The BSA Communication Integrator works with the selected port.

Operator Response:

Analyze the cause of the error, correct it, and restart the BSA Communication Integrator if necessary.

8512E *name* VALUE IS INVALID OR MISSING IN KEYWORD *keyword***Written to:**

SYSLOG, JESMSGLG.

Explanation:

While activating the BSA Communication Integrator, the value *name* in the keyword *keyword* is invalid or has not yet been defined.

System Action:

The activation is canceled. The BSA Communication Integrator ignores the keyword *keyword*.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

8512W *mode* VALUE IN KEYWORD *keyword* WILL BE CHANGED FROM *mode* TO *newmode***Written to:**

SYSLOG, JESMSGLG.

Explanation:

BSA Communication Integrator was started. An invalid work mode *mode* was specified in keyword *keyword*. Mode *mode* is changed to the compatible and usable mode *newmode*, thereby activating the port.

System Action:

The BSA CI started task continues processing.

Operator Response:

Where appropriate eliminate the error so that the message does not occur the next time the system is started.

8514E DLL FUNCTION *name* COULD NOT BE FOUND**Written to:**

SYSLOG, JESMSGLG.

Explanation:

While activating the BSA Communication Integrator, the defined DLL could not be found (you can find the DLL name in message 8503I or 8515E). The system detects that the DLL does not contain the necessary function *name*.

The functions necessary for a logon of a DLL are described in the *BSA Installation and System Guide*, chapter "BSA Communication Integrator".

System Action:

The activation is continued. The BSA Communication Integrator does not check the logon.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

**8514W CUSTOMER DLL AND CUSTOMER LOGON EXIT VALUES ARE MUTUALLY EXCLUSIVE
- BSA DEFAULT DLL USED****Written to:**

SYSLOG, JESMSG LG.

Explanation:

While activating the BSA Communication Integrator, the system detects that both keywords BSA_TCPIP_SSL_CONV_DLL and Bnn_TCPIP_LOGON_EXIT[_app] have been defined. The keywords are mutually exclusive. Only one can be entered at a time.

System Action:

The activation is continued. The value defined under the keyword BSA_TCPIP_SSL_CONV_DLL will be used.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

8515E DLL *name* FOR LOGON PROCESSING HAS INVALID FUNCTIONS OR COULD NOT BE FOUND**Written to:**

SYSLOG, JESMSG LG.

Explanation:

While activating the BSA Communication Integrator, the DLL *name* is to be loaded. The DLL could either not be found or does contain invalid functions.

The functions necessary for a logon of a DLL are described in the *BSA Installation and System Guide*, chapter "BSA Communication Integrator". The DLL is defined under the keyword BSA_TCPIP_SSL_CONV_DLL.

System Action:

The activation is continued. The BSA Communication Integrator does not check the logon.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

8515I SERVER(*port/app*): LOGON USER EXIT *name* HAS BEEN LOADED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator has been activated. The program *name* used for the logon has been loaded.

System Action:

The system works with the loaded logon module. The logon module is used for checking the user in the security system.

Operator Response:

None.

8515W SERVER(*port/app*): LOGON USER EXIT *name* COULD NOT BE FOUND**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator has been activated. The program *name* used for the logon could not be found. The name of the logon module is defined under the keyword Bnn_TCPIP_LOGON_EXIT[_app].

System Action:

The activation is continued. The BSA Communication Integrator does not check the logon.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

8516E SERVER(*port/app*): *request* ERROR OCCURRED, IPA: *ipa:cport*, RC: *rc* / *text***Written to:**

SYSLOG, JESMSG LG.

Explanation:

An error has occurred in the communication between BSA Communication Integrator (CI), the application port *port*, and the server port. *request* shows the function/task where the error occurred. *ipa:cport* shows the IP address of the requestor. *rc* is the return code (see "BSA CI and TCP/IP server codes" on page 479 or the IBM manual *System SSL Programming. text* gives a short hint on the error cause.

System Action:

The request has been canceled. BSA CI continues processing and is waiting for further requests.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate BSA CI.

8516I SERVER(*port/app*): LOGON USER EXIT *name* WILL BE USED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator was started. At the start, logon exit *name* was defined for the product. This exit is used for the product application at every logon. This also applies if the port is used a global port. In that case this exit is used for all the applications that log on via this port. The exit is implemented in the started task of the product concerned, and is not under the control of the started task of the BSA Communication Integrator.

System Action:

The BSA Communication Integrator started task continues processing.

Operator Response:

None.

8517I SERVER(*port/app*): *Bnn_app* COMPRESSION/ENCRYPTION - FEATURE IGNORED FOR SSL COMMUNICATION**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator was started. The port to be opened has been defined for SSL or SSLAUTH mode. In addition, compression and/or encryption have been define in the product application *Bnn_app*. However, compression and encryption are not used for SSL or SSLAUTH ports.

System Action:

The BSA Communication Integrator started task continues processing.

Operator Response:

None.

8517E SERVER(*port/app*): HANDSHAKE ERROR OCCURRED, IPA: *ipa*, RC: *rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

An SSL handshake error occurred while trying to establish a connection to BSA Communication Integrator (CI).

ipa shows the IP address of the requestor. *rc* is the return code (see "BSA CI and TCP/IP server codes" on page 479 or the IBM manual *System SSL Programming*. *text* gives a short hint on the error cause.

System Action:

The connection could not be established. BSA CI continues processing and is waiting for further requests.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate BSA CI.

8518E SERVER COMMUNICATION FROM OTHER ADDRESS SPACES TO BSA CI NOT POSSIBLE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

BSA Communication Integrator was started, but could not be handled from the BSA Service Manager. Before the BSA Service Manager commands can be used to display ports and carry out control functions via a product started task, a BSA Service Manager port must be defined in keyword BSA_TCPIP_BSM_PORT. This keyword could not be found, or it was not possible to open the port. It is not possible to control/display BSA CI from the product.

System Action:

The BSA CI started task continues processing.

Operator Response:

Define a usable BSM port and restart the BSA Communication Integrator started task.

8518I SERVER COMMUNICATION WITH OTHER ADDRESS SPACES ESTABLISHED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator was started. Before BSA Service Manager commands can be used to display ports and carry out control functions via a product started task, a BSA Service Manager port must be defined in keyword BSA_TCPIP_BSM_PORT. This keyword was found, and the appropriate port was opened. The BSA Communication Integrator can be controlled/displayed from the product. However, the same port BSA_TCPIP_BSM_PORT must also be defined in the product. This keyword can be temporarily inserted or modified via the BSA Service Manager during operation.

System Action:

The BSA Communication Integrator started task continues processing.

Operator Response:

None.

8525E SERVER(*port/app*): REQUEST REJECTED, COMMUNICATION WITH *ipa* NOT ALLOWED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

While working with the BSA Communication Integrator, a requestor tries to send outgoing messages via the service port which is connected to the port *port*.

The requestor with the IP address *ipa* does not have sufficient access rights for this action. The requestor must be entered in the keyword *Bnn_TCPIP_SERVICE_IPA[_app]*.

System Action:

The request has been rejected. However, the BSA Communication Integrator continues processing and is waiting for further requests.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

8525W SERVER(*0/app*): INVALID IP ADDRESS *ipa* UNDER KEYWORD *keyword***Written to:**

SYSLOG, JESMSG LG.

Explanation:

While activating the BSA Communication Integrator, an invalid IP address *ipa* defined under the keyword *keyword* has been detected. The IP address is used for checking outgoing messages.

System Action:

The activation continues. The keyword is ignored.

Operator Response:

Enter a valid IP address and retry to activate the BSA Communication Integrator.

8526E SERVER(*port/app*): INVALID APPLICATION *Bnn_app* - REQUEST HAS BEEN REJECTED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

While working with the BSA Communication Integrator, the system receives a request from the invalid product application *Bnn_app* via the port *port*.

Only applications which correspond to the port application *app* are processed via the port *port*.

System Action:

The request has been rejected. However, the BSA Communication Integrator continues processing and is waiting for further requests.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

8527E VALUE(*nnnnn*)IS INVALID OR MISSING IN KEYWORD *parameter***Written to:**

SYSLOG, JESMSG LG.

Explanation:

LST parameter BSA_TCPIP_MAXTHREADS contains an incorrect value or the value is missing.

System Action:

The keyword is ignored and the default (200) is set.

Operator Response:

Specify a correct *parameter* for maximum threads.

8528E TOO MANY PORTS FOR GLOBAL LIMIT OF THREADS - STC STOPPED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The global limit of threads as specified in the LST parameter BSA_TCPIP_MAXTHREADS is too low to be able to handle the number of ports in use.

System Action:

The BSA Communication Integrator stops.

Operator Response:

Either raise the global limit of threads, or reduce the number of ports. Reactivate the BSA Communication Integrator.

8530I SERVER(port/app): RECONNECT TO SSID *ssid* HAS BEEN REQUESTED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The connection between the BSA Communication Integrator and the subsystem *ssid* has been disrupted.

The BSA Communication Integrator received a request which was addressed to the subsystem *ssid*.

System Action:

The system tries to reestablish the connection to the subsystem *ssid* and tries to send a request to the subsystem.

Operator Response:

None.

8531E SERVER(port/app): RECONNECT TO SSID *ssid* REJECTED, RC: *rc***Written to:**

SYSLOG, JESMSGLG.

Explanation:

The connection between the BSA Communication Integrator and the subsystem *ssid* has been disrupted (see message 8530I) and could not be reestablished. *rc* is the return code (see message 8501I).

System Action:

The request could not be forwarded and is rejected with a return code. However, the BSA Communication Integrator continues processing and is waiting for further requests.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

8531I SERVER(*port/app*): RECONNECT TO SSID *ssid* SUCCESSFUL**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The communication between the BSA Communication Integrator and the subsystem *ssid* has been interrupted (see message 8530I) but could successfully be reestablished.

System Action:

The request in question is sent to the subsystem *ssid*.

Operator Response:

None.

8532I SERVER(*port/app/ipa*): *type* LOGON OF USER *userid* FROM *Bnn_app* TO *ssid* *result* (RC:*rc*/RSN:*rsnc*/STD-MODE)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

ipa is the TCP/IP address of the requestor. This can be the TCP/IP address of a server/router, or the direct TCP/IP address of the client. If the logon request includes a TCP/IP address for the client, this is the TCP/IP address that will be written here.

type displays the logon type used for the user:

CERT	A user certificate is available.
USER	A user ID is available.
LOGON EXIT	The logon exit determines the user ID.
IGN	A user ID is available but the logon check in the security system was not executed.

The user *userid* has tried to log on to the subsystem *ssid* via the product application *Bnn_app*.

result displays whether the logon was successful. *rc* is the return code and *rsnc* is the reason code. Normally, the codes are the ones of the security system in use. In addition to message 9285E, Beta-specific reason codes may appear (see "BSA CI and TCP/IP server codes" on page 479).

STD-MODE means that the logon was made using the runtime mode as defined for port number *port*.

System Action:

The system continues processing.

Operator Response:

Depending on the displayed return code or reason code, either no response, or analyze the error and correct it.

8532E SERVER(*port/app/ipa*): PLEASE INSTALL THE REQUIRED PTF TO SUPPORT BSA CI FOR PRODUCT BETAnn**Written to:**

SYSLOG, JESMSGLG.

Explanation:

An attempt to access product BETAnn was made from an application. However, the product started task does not have the required BSA maintenance level. In order to work with the product, you will need to install the BSA PTF package specified for BSA Communication Integrator in the release notes.

ipa is the TCP/IP address of the requestor. This can be the TCP/IP address of a server/router, or the direct TCP/IP address of the client. If the logon request includes a TCP/IP address for the client, this is the TCP/IP address that will be written here.

nn shows the product number.

System Action:

The BSA Communication Integrator started task continues processing.

Operator Response:

Apply the BSA PTF package in accordance with SMP/E and restart the product started task.

8532W SERVER(*port/app/ipa*): LOGON SECURITY VIA SUBSYSTEM *ssid* IS INVALID OR HAS NO FUNCTION**8532W SERVER(*port/app/ipa*): LOGON HAS BEEN REJECTED BY LOGON EXIT IN *ssid*****Written to:**

SYSLOG, JESMSGLG.

Explanation:

An attempt to log on to application *app* was made from *ipa* via port *port* to subsystem ID *ssid*. The logon security exit defined in the subsystem rejected the logon.

ipa is the TCP/IP address of the requestor. The message shows the direct TCP/IP address of the client if the client's TCP/IP address is included in the logon request. Otherwise the message shows the TCP/IP address of a server/router.

System Action:

It may be impossible to log on (depending on the application that has requested the logon).

Operator Response:

Identify and eliminate the error.

8533I SERVER(*port/app*): *Bnn_app* LOGOFF VIA PORT *port* FROM *ssid* FOR USERID *userid***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The user *userid* logged off from the subsystem *ssid* for the product application *Bnn_app* via the port *port*.

System Action:

The system continues processing.

Operator Response:

None.

8533E SERVER(*port/app/ipa*): INVALID LOGON REQUEST TO SERVICE PORT --> COMMAND REJECTED (RC:284)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

An attempt was made from the IP address *ipa* to log on to application *app* via port *port*. However, service ports and BSM ports cannot be used for logons.

ipa is the TCP/IP address of the requestor. This can be the TCP/IP address of a server/router, or the direct TCP/IP address of the client. If the logon request includes a TCP/IP address for the client, this is the TCP/IP address that will be written here.

System Action:

The logon is rejected.

Operator Response:

None.

8535E INVALID SECURITY ENVIRONMENT (SSID *ssid*) -> LOGON FAILED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A user has tried to log on to the subsystem *ssid*. The necessary security environment for checking the logon has not been installed. An installation error occurred.

System Action:

The logon is canceled. The BSA Communication Integrator continues processing and is waiting for the next request.

Operator Response:

Analyze the cause of the error, correct it. Otherwise please contact Beta Systems support (see "Calling for support" on page 498).

**8536E SERVER(*port/app*): PROTOCOL ERROR HAS OCCURRED IN *module* (IPA:
ipaddress)****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The protocol used for the communication (e.g. SSL) is determined when communication is established between a client and the BSA Communication Integrator. In this case, the BSA Communication Integrator has received a request which does not match the protocol in use. *module* displays the program in which the error was detected.

System Action:

The request is rejected. The BSA Communication Integrator continues processing and waits for the next request.

Operator Response:

Analyze the cause of the error, and correct it.

8537E REQUIRED CERTIFICATE MISSING**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The establishment of an SSL connection was attempted via the BSA Communication Integrator and a user tried to log into the system. The certificate necessary for the authentication of the user is not available.

System Action:

The connection is shut down and the logon is canceled. The BSA Communication Integrator continues processing and waits for the next request.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

8540E GLOBAL XCF TOKEN FOR MEMBER \$BETA#N#GLOBAL#nn COULD NOT BE [CREATED|SAVED] VIA COMMAND (RC:rc [/irc])

Written to:

Operator console, JESMSG LG.

Explanation:

The address space for the BSA XCF Global component was started. An attempt was made to establish an IXCJOIN to XCF/XES (CREATED), and if IXCJOIN is successful, the token is saved as a Name/Token pair (SAVED). One of the two actions was not successful. *rc* and *irc* supply the return and reason codes for IXCJOIN or for Callable Service IEANTCR. *nn* represents the sysclone name of the sysplex LPAR on which the address space was activated.

System Action:

The address space is shut down.

Operator Response:

Take action on the basis of the return and reason codes.

8540I GLOBAL XCF TOKEN (\$BETA#N#GLOBAL#nn/xcf-token) HAS BEEN [CREATED|DELETED] VIA COMMAND '*command*'

Written to:

Operator console, JESMSG LG.

Explanation:

The address space for the BSA XCF Global component was started. An IXCJOIN was successfully established to XCF/XES (CREATED), and the generated *xcf-token* saved as a Name/Token pair (SAVED). *command* indicates the command used to activate the address space. *nn* represents the sysclone name of the sysplex LPAR on which the address space was activated. DELETED is only written if the address space is re-initialized by the REFRESH command.

System Action:

The address space continues working normally.

Operator Response:

None.

8541I GLOBAL XCF CONNECT TO *ssid* VIA TOKEN *xcf-token* CAN BE USED**Written to:**

Operator console, JESMSG LG.

Explanation:

The address space for the BSA XCF Global component is active. The MODIFY command F *stcname*,SHOW was issued. All the subsystems *ssid* that can send data via token *xcf-token* are listed.

System Action:

The address space continues working normally.

Operator Response:

None.

8542I GLOBAL XCF CONNECT (\$BETA#N#GLOBL# / \$BETA#N#GLOBL#*nn* / *xcf-token*) CAN BE USED**Written to:**

Operator console, JESMSG LG.

Explanation:

The address space for the BSA XCF Global component is active. The MODIFY command F *stcname*,DISPLAY was issued. Output shows that the BSA XCF Global component works with the following:

Name: \$BETA#N#GLOBL#

XCF member: \$BETA#N#GLOBL#*nn*

XCF token: *xcf-token*

nn represents the sysclone name of the sysplex LPAR on which the address space was activated.

System Action:

The address space continues working normally.

Operator Response:

None.

8542E GLOBAL XCF CONNECT (\$BETA#N#GLOBL# / \$BETA#N#GLOBL#nn) COULD NOT BE USED (RC: *rc/irc*)**Written to:**

Operator console, JESMSG LG.

Explanation:

The address space for the BSA XCF Global component is active. The MODIFY command F *stcname*, DISPLAY was issued. The component with the name \$BETA#N#GLOBL# and XCF member \$BETA#N#GLOBL#*nn* cannot be used. The reason is indicated by the return code *rc* and the reason code *irc* of IXCQUERY or Callable Services IEANTRT. *nn* represents the sysclone name of the sysplex LPAR on which the address space was activated.

System Action:

The address space continues working normally.

Operator Response:

Take action on the basis of the return and reason codes.

8543W TO [STOP|REFRESH] THE GLOBAL XCF CONNECT VIA MEMBER \$BETA#N#GLOBL#nn, REPLY YES/NO:**Written to:**

Operator console, JESMSG LG.

Explanation:

The address space for the BSA XCF Global component is active. The operator modify command STOP or REFRESH was issued, or the operator command STOP to shut down the address space. If the address space is to be shut down, respond with YES. If you respond with NO, the command will be canceled and the address space continues working normally. *nn* represents the sysclone name of the sysplex LPAR on which the address space was activated.

System Action:

Depending on the response, the address space continues working or shuts down.

Operator Response:

Respond to the prompt as required.

**8543I TO [STOP|REFRESH] THE GLOBAL XCF CONNECT VIA MEMBER
\$BETA#N#GLOBL#nn HAS BEEN REJECTED****Written to:**

Operator console, JESMSGLG.

Explanation:

The address space for the BSA XCF Global component is active. The operator modify command STOP or REFRESH was issued, or the operator command STOP to shut down the address space. The response to message SFF8543W was NO. *nn* represents the sysclone name of the sysplex LPAR on which the address space was activated.

System Action:

The address space continues working normally.

Operator Response:

None.

8544I GLOBAL XCF ADDRESS SPACE (*name* / *asidx*) IS ALREADY ACTIVE**Written to:**

Operator console, JESMSGLG.

Explanation:

The address space for the BSA XCF Global connect was started, although this address space is already active. The address space can only be activated once. *name* indicates the name or STC procedure under which the address space is already active. *asidx* indicates the corresponding address space ID as a hexadecimal.

System Action:

The activation process is canceled.

Operator Response:

Check whether this reaction was correct.

**8545I SUBSYSTEM(*ssid*) HAS BEEN INITIALIZED WITH GLOBAL XCF TOKEN
*xcf-token*****Written to:**

Operator console, JESMSGLG.

Explanation:

The address space for the BSA XCF Global component is active. Subsystem *ssid* was initialized with the current XCF token *xcf-token* of the BSA XCF Global component. Specific product functions can now use this component to send data in a sysplex.

System Action:

The address space continues working normally.

Operator Response:

None.

8546I GLOBAL XCF ADDRESS SPACE(*name/ssid*) HAS BEEN STARTED (RC: *rc/irc*)**Written to:**

Operator console, JESMSG LG.

Explanation:

Parameter XCF_GBAS was set during the XCF-initialization of subsystem *ssid* using BST01ARI. However, the address space for the BSA XCF Global component was not active. Therefore a start command was generated to obtain the necessary address space. *name* shows the name of the address space. The return code *rc* and the reason code *irc* show the results of the initiated start command via macro ASCRE. Refer to ASCRE (IBM literature) for descriptions of *rc* and *irc*. As a rule, the results should be RC=0 with IRC=0. However, RC=0 with IRC=4 can also be expected. Make sure that the appropriate start procedure as specified in parameter XCF_GBAS is available. The message merely shows that the start procedure was initiated, but not whether the address space is really active.

System Action:

Initialization continues.

Operator Response:

Check whether the address space has really been started (see messages SFF8540I and SFF8541I).

8547I NO SUBSYSTEM TO USE THE GLOBAL XCF CONNECT COULD BE FOUND**Written to:**

Operator console, JESMSG LG.

Explanation:

The address space for the BSA XCF Global component is active. The MODIFY command F *stcname*, SHOW was issued. It was not possible to find subsystems that can use the BSA XCF Global component.

System Action:

The address space continues working normally.

Operator Response:

None.

8550E CLIENT(*port/app/ipa*): *Bnn_app* SESSION TIME LIMIT FOR USERID *userid* HAS BEEN REACHED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

User *userid* who logged on to the system via the BSA Communication Integrator has sent a request to the product application *Bnn_app*. The time limit for the user's activity has exceeded. The time limit is specified via the LST parameter *Bnn_TCPIP_SESS_TIME_LIMIT* (see "LST parameters for BSA CI" in *BSA Installation and System Guide*).

port Port number
app Application name (add-on)
ipa IP address of the user who initiated the request

System Action:

The request ends with an error code. The user must log onto product application *Bnn_app* again.

Operator Response:

None.

8551E CLIENT(*port/app/ipa*): INVALID APPLICATION *Bnn_app* - REQUEST HAS BEEN REJECTED (*id*)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The system has tried to send a request to a product application *Bnn_app* via a server port. However, the server port has not been allowed to access the application *Bnn_app*. See the *BSA Installation and System Guide* for more information.

port is the port number
app is the application
ipa is the IP address of the user/requestor
Bnn_app is the product application
id is the logical internal number of the message (used by Beta Systems support for problem analysis)

System Action:

The request is not executed.

Operator Response:

Identify and eliminate the cause of the error.

8552W CLIENT(*port/app/ipa*): *Bnn_app* INVALID TOKEN (*token*) DETECTED [DURING LOGOFF]**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A user has sent a request to the product application *Bnn_app* via a server port. The security token assigned to the request is not valid.

<i>port</i>	Port number
<i>app</i>	Application
<i>ipa</i>	IP address of the user/requestor
<i>Bnn_app</i>	Product application
<i>token</i>	Timestamp in the format <i>hhmmssff</i> , where <i>ff</i> stand for the hundredth fractions of a second

System Action:

The request ends with an error code. The user must log onto product application *Bnn_app* again.

Operator Response:

None.

8553E CLIENT(*port/app/ipa*): INTERNAL ERROR DETECTED - PORT TYPE NOT FOUND**Written to:**

Operator console, JESMSG LG.

Explanation:

The BSA Communication Integrator has received a request. An internal error has occurred while processing this request.

<i>port</i>	Port number
<i>app</i>	Product application
<i>ipa</i>	IP address of the user/requestor

System Action:

The request is not executed.

Operator Response:

Check which port is affected and correct the appropriate definitions. This error typically occurs when a global port is used, but the application is not permitted to use this port. If you cannot resolve this problem, please contact Beta Systems support (see "Calling for support" on page 498).

8570E SERVER(*port/app*): *request* ERROR OCCURRED, IPA: *ipa*, RC: *rc* / *text***Written to:**

SYSLOG, JESMSG LG.

Explanation:

During work with BSA Communication Integrator (CI), an error occurred on the application port *port*.

request displays the function or task where the error was found. *ipa* shows the IP address of the requestor. *rc* is the return code (see "BSA CI and TCP/IP server codes" on page 479 or the IBM manual *System SSL Programming*). *text* displays a short text on the error cause.

System Action:

The request is rejected. However, BSA CI continues working and is waiting for further requests.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate BSA CI.

8580E *request* ERROR, ERRNO: *errno* / *text***Written to:**

SYSLOG, JESMSG LG.

Explanation:

While working with the BSA Communication Integrator and using some TCP/IP functions, an error has occurred.

request displays the function or task where the error has been found. *errno* describes the return code (see the IBM manual *System SSL Programming* or *IP and SNA Codes*). *text* displays a short text on the error cause.

System Action:

The request is canceled. However, the BSA Communication Integrator continues working and is waiting for further requests.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

8581E NOT ENOUGH MEMORY, *number* BYTES NECESSARY**Written to:**

SYSLOG, JESMSG LG.

Explanation:

While activating or working with the BSA Communication Integrator, more storage is needed and requested. However, the available amount of storage is not sufficient. *number* displays the amount of the requested storage.

System Action:

The requested function has been canceled. However, the BSA Communication Integrator continues working but its functionality is restricted.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA Communication Integrator.

8582W MAXIMUM NUMBER (*nnnnn*) OF THREADS REACHED - WAITING FOR 5 SECONDS**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The maximum number of threads specified in BSA_TCPIP_MAXTHREADS has been exceeded. The BSA Communication Integrator cannot open another thread until an existing one has been closed.

System Action:

The BSA Communication Integrator waits 5 seconds and then tries again to open the thread. This message is written every 3 minutes.

Operator Response:

Check that the correct number of threads has been set in LST parameter BSA_TCPIP_MAXTHREADS.

8582I MAXIMUM NUMBER (*nnnnn*) OF THREADS - WORK CONTINUES**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The number of threads currently handled by the BSA Communication Integrator has now fallen below the maximum specified in BSA_TCPIP_MAXTHREADS.

System Action:

The BSA Communication Integrator resumes its task.

Operator Response:

None.

**8583W SERVER(*servername*): MAXIMUM NUMBER (*nnnnn*) OF THREADS for *app*
REACHED - WAITING FOR 5 SECONDS****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The maximum number of threads specified for the add-on as specified in *Bnn_TCPIP_MAXTHREADS_app* has been exceeded. The BSA Communication Integrator cannot open another thread until an existing one has been closed.

System Action:

The BSA Communication Integrator waits for 5 seconds and then tries again to open the thread. This message is written every 3 minutes.

Operator Response:

Check that the correct number of threads has been set in LST parameter *Bnn_TCPIP_MAXTHREADS_app*.

**8583I SERVER(*servername*): MAXIMUM NUMBER (*nnnnn*) OF THREADS FOR *app* -
WORK CONTINUES****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The number of threads for a Beta Systems product add-on has now fallen below the maximum specified in *Bnn_TCPIP_MAXTHREADS_app*.

System Action:

The BSA Communication Integrator resumes its task.

Operator Response:

None.

8584I COMMUNICATION INTEGRATOR THREAD LIST**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The number of threads for a Beta Systems product add-on has now fallen below the maximum specified in *Bnn_TCPIP_MAXTHREADS_app*.

System Action:

The BSA Communication Integrator resumes its task.

Operator Response:

None.

8585I GLOBAL LIMIT OF THREADS IS NOW IN EFFECT (NUMBER: *nnnnn*)

**8585I SERVER(*servername*): LIMIT OF THREADS FOR *app* IS NOW IN EFFECT
(NUMBER: *nnnnn*)**

Written to:

SYSLOG, JESMSG LG.

Explanation:

The maximum number of *nnnnn* threads specified by parameter BSA_TCPIP_MAXTHREADS in the LST member of the Parmlib is now in effect as the global limit for the number of threads handled by the BSA Communication Integrator.

The maximum number of *nnnnn* threads specified for add-on *app* in parameter BSA_TCPIP_MAXTHREADS_*app* is now in effect as the limit for the number of threads handled for the add-on by the BSA Communication Integrator.

System Action:

The system continues working.

Operator Response:

None.

**8586W SERVER(*servername*): GLOBAL LIMIT OF THREADS IS LESS THAN *app* LIMIT
OF THREADS - *nnnnn* WILL BE USED**

Written to:

SYSLOG, JESMSG LG.

Explanation:

The maximum number of threads specified for add-on *app* in parameter *Bnn*_TCPIP_MAXTHREADS_*app* is greater than the number of threads specified for the global limit in parameter BSA_TCPIP_MAXTHREADS.

System Action:

The value for *Bnn*_TCPIP_MAXTHREADS_*app* is reset to the number of threads specified for the global limit specified in parameter BSA_TCPIP_MAXTHREADS.

Operator Response:

None.

8587E ERROR ON ACCEPT OF PORT *port/errno/text***Written to:**

SYSLOG, JESMSG LG.

Explanation:

BSA Communication Integrator is waiting for requests for port *port*. A request was received, but an error occurred. The TCP/IP connection handling the port may have been recycled. *errno* and *text* describe the error in more detail.

System Action:

The request is canceled and BSA CI waits for a new request. Depending on the value specified for *Bnn_TCPIP_RETRY_INTERVAL*, a retry may be made to open the port.

Operator Response:

None.

8590E THREAD ABENDED WITH SIGNAL *return code***Written to:**

SYSLOG, JESMSG LG.

Explanation:

While working with BSA Communication Integrator (CI), a severe error has occurred.

The thread or task processing the current request abended with the displayed return code (see "BSA CI and TCP/IP server codes" on page 479 or the IBM manual for working with threads).

System Action:

The request has been canceled. However, BSA CI continues working and is waiting for further requests.

Operator Response:

Analyze the cause of the error and correct it. Otherwise send the dump to Beta Systems support (see "Calling for support" on page 498).

8591E SYSTEM SSL FUNCTION *request* ENDED, RC: *return code* / *text***Written to:**

SYSLOG, JESMSG LG.

Explanation:

While working with the BSA Communication Integrator and using some System SSL functions, an error has occurred.

request displays the function or task where the error has been found. *rc* is the return code (see the IBM manual *System SSL Programming*). *text* displays a short text on the error cause.

System Action:

The request has been rejected. However, the BSA CI continues working and is waiting for further requests.

Operator Response:

Analyze the cause of the error, correct it, and retry to activate the BSA CI.

8597I, 8598I, 8599I trace messages**Written to:**

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA Communication Integrator component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None or send the trace information to Beta Systems support (see "Calling for support" on page 498).

8700 - 8799 _beta smf and SMF writer messages

8700I BST16LGF (*version/ptf/date,time*) STARTED

Written to:

SYSLOG, JESMSG LG.

Explanation:

_beta smf has been started.

version shows the current version of _beta smf

ptf shows the ptf level

date shows the creation date of module BST16LGF

time shows the creation time of module BST16LGF

System Action:

_beta smf continues working.

Operator Response:

None.

8701I EXEC PARM NOT AVAILABLE OR EMPTY

Written to:

JESMSG LG or BSATRACE.

Explanation:

The EXEC parameter is not available.

System Action:

None.

Operator Response:

None.

8702E PONLOP NOT AVAILABLE

Written to:

JESMSG LG or BSATRACE.

Explanation:

The BQL database to be accessed during the startup of the program is not available.

System Action:

The program is not started.

Operator Response:

Check the job JCL. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8703I LICENSE CHECK ENDED WITH RC(*rc*)**Written to:**

JESMSG LG or BSATRACE.

Explanation:

The license check ended with RC=*rc*.

System Action:

The program continues processing if the license check has ended with RC=0.

Operator Response:

None if RC=0. Otherwise look up the meaning of the return code in "License check codes" on page 485.

8705I BETA LOG FORMATTER ENDED WITH RC(*rc*)**Written to:**

JESMSG LG or BSATRACE.

Explanation:

Program ended with RC=*rc*.

System Action:

None.

Operator Response:

Check the return code if it is not zero.

8706E DD CARD *ddname* MISSING**Written to:**

JESMSG LG or BSATRACE.

Explanation:

The JCL does not contain the reported DD card needed for the _beta smf.

System Action:

The program terminates.

Operator Response:

Change the job JCL. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8707E BQL ERROR OCCURRED: RC (*rc*) / IRC(*irc*)**Written to:**

JESMSGLG or BSATRACE.

Explanation:

A database error occurred. (Or the product subsystem is not available.)

System Action:

The program abended.

Operator Response:

Analyze the RC (*rc*) and IRC (*irc*) to find out what caused the error. For information on the meaning of *irc*, see "Database codes" on page 489. Make sure that the product started task is active. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

8709I RUNNING IN *mode***Written to:**

SYSLOG, JESMSGLG.

Explanation:

_beta smf has been started and it running in the mode indicated.

LICENSE MODE

_beta smf is running in license mode, in accordance with the specifications in the EXEC parm **P**, which has **L** at position **1**. All functions can be used.

CHECKING MODE

_beta smf is running in checking mode, in accordance with the specifications in the EXEC parm **P**, which has **C** at position **1**. _beta smf checks the syntactical correctness of the instructions in DD LGFCNTL, but does not process any SMF records.

DEMO MODE

_beta smf is running in demo mode, in accordance with the specifications in the EXEC parm **P**, which has **D** at position **1**. _beta smf will only process SMF records from TODAY 10:00:00.00 through TODAY 10:59:59.99.

DEMO MODE FORCED

_beta smf is running in demo mode because the specifications in the EXEC parm **P** are invalid. _beta smf will only process SMF records from TODAY 10:00:00.00 through TODAY 10:59:59.99.

System Action:

_beta smf continues working in the mode indicated.

Operator Response:

None.

8713I NO OUTPUT FOR LGF-LOG/COLL/SCAN AVAILABLE**Written to:**

SYSLOG, JESMSGLG.

Explanation:

_beta smf has found no data for output to DD LGFLOG, LGFCOLL and LGFSCAN.

System Action:

_beta smf terminates with the return code defined for "No data found" (+RC_NODATA=nn; default: 04).

Operator Response:

None if this is what you expect.

8714E LICENSE CHECK IMPOSSIBLE**Written to:**

SYSLOG, JESMSGLG.

Explanation:

_beta smf is unable to carry out a license check.

System Action:

_beta smf switches to checking mode. The job terminates with RC=16 if checking mode ends okay and with return code with RC=8 if checking mode finds errors.

Operator Response:

Check whether the JCL includes a DD LGFLICX statement.

8715E RFF-JOB NOT SUPPORTED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

_beta smf can not be started in an RFF environment.

System Action:

_beta smf terminates with RC=32.

Operator Response:

Modify the JCL to start BST16LGF as a standalone program.

8761W SMF TYPE NOT AVAILABLE OR WRONG, DEFAULT: *n*

Written to:

JESMSGLG.

Explanation:

No SMF record type number has been specified, or the specified number is invalid (LST parameter *Bnn_SMFTYPE*). *n* is the default record number defined for the product (for example, 192 for _beta log|z and 193 for _beta doc|z).

System Action:

When writing SMF records, the SMF writer module (BST16SMF) uses the default record type number.

Operator Response:

If this is not what you want, add or correct the LST parameter *Bnn_SMFTYPE*.

8762I PRODUCT PROCESS STATISTICS (*NONE* *requestor*)

8762I	PROCESS_TYPE	(STYPE)	PROCESS_COUNT
8762I	-----		
8762I	<i>process_1</i>	(<i>nn</i>):	<i>cnt</i>
8762I	<i>process_2</i>	(<i>nn</i>):	<i>cnt</i>
8762I	<i>process_3</i>	(<i>nn</i>):	<i>cnt</i>
8762I	...		
8762I	***TOTAL***	(##):	<i>cnt</i>
8762I	-----		

Written to:

JESMSGLG.

Explanation:

This messages is written upon receipt of the MODIFY command
F *stcname*,SMFSTAT PRC.

requestor indicates the origin of the request: *LOCAL* or *REMOTE*.

The table contains the current number *cnt* for each process (product-dependent). *nn* is the SMF record subtype number that corresponds to the process.

System Action:

Processing continues.

Operator Response:

None.

8764I SMF WRITER (BST16SMF, *ptflvl*, V7R1Mn, *date time*) IS WAITING FOR WORK**Written to:**

JESMSG LG.

Explanation:

This informational message of the SMF writer module (BST16SMF) is output during initialization of the SFF environment. It provides version information on BST16SMF.

System Action:

Processing continues.

Operator Response:

None.

8765I SMF WRITE TYPE *type* (V0) SUBTYPES: *subtype_info***Written to:**

JESMSG LG.

Explanation:

This informational message of the SMF writer module (BST16SMF) is output during the initialization of the SFF/RFF environment. *type* is the SMF record number (LST parameter *Bnn_SMFREC*).

In case of an SFF environment, *subtype_info* is the list of SMF record subtypes that are written by the system (*Bnn_SMFREC_SUBTYP_nn* = WRITE). The text DETERMINED BY STC is output in case of an RFF environment.

System Action:

Processing continues.

Operator Response:

None.

```

8766I SMF RECORD STATISTICS (nnnnnn requestor)
8766I TYPE SUBTYPE PROCESSES(TTL) RECORDS(STC) RECORDS(BAT) RECORDS(NWR)
8766I -----
8766I type  stype                n          n          n          n
8766I type  stype                n          n          n          n
8766I type  stype                n          n          n          n
8766I ...
8766I type  ##                    n          n          n          n
8766I -----
    
```

Written to:

JESMSG LG.

Explanation:

These messages are written:

- At program start during SFF/RFF initialization (without statistics)
- At program stop (with complete statistics)
- Upon receipt of the MODIFY command F *stcname*, SMFSTAT [*n*].

requestor indicates the origin of the request: *LOCAL* or *REMOTE*.

nnnnnn indicates the number of the request. It begins with 000000 at program start, and is incremented by 1 for each additional output request (MODIFY command or program stop). This counter reflects the number of subtype 59 records that have been written since program start. **NA** indicates that subtype 59 is not written.

The table contains the current values for each subtype (*nn*) and their totals (##):

PROCESSES(TTL)	Total number of processes
RECORDS(STC)	Records of the STC
RECORDS(BAT)	Records of batch utilites
RECORDS(NWR)	Suppressed records (NWR=NoWrite)

System Action:

Processing continues.

Operator Response:

None.

8767I ACTION	CPU_TOTAL	CPU_DELTA	SRB_TOTAL	SRB_DELTA	ZIIP_TOTAL	ZIIP_DELTA
8767I	-----+	-----+	-----+	-----+	-----+	-----+
8767I MAJOR	3.61	3.61	.24	.24	.00	.00
8767I MINOR	.00	.00	.00	.00	.00	.00
8767I	-----+	-----+	-----+	-----+	-----+	-----+

Written to:

JESMSGLG.

Explanation:

These messages are written:

- At program stop
- Upon receipt of the MODIFY command F *stcname*,SMFSTAT
- Upon receipt of the MODIFY command F *stcname*,SMFSTAT TAB(CPU)

CPU_XXXXX refers to general processor service time and ZIIP_XXXXX refers to normalized ZIIP service time.

System Action:

When these messages are written by the STC, MAJOR refers to the CPU usage of the SFF job (STC), and MINOR refers to the CPU usage of RFF jobs. TOTAL refers to the values since program start.

There are two separate points of reference for DELTA:

- DELTA since the last writing of the subtype 59 SMF record
This is indicated by the preceding message 8766D SMF RECORD STATISTICS (*nnnnnn* . . .), where *nnnnnn* is the number of the SMF record written since STC start.
- DELTA since the last statistics output without writing of the subtype 59 SMF record
This is indicated by the preceding message 8767D SMF RECORD STATISTICS (*NONE* . . .).

When these messages are written by an RFF job, MAJOR refers to the CPU usage of the RFF job, and there is no MINOR. DELTA values refer to the program start and are identical with TOTAL values.

Operator Response:

None.

8768E SERVICE GET SYSINFO FOR SMF, RC(rc)

8768E SERVICE GET_SVC FOR MF, RC(rc)

8768E SERVICE GET_WQEINFO FOR SMF, RC(rc)

Written to:

JESMSG LG.

Explanation:

The requested service is not available.

System Action:

SFF initialization terminates.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498). Include information on the return code and on the service that has failed in your problem report.

8769W UNKNOWN SMF SUBTYPE(n)

Written to:

JESMSG LG.

Explanation:

An invalid SMF subtype number was passed to the SMF writer module by a product.

System Action:

Processing continues. The request is ignored.

Operator Response:

Please inform Beta Systems support of the occurrence of this message.

8770W SMF STATISTICS FOR TABLE n IS EMPTY

8770W SMF STATISTICS FOR TABLE WITH NAME name NOT AVAILABLE

Written to:

JESMSG LG.

Explanation:

The MODIFY command F *stcname*,SMFSTAT TAB(*n*) or F *stcname*,SMFSTAT TAB(*name*) was received. No information is available for output.

System Action:

Processing continues.

Operator Response:

None or try the MODIFY command with a different name.

8770W SMF STATISTICS FOR TABLE *n* SET TO INACTIVE**Written to:**

JESMSG LG.

Explanation:

An invalid count request for a process information table has been received from the product. The table is set to inactive by the SMF writer module (BST16SMF).

System Action:

Processing continues. All further count requests for this table will be ignored.

Operator Response:

Please inform Beta Systems support. Provide version information on the product that caused the occurrence of this warning.

8770I SMF STATISTICS FOR TABLE *n* (*name*, *x*, *y*) IS ACTIVE**Written to:**

JESMSG LG.

Explanation:

This informational message is output by the SMF writer module (BST16SMF) when the first count request is received from a product for one of its process information tables. *n* refers to the number of the table (1..3) and *name* to its name. *x* and *y* are internal values, which refer to the size of the table.

System Action:

Processing continues.

Operator Response:

None.

```

8771I PROCESS STATISTICS TABLE n (name) (*NONE* requestor)
8771I PROCESS_NAME                PROCESS_COUNT
8771I -----
8771I process1                    cnt
8771I process2                    cnt
8771I ...
8771I *****                      cnt
8771I -----

```

Written to:

JESMSG LG.

Explanation:

These messages are written upon receipt of the MODIFY command
 F *stcname*,SMFSTAT TAB(*n*) or F *stcname*,SMFSTAT TAB(*name*).

requestor indicates the origin of the request: *LOCAL* or *REMOTE*.

The process information table contains the current count of each process.
 Process name ***** shows the number of processes that could not be
 assigned to any named process.

Process information tables are product-specific. Each product can define
 up to 3 tables.

System Action:

Processing continues.

Operator Response:

If the process name ***** shows *cnt* > 0, please contact Beta Systems
 support (see "Calling for support" on page 498).

Otherwise: None.

8999 OCF / TCP/IP trace messages

8999E/8999I/8999W trace message

Written to:

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA OCF TCP/IP component has been switched on. Trace messages can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None.

9000 - 9099 Base System Facility (BSF) messages

9000E *product* TRIAL VERSION LICENSE HAS EXPIRED ([*] ID = *installation ID* / REASON = *nnnn*)

Written to:

Operator console.

Explanation:

The message comes up when a Beta product started task has been activated. In addition, the message is automatically reoccurring at midnight or comes up at the time entered in the parameter *Bnn_LICX_CHECK_TIME*.

The license found is only a trial license whose validity has expired.

installation ID installation ID of the database:

ppp-xxxx-xxxx-xxxx-xxxx

(*ppp* - product *Bnn*, *xxxx* - for internal use)

Notes:

Optional output [*] occurs if the installation ID UNSPECIFIED is used for the license check instead of the given *installation ID*.

Reason codes are described in "License check codes" on page 485.

System Action:

The Beta program is terminated.

Operator Response:

Please contact Beta Systems order desk (OrderDesk@betasystems.com) for a valid license.

9000I *product* HAS BEEN INITIALIZED ([*] ID = *installation ID*)

Written to:

Operator console.

Explanation:

The product has been activated for the first time. During the startup process an installation ID is created. This ID is necessary for the creation of a valid license file at Beta sites.

installation ID installation ID of the database:

ppp-xxxx-xxxx-xxxx-xxxx

(*ppp* - product *Bnn*, *xxxx* - for internal use)

Note:

Optional output [*] occurs if the installation ID UNSPECIFIED is used for the license check instead of the given *installation ID*.

System Action:

The system is in operation.

Operator Response:

None.

9000W *product* IS TRIAL VERSION ([*] ID = *installation ID* /
REASON = *nnnn*) - LICENSE WILL EXPIRE ON *date*

Written to:

Operator console.

Explanation:

The message comes up when a Beta product started task has been activated. In addition, the message is automatically reoccurring at midnight or comes up at the time entered in the parameter *Bnn_LICX_CHECK_TIME*.

The license used is a limited-time trial license.

installation ID installation ID of the database:

ppp-xxxx-xxxx-xxxx-xxxx

(*ppp* - product *Bnn*, *xxxx* - for internal use)

Notes:

Optional output [*] occurs if the installation ID UNSPECIFIED is used for the license check instead of the given *installation ID*.

Reason codes are described in "License check codes" on page 485.

System Action:

The system is in operation.

Operator Response:

Please contact Beta Systems order desk (OrderDesk@betasystems.com) for a valid license.

9001E product NOT ACTIVE - 'reason text' ([*] ID = installation ID / REASON = nnnn)

Written to:

Operator console.

Explanation:

The message comes up when a Beta product started task has been activated. The message will automatically reoccur at midnight at the time that was specified using the LST parameter *Bnn_LICX_CHECK_TIME*.

The message indicates that some invalid license parameters have been detected. The reason code will provide more details regarding the cause of the error. For *reason text* one of the following may appear:

- INVALID HASHID OR LICENSE FILE
- INVALID INSTALLATION ID
- INVALID TERMINATION DATE
- INVALID START DATE
- LICENSE HAS EXPIRED
- INVALID NAME
- LICENSE FILE IS INVALID
- UNKNOWN REASON CODE

installation ID installation ID of the database:
ppp-xxxx-xxxx-xxxx-xxxx
(*ppp* - product *Bnn*, *xxxx* - for internal use)

Notes:

Optional output [*] occurs if the installation ID UNSPECIFIED is used for the license check instead of the given *installation ID*.

Reason codes are described in "License check codes" on page 485.

System Action:

The system has been terminated.

Operator Response:

If the license has expired or is otherwise invalid, please contact Beta Systems order desk (OrderDesk@betasystems.com) for a valid license.

9001I product LICENSE WILL EXPIRE ON *date* ([*] ID = *installation ID*)**Written to:**

Operator console.

Explanation:

The message comes up when a Beta product started task has been activated. In addition, the message is automatically reoccurring at midnight or comes up at the time entered in the parameter *Bnn_LICX_CHECK_TIME*.

The license in use will expire on the date displayed.

installation ID installation ID of the database:

ppp-xxxx-xxxx-xxxx-xxxx

(*ppp* - product *Bnn*, *xxxx* - for internal use)

Note:

Optional output [*] occurs if the installation ID UNSPECIFIED is used for the license check instead of the given *installation ID*.

System Action:

The system is in operation.

Operator Response:

None.

9001W product '*reason text*' ([*] ID = *installation ID* / REASON = *nnnn*)

Written to:

Operator console.

Explanation:

The message comes up when a Beta product started task has been activated. In addition, the message is automatically reoccurring at midnight or comes up at the time entered in the parameter *Bnn_LICX_CHECK_TIME*.

Certain relevant environment parameters have been detected which do not fully comply with the license terms or the license will soon expire. Refer to the reason code for more details regarding the discrepancies. The following reason texts may appear:

- LICENSE WILL EXPIRE ON *date*

The reason text comes up during the warning period.

- LICENSE WILL EXPIRE IN *n* DAYS

The reason text comes up during the tolerance or goodwill period. *n* shows the number of days when your product license will expire. The value can also be negative if your license has expired but the license agreements contained in your LICX file allow that you can still use the product.

installation ID installation ID of the database:
ppp-xxxx-xxxx-xxxx-xxxx
(*ppp* - product *Bnn*, *xxxx* - for internal use)

Notes:

Optional output [*] occurs if the installation ID UNSPECIFIED is used for the license check instead of the given *installation ID*.

Reason codes are described in "License check codes" on page 485.

System Action:

The system is in operation.

Operator Response:

Please contact Beta Systems order desk (OrderDesk@betasystems.com) for a valid license before your current license becomes invalid.

9002E *addon* NOT ACTIVE - '*reason text*' ([*] ID = *installation ID* / REASON = *nnnn*)

Written to:

Operator console.

Explanation:

The message comes up when a Beta product started task has been activated. In addition, the message is automatically reoccurring at midnight or comes up at the time entered in the parameter *Bnn_LICX_CHECK_TIME*.

Invalid license parameters have been detected.

Refer to the reason code for more details regarding the causes. The following reason texts may appear:

- INVALID NAME
- ADDON NOT FOUND
- INVALID ADDON LICENSE DATE
- ADDON LICENSE HAS EXPIRED
- UNKNOWN REASON CODE

installation ID installation ID of the database:
ppp-xxxx-xxxx-xxxx-xxxx
(*ppp* - product *Bnn*, *xxxx* - for internal use)

Notes:

Optional output [*] occurs if the installation ID UNSPECIFIED is used for the license check instead of the given *installation ID*.

Reason codes are described in "License check codes" on page 485.

System Action:

The product add-on does not function. If your basic product license is still valid the system will continue operating.

Operator Response:

Please contact Beta Systems order desk (OrderDesk@betasystems.com) to obtain a valid license.

9002I addon LICENSE WILL EXPIRE ON *date* ([*] ID = *installation ID*)**Written to:**

Operator console.

Explanation:

A product add-on has been activated. The license will expire on the date displayed.

installation ID installation ID of the database:
ppp-xxxx-xxxx-xxxx-xxxx
(*ppp* - product *Bnn*, *xxxx* - for internal use)

Note:

Optional output [*] occurs if the installation ID UNSPECIFIED is used for the license check instead of the given *installation ID*.

System Action:

The system and the add-on are in operation.

Operator Response:

None.

**9002W addon IS TRIAL VERSION ([*] ID = *installation ID* / REASON = 0) -
LICENSE WILL EXPIRE ON *date*****Written to:**

Operator console.

Explanation:

The message comes up when a Beta product started task has been activated. In addition, the message is automatically reoccurring at midnight or comes up at the time entered in the parameter *Bnn_LICX_CHECK_TIME*.

The license found is only a trial license with a limited validity time.

installation ID installation ID of the database:
ppp-xxxx-xxxx-xxxx-xxxx
(*ppp* - product *Bnn*, *xxxx* - for internal use)

The date issued is the date of the base license.

Note:

Optional output [*] occurs if the installation ID UNSPECIFIED is used for the license check instead of the given *installation ID*.

System Action:

The system and the add-on are in operation.

Operator Response:

Please contact Beta Systems order desk (OrderDesk@betasystems.com) for a valid license.

**9003E USER LOGON *userid* VIA *addon* TO SUBSYSTEM *ssid* HAS BEEN REJECTED,
NUMBER OF USERS=*n*****Written to:**

Operator console.

Explanation:

The user *userid* has tried to log onto the system *ssid* via the online access program *addon*. The database of the subsystem is implemented to limit a maximum of *n* users to use the database at one time. The maximum number of users allowed to work at one time has been reached.

System Action:

The user *userid* is denied access to the database. A new user cannot access the database until another user logs off.

Operator Response:

Check whether the number of users allowed to use the database at one time is sufficient. If you wish to increase the maximum number of users, please contact Beta Systems support (see "Calling for support" on page 498).

9003W *addon 'reason text' ([*] ID = installation ID / REASON = nnnn)*

Written to:

Operator console.

Explanation:

The message comes up when a Beta product started task has been activated. In addition, the message is automatically reoccurring at midnight or comes up at the time entered in the parameter *Bnn_LICX_CHECK_TIME*.

Invalid license parameters have been detected or the license will soon expire. The reason text and reason code provide additional information regarding the causes.

This reason text shows up during the warning period:

LICENSE WILL EXPIRE ON *date*

This reason text shows up during the tolerance or goodwill period:

LICENSE WILL EXPIRE IN *n* DAYS

n is the number of days after which your product license will expire. The value can also be negative if your license has expired but the license agreements contained in your LICX file allow that you can still use the product.

installation ID installation ID of the database:

ppp-xxxx-xxxx-xxxx-xxxx

(*ppp* - product *Bnn*, *xxxx* - for internal use)

Notes:

Optional output [*] occurs if the installation ID UNSPECIFIED is used for the license check instead of the given *installation ID*.

Reason codes are described in "License check codes" on page 485.

System Action:

The product add-on is in operation.

Operator Response:

Please contact Beta Systems order desk (OrderDesk@betasystems.com) for a valid license before your current license becomes invalid.

9004E INVALID LICENSE RETURN CODE HAS OCCURRED: *rc***Written to:**

Operator console.

Explanation:

The product has been activated and the license checked. Invalid information has been detected.

Reason codes are described in "License check codes" on page 485.

System Action:

The system has been terminated.

Operator Response:

Please contact Beta Systems order desk (OrderDesk@betasystems.com) to obtain a valid license.

9004I *prodname* HAS BEEN LICENSED FOR CUSTOMER: *customer***Written to:**

SYSLOG, JESMSGLG.

Explanation:

The product has been started. The license file is read and the name of the customer for whom the license file was created is shown. *prodname* (**Bnn** or **Bnn.xx**) is the short name of the installation product and *customer* is the customer name from the license file.

System Action:

The product continues working.

Operator Response:

None.

9005E LICENSE FILE COULD NOT BE [FOUND | READ | FOUND ON VOLUME]**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The product has been activated and the license checked. The necessary license file could not be read or found. The license file has been entered in the DD statement *BnnLICX* of the started task/master batch job or in the LST parameter *Bnn_LICX_DSNAME*. If both are coded, DD *BnnLICX* has precedence over *Bnn_LICX_DSNAME*. For more information, see *BSA Installation and System Guide*.

System Action:

The system is terminated.

Operator Response:

Determine the reason for the error and eliminate it. Check, for example, whether the license file in use exists, has been cataloged, and has not yet been archived.

9005I LICENSE FILE *name* WILL BE USED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been activated and the license terms are now being checked. *name* is the name of the license file that is being used.

System Action:

The license is checked. If the check is successful, the product activation process continues. If not, product activation is stopped and return code 16 is issued along with the reason for the license violation.

Operator Response:

None.

9005W SERVER NAME IS NOT AVAILABLE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been activated and the license checked. The license type found is a server license. The server name as well as other license parameters could not be found. The server name is determined from the TCP/IP stack in the server system.

System Action:

The system is checking for the license. If the license is valid, the product will be activated or will stay active.

Operator Response:

Determine the reason for the error and eliminate it.

9006I LICENSED CPU TYPES: *cputype***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been started. On the basis of the data in the license file for a MIPS license, this message shows which CPUs can use the license. *cputype* shows the values in the license file.

System Action:

The product continues working.

Operator Response:

None.

9006E LICENSE FILE NOT CATALOGED (*return code*), DSNAME: *dsname***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been activated and the license checked. The necessary license file has not been cataloged. The license file *dsname* has been entered in the DD statement *BnnLICX* of the started task/master batch job or in the LST parameter *Bnn_LICX_DSNAME*. If both are coded, DD *BnnLICX* has precedence over *Bnn_LICX_DSNAME*. For more information, see the *BSA Installation and System Guide*. The return code is the return code of the catalog check routine.

System Action:

The system is terminated.

Operator Response:

Determine the reason for the error and eliminate it. Check whether the license file in use has been entered in the catalog. If not, catalog your license file.

9007E LICENSE FILE HAS INVALID DSORG TYPE (*dsorg*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been activated and the license checked. The entry for the license file in the DD statement *BnnLICX* of the started task/master batch job or in the LST parameter *Bnn_LICX_DSNAME* is invalid. Either the license file has been entered as a member of a PS library and the library is a PO library or the license file has not been entered as a library member. For more information see the *BSA Installation and System Guide*.

System Action:

The system is terminated.

Operator Response:

Determine the reason for the error and eliminate it.

9007I LICENSE WAS GENERATED ON: *date / time***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been activated and the license terms are now being checked. This message shows the date and time on which the license was generated.

System Action:

The license is checked. If the check is successful, the product activation process continues. If not, product activation is stopped and return code 16 is issued along with the reason for the license violation.

Operator Response:

None.

9008E LICENSE FILE DSORG TYPE MUST BE PS OR PO**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been activated and the license checked. The necessary license file contains an invalid file attribute (*dsorg*). The license file must be entered into a DSORG-type PO or PS library. The license file has been entered under the DD statement *BnnLICX* of the started task/master batch job or in the LST parameter *Bnn_LICX_DSNAME*. If both are coded, DD *BnnLICX* has precedence over *Bnn_LICX_DSNAME*. For more information, see *BSA Installation and System Guide*.

System Action:

The system is terminated.

Operator Response:

Determine the reason for the error and eliminate it.

9008I BETAnn LICENSE PRODUCT NAME: *prodname***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been started and the license terms have been read. *prodname* is the full name of the installation product.

System Action:

The license is checked. If the check is successful, the product activation process continues. If not, product activation is stopped and RC=16 is issued along with the reason for the license violation.

Operator Response:

None.

9009E LICENSE MEMBER *name* NOT FOUND**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been activated and the license checked. The necessary license file has been defined as a member of a PO library, but the member name could not be found in this library. The license file has been entered under the DD statement *BnnLICX* of the started task/master batch job or in the LST parameter *Bnn_LICX_DSNAME*. If both are coded, DD *BnnLICX* has precedence over *Bnn_LICX_DSNAME*. For more information, see *BSA Installation and System Guide*.

System Action:

The system is terminated.

Operator Response:

Determine the reason for the error and eliminate it.

9009I USED LICENSE ORDER '*id1*[/*id2*]' - '*instid1*[/*instid2*]'**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been activated and the license terms have been checked. The main search criteria that were used to find the appropriate license entry are included in the message. *id1* and *id2* indicate the product identifier, and *instid1* and *instid2* indicate the installation ID. The last value for the product identifier and the last value for the installation ID are used to find the correct license entry. For example:

```
9009I USED LICENSE ORDER 'B88.G6 ' - 'B88-xxxx-xxxx-xxxx-xxxx /  
UNSPECIFIED'
```

Here, B88 is used as the product identifier and UNSPECIFIED is used as the installation ID.

System Action:

The license is checked. If the check is successful, the product activation process continues. If not, product activation is stopped and RC=16 is issued along with the reason for the license violation.

Operator Response:

None.

9010E LICENSE FILE ALLOCATION ERROR (RC = *rc*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been activated and the license checked. The license file has been entered in the LST parameter *Bnn_LICX_DSNAME*. Dynamic allocation of the file was not possible. *rc* is the IBM return code. See the IBM literature for more information.

System Action:

The system is terminated.

Operator Response:

Determine the reason for the error and eliminate it.

9010I REFRESH OF SECURITY TABLE HAS BEEN INITIATED**9010I REFRESH OF SECURITY TABLE FOR USER *userid* HAS BEEN INITIATED****Written to:**

Operator console.

Explanation:

This message acknowledges the receipt of the console command that initiates the refreshing of the internally-used security table.

F *stcname*,REFR RCF

The message includes **FOR USER *userid*** when the command is entered to refresh the security table for an individual user:

F *stcname*,REFR RCF,U=*userid*

System Action:

The entries of all users currently present in the security table are flagged accordingly. If a user ID is specified, only the entry of this user is flagged. When the next security check is carried out for an affected user, the security table entry of this user is refreshed first to ensure that the current access rights are used (see message 9011I).

Operator Response:

None.

9011I REFRESH OF SECURITY TABLE FOR USER *userid* WAS SUCCESSFUL EXECUTED**Written to:**

Operator console.

Explanation:

A security check has been carried out for the specified user which required the prior refreshing of the security table for this user.

The user's entry in the security table entry was refreshed because it was flagged accordingly when the console command `F stcname,REFR RCF` or `F stcname,REFR RCF,U=userid` was submitted at a previous point in time (see message 9010I).

System Action:

The security table for the specified user was refreshed before carrying out the security check. The current and all future security checks for this user use the updated information in the security table.

Operator Response:

None.

9011E SUBSYSTEM *ssid* IS ACTIVE - START OF RFF-MASTER NOT POSSIBLE**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The batch job has been activated as a database master (EXEC parameter SIGNON=NO). The subsystem ID *ssid* entered has already been activated (as a started task or also as a master batch job).

System Action:

The batch job is terminated.

Operator Response:

Stop the started task of the subsystem *ssid* and restart the batch job.

9012E FUNCTION IS NOT POSSIBLE - DISPOSITION OLD OF SYNCFILE IS REQUIRED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

A batch job for clearing of a database SYNC file (program BST05SYC) has been activated. For resource security reasons the disposition of the SYNC file must be OLD in the JCL of the batch job.

System Action:

The batch job is terminated.

Operator Response:

Enter DISP=OLD in the JCL of the batch job.

9014E LICENSE CHECK COMMAND IS INVALID OR HAS BEEN ABORTED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A license check for a product or add-on was attempted. The check command was either in error or the data for the license check could not be accessed.

System Action:

The license check is rejected with RC=16. The requestor reacts to this accordingly. As a rule, it will not be possible to work with the product or add-on.

Operator Response:

Identify and eliminate the error source.

9015E BST00USC COULD NOT OBTAIN SUFFICIENT STORAGE FOR THE USER EXTENSION TABLE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A user has tried to log onto a product. In so doing, the user is recorded in a user table. The storage for extending the table is insufficient.

System Action:

No entry has been made in the user table. The system is in operation.

Operator Response:

Increase storage capacities, e.g. expand the region used for the started task.

9016E LICENSE FILE CHECK TIME IS INVALID**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been started. The value entered for the parameter Bnn_LICX_CHECK_TIME is invalid.

System Action:

The product is started. A default value is used for the parameter.

Operator Response:

Correct the value. For detailed information see the *BSA Installation and System Guide*.

**9018E BETA *Bnn.Gn* LICENSE COULD BE INVALID OR BE INCOMPLETE -
CHECK-RC: *rc*****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The license check at product start could not be carried out. This message typically occurs when a slave STC or an RFF slave job has been started, but the corresponding master STC is not active. Other possible reasons are indicated by return code *rc* (see "License check codes" on page 485).

System Action:

The product is not started.

Operator Response:

Determine the reason for the error, eliminate it, and restart the X-System Router. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9020I SMI CONNECTION TO *ssid* ESTABLISHED**Written to:**

Operator console.

Explanation:

SMI stands for System Management Integrator. This message comes up when the LST parameter MSG_ROUTE_TO=*ssid* has been coded to activate message routing and a connection to the *_beta* access monitor subsystem *ssid* has been successfully established.

System Action:

The messages that pass the filters set in *_beta* access monitor are routed to the *_beta* access monitor subsystem *ssid*.

Operator Response:

None.

9021E SMI CONNECTION TO *ssid* FAILED**Written to:**

Operator console.

Explanation:

SMI stands for System Management Integrator. This message comes up when the LST parameter MSG_ROUTE_TO=*ssid* has been coded to activate message routing, but a connection to the *_beta* access monitor subsystem *ssid* could not be established. The subsystem ID specified in the LST parameter is either invalid or inactive.

System Action:

The *_beta* access monitor subsystem *ssid* receives no messages. No messages are routed, i.e. passed on to the *_beta* access monitor subsystem *ssid*.

Operator Response:

Check whether the *_beta* access monitor subsystem *ssid* is active. If necessary, activate the subsystem or notify your system administrator.

9030E LOAD / LINK FAILED FOR MODULE ASASYMBM, RESULTS IN RC 24**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The SYSVAR support for substituting system variables has been activated and variables are to be substituted. The IBM API module ASASYMBM necessary for the substitution could not be loaded or found.

System Action:

The system could not substitute any system variables. Unpredictable system errors may occur.

Operator Response:

Determine the reason for the error and eliminate it.

9033E SERVICE *name* NOT EXECUTED - REASON: *reason***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The *service name* for substituting a static system symbol within the value of a keyword or dataset name could not be executed. *reason* gives the exact cause. See the IBM manuals for more information on the *reason* and the *service name*.

System Action:

The substitution is not carried out. The system continues to operate with the non-substituted value.

Operator Response:

Inform your system administrator to eliminate the cause.

9040E IO-SYNAD HAS BEEN CALLED [AFTER EOF]**Written to:**

SYSLOG, JESMSGLG.

Explanation:

An error occurred during an I/O operation. The defined SYNAD routine has been called up to determine the type of error.

System Action:

The system is in operation despite having recognized the error. In addition, message 9041E will be displayed.

Operator Response:

Determine the reason for the error and eliminate it.

9041E *job name, step name, device number, device type, DD name, operation attempted, error description, block information, access method***Written to:**

SYSLOG, JESMSGLG.

Explanation:

This message can follow message 9040E. The information displayed is caused by the macro SYNADAF.

System Action:

The system is in operation though it has recognized the error.

Operator Response:

Determine the reason for the error and eliminate it.

9042E LOGON FOR USER AUTHORIZATION DURING OPEN FAILED (RC: *rc*)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

While a job was being submitted from a Beta STC, for example, an attempt was made to submit it with the RACF rights of the submitting user. This caused the error defined by the *rc* specified in the message. As a rule, this is an authorization problem.

System Action:

The request (for example, submit job) is not executed, the started task continues working.

Operator Response:

Refer to the product documentation (e.g. *BSA VAF/CAF/IAF Installation and System Guide*) that applies to the function concerned (for example, submitting jobs), and eliminate the error indicated by the return code (see "Database codes" on page 489).

9043E SETTING OF USER AUTHORIZATION FAILED (RC: rc)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

While a job was being submitted from a Beta STC, for example, an attempt was made to submit it with the RACF rights of the submitting user. This caused the error defined by the *rc* specified in the message. This is often the result of using an incorrect product version or BSA version.

System Action:

The request (for example, submit job) is not executed, the started task continues working.

Operator Response:

Refer to the product documentation (for example, *_beta vaf/caf/iaf Installation and System Guide*) that applies to the function concerned (for example, submitting jobs), and eliminate the error indicated by the return code (see "Database codes" on page 489).

9050E BST00USC ABENDED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A user or agent has tried to connect to/disconnect from a product. During the process a severe error occurred.

System Action:

The connect/disconnect has not been executed. The system is in operation.

Operator Response:

Determine the reason for the error and eliminate it.

9090I/9091I/9092I/9093I/9094I/9095I/ trace messages**9090W trace messages****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The trace functionality of the BSA SFF component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None.

9096I/9097I/9098I/9099I trace messages

9096W/9097W/9098W/9099W trace messages

9096E/9097E/9098E/9099E trace messages

Written to:

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA BSF component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None.

9099I RACF-RESULT: USER: *userid* SAF-RC: *rc* SAF-IRC: *irc* RC: *rc*

Written to:

Operator console, SYSLOG.

Explanation:

RACF checks are being traced because the LST parameter BSA_TRACE_SEC has been set to YES or ALL. This message is output when a RACF request is carried out in the address space of the STC and the security router UXSRT is called by the online application.

System Action:

The request is executed.

Operator Response:

None.

9100 - 9199 Subsystem Function Facility (SFF) messages

9100E PROGRAM *pgmname* DOES NOT COME FROM AN AUTHORIZED LIBRARY

9100E NON-APF LIBRARY: *Library*

...

9100E NON-APF LIBRARY: *Library*

Written to:

Operator console.

Explanation:

The program *pgmname* must come from an APF-authorized library, link-edited with AC(1).

The names of the non-authorized libraries are output (max. 30) to facilitate the analysis of the problem.

System Action:

The program terminates with RC=16.

Operator Response:

Link-edit or copy the program to an appropriate library.

9100I SVC *SVC number* SUCCESSFULLY REPLACED | DELETED AT *address*

Written to:

Operator console.

Explanation:

The Beta SVC has been dynamically updated. During the process the SVC with the number *SVC number* has been replaced or deleted. *address* shows the main storage address where the SVC module with the number *SVC number* is located.

System Action:

The SVC has been updated.

Operator Response:

None.

9101E ESTAE IN *module* COULD NOT BE SET PROPERLY

Written to:

Operator console, JESMSGLG.

Explanation:

The z/OS ESTAE macro in module *module* failed.

System Action:

The program terminates with RC=16.

Operator Response:

Retry the process. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9102E SUBSYSTEM ID OR SSCA NOT FOUND**Written to:**

Operator console.

Explanation:

BST01ARI checks for the presence of the specified subsystem ID in the SSCT chain. The presence of the Beta-internal SSCA control block that belongs to this subsystem is also checked. One or both are missing.

System Action:

BST01ARI terminates with RC=16.

Operator Response:

Use the operator console command `D SSI, SUB=ssid` to verify that the subsystem has been defined to z/OS.

If yes, run BST01ARI (for example, via job) to create the Beta-internal SSCA control block for this subsystem.

If no, define the subsystem via the SETSSI command and then run BST01ARI. Also check and if necessary add an appropriate entry in the IEFSSNxx member to ensure that the subsystem is defined and initialized automatically at the next IPL.

9102I NTK *token* WAS *status* DELETED - RC=*rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The initialization of the subsystem (outside IPL and the operator command SETSSI) has been started. An attempt was made to delete an existing invalid token from an earlier initialization. Or an attempt was made to delete a token for the subsystem ID via the command parm DELTOK. *status* can be NOT and *rc* is the return code of deletion attempt.

System Action:

The system continues processing.

Operator Response:

Analyze the problem with the help of the return code *rc* and the information in the *BSA Installation and System Guide* and eliminate it. If the problem persists, please contact Beta Systems support (see "Calling for support" on page 498).

9103E NO INPUT PARAMETER SPECIFIED**Written to:**

Operator console.

Explanation:

The EXEC parameter for the program BST01ARI requires at least the subsystem ID.

System Action:

The program terminates with RC=16.

Operator Response:

Insert an appropriate 'PARM=' on the EXEC statement.

9103I NTK *token* WAS CREATED DURING IPL/SETSSI - RC=*rc***Written to:**

SYSLOG, JESMSGLG.

Explanation:

The initialization of the subsystem (during IPL or via the operator command SETSSI) has been started. The token required for initialization to continue has been generated.

token Unique token that has been generated for this subsystem during its initialization

rc Return code of token generation

System Action:

The initialization continues.

Operator Response:

None.

9103E INVALID SVC NUMBER OR NOT A BETA SVC**Written to:**

Operator console.

Explanation:

One of the following problems was detected while executing a function of the SVCUPDTE for the Beta SVC:

- The specified SVC number is invalid.
- The SVC is not a valid Beta SVC.

System Action:

The function is not executed and terminates with RC=16.

Operator Response:

Correct the error and rerun the function.

9104E DYNAMIC ALLOCATION ERROR**Written to:**

Operator console.

Explanation:

The dataset containing the parameter member could not be allocated. See also the accompanying z/OS messages for more information.

System Action:

The program terminates with RC=16.

Operator Response:

Correct the parameter and retry the process.

9104I SSID *ssid* IS NOW USEABLE AGAIN WITH SVC *nnn***Written to:**

Operator console, SYSLOG, JESMSGGLG.

Explanation:

When program BST01MST deletes a Beta SVC, it checks whether this SVC is used by any Beta subsystems and marks affected subsystems as unuseable. This informational message is output when BST01MST reloads an SVC that makes a subsystem useable again.

System Action:

The subsystem with the ID *ssid* can be used again.

Operator Response:

None.

9105A DO YOU WANT THE SUBSYSTEM '*ssid*' TO SIGN AS 'NOT ACCESSIBLE' FOR BETA? , REPLY YES/NO**Written to:**

Operator console.

Explanation:

This message comes up when the keyword CHECK_SSCT_CHAIN=YES[,NOACCESS] has been entered and a subsystem ID which has been initialized for a Beta product is found and contains invalid storage addresses. This message is preceded by message 9105E.

ssid Subsystem ID where the error occurred

System Action:

The system is waiting for a response (YES or NO).

Operator Response:

- | | |
|-----|--|
| YES | The subsystem ID <i>ssid</i> will be removed from the search list for Beta subsystem IDs by overwriting the character string Beta in the SSCT's user field of the subsystem ID <i>ssid</i> . If this has been done successfully, message 9106I will come up. The system will start normally. |
| NO | The subsystem ID <i>ssid</i> will not be removed from the search list for Beta subsystem IDs. The system will end with RC=24. |

**9105E SSCT-ENTRY (*addr*) OF SUBSYSTEM '*ssid*' CONTAINS INVALID VALUES
(*v1/v2/v3*)****Written to:**

Operator console.

Explanation:

This message comes up when the keyword CHECK_SSCT_CHAIN=YES has been entered and a subsystem ID which has been initialized for a Beta product is found and contains invalid storage addresses.

This message will also come up when the keyword CHECK_SSCT_CHAIN=YES has not been entered but invalid storage addresses were found while starting the system.

addr SSCT (Subsystem Control Table) address of the operating system where the invalid addresses had been found

ssid Subsystem ID where the error occurred

v1 Contains the fixed value **Beta**

v2 Address of the Beta SSVT

v3 Address of the Beta SSCA

System Action:

The system ends with RC=24.

Operator Response:

Try to find out the reason. If necessary, restart the STC by using the keyword CHECK_SSCT_CHAIN=YES[,NOACCESS].

**9105I SSCT-ENTRY (*addr*) OF SUBSYSTEM '*ssid*' POINTS NOT TO A BETA
VERSION 3 SUBSYSTEM****Written to:**

SYSLOG, JESMSGLG.

Explanation:

This message comes up when the keyword CHECK_SSCT_CHAIN=YES has been entered and a subsystem ID has been found. This subsystem ID has been initialized for a Beta product but not for a version 4 system.

addr address of the SSCT (Subsystem Control Table) of the operating system where the subsystem ID had been found

ssid subsystem ID which is not a version 3 subsystem ID

System Action:

The system continues processing.

Operator Response:

None. If necessary, inform your system administrator.

9105W SUBSYSTEM NOT DORMANT**Written to:**

Operator console.

Explanation:

The subsystem ID which is to be initialized is currently in use.

System Action:

The program terminates with RC=16.

Operator Response:

Stop the started task.

9106E LOAD/LINK FAILED FOR MODULE *module name* RESULTS IN U910**Written to:**

Operator console.

Explanation:

An error occurred when loading the module *module name*. The module could not be loaded.

System Action:

The program terminated with the user abend code U910. The started task and/or batch job is terminated.

Operator Response:

Make sure that the module *module name* has been correctly entered and exists in an authorized library. Then restart the started task or batch job.

9106W LOAD FAILED FOR *key* SUPPORT MODULE (*modulename*) LENGTH(*length*)**Written to:**

Operator console.

Explanation:

The module *modulename* could not be loaded for the keyword *key*.

System Action:

The module is skipped and processing continues with the other specified modules. Finally, the program terminates with RC=4.

Operator Response:

Make sure that the module *modulename* is correct and that it exists in an authorized library, then retry the process.

9106I THE SUBSYSTEM '*ssid*' IS NOW NO LONGER A BETA SUBSYSTEM**Written to:**

Operator console.

Explanation:

Message 9105A has been answered with YES and the process started by this has been successfully completed.

System Action:

The system continues processing.

Operator Response:

None.

9107E SVCUPDTE FAILED FOR SVC *svcnum*, THE BETA-SSID (*ssid, stcname*) IS STILL ACTIVE**Written to:**

Operator console.

Explanation:

The dynamic update of the Beta SVC *svcnum* could not be executed. The active SVC with number *svcnum* is still being used by subsystem ID *ssid* with started task name *stcname*.

System Action:

The SVC update is not executed.

Operator Response:

Stop the started task *stcname* with subsystem ID *ssid* and run the SVC update job again.

9107W BLDL FAILED FOR *key* SUPPORT MODULE (*modulename*) RC(*rc*)**Written to:**

Operator console.

Explanation:

The BLDL macro failed with return code *rc*.

System Action:

The module is skipped and processing continues with the other specified modules. Finally, the program terminates with RC=4.

Operator Response:

Make sure that the module *modulename* is correct and that it exists in an authorized library, then retry the process.

9107I NEW SSCA HAS BEEN CREATED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The initialization procedure for a Beta product subsystem ID has been started. Parameter NEW_SSCA = YES or IMMED has been specified in LST member *BnnSSlxx*. A new SSCA control block for the subsystem has been generated in the ECSA/CSA. The current values have been written to the control block. If an SSCA control block already exists for this subsystem, the values that it contains are not used for the new one. *nn* indicates the product number and *xx* the suffix of the LST member.

System Action:

Initialization continues.

Operator Response:

None.

9108E STORAGE FAILED FOR *key* SUPPORT MODULE (*modulename*) RC(*rc*)**Written to:**

Operator console.

Explanation:

There is not enough storage available to load module *modulename*.

System Action:

The program terminates with RC=12.

Operator Response:

Increase the CSA/ECSA size and then retry the process.

9108W SICA-PRELOAD FAILED FOR MODULE *module name***Written to:**

Operator console.

Explanation:

The message comes up while the system is starting if a module could not be found or loaded.

module name name of the module which is to be loaded

System Action:

The system start continues but the system is not fully in operation and will not function faultlessly - uncontrolled abends may occur.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9108I OLD SSCA RESOURCES FREED: *sscaadr/rc xcfaadr/rc pmcaadr/rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The initialization procedure for a Beta product subsystem ID has been started. Parameter NEW_SSCA = YES or IMMED has been specified in LST member *BnnSSlxx*. A new SSCA control block for the subsystem has been generated in the ECSA/CSA. The current values have been written to the control block. Any values in an existing SSCA control block for this subsystem were not used for the new one. An existing SSCA control block for this subsystem, including its resources, was freed in the ECSA/CSA. *nn* indicates the product number and *xx* the suffix of the LST member.

sscaadr/rc *sscaadr* is the storage address of the SSCA that was freed in the ECSA/CSA.

rc is the return code for STORAGE RELEASE / FREEMAIN.

xcfaadr/rc *xcfaadr* is the storage address of the table for the STCs, batch jobs, users etc. associated with the subsystem in the ECSA/CSA that was freed.

rc is the return code for STORAGE RELEASE / FREEMAIN.

pmcaadr/rc *pmcaadr* is the storage address of the of the exit previously loaded in the ECSA/CSA that was freed.

rc is the return code for STORAGE RELEASE / FREEMAIN.

System Action:

Initialization continues.

Operator Response:

None.

**9109E LOAD|BLDL FAILED FOR *keyword* SUPPORT MODULE(*module*) [RC(*rc*)
|LENGTH(*length*)]****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The initialization of a subsystem ID for a Beta product was started. The *module* specified by *keyword* could not be found or loaded. If LOAD is not successful, the *length* of the module to be loaded is shown.

System Action:

Initialization is aborted with RC=16. It is not possible to work with the system to the full extent. This may lead to undefined problems.

Operator Response:

Make sure that the *module* is correct and that it exists in an authorized library, then retry the process.

**9109W SSID *ssid* NO LONGER USEABLE WITH SVC *nnn* - INITIALIZE SUBSYSTEM
WITH NEW SVC OR RELOAD SVC *nnn*****Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

When program BST01MST deletes a Beta SVC, it checks whether this SVC is used by any Beta subsystems. This warning message is output if BST01MST finds any subsystems that have been initialized with this SVC. Affected subsystems are marked as unuseable.

System Action:

BST01MST deletes the Beta SVC with the number *nnn* and outputs this warning message. BST01MST ends with RC=4 if there are no other errors. The subsystem with the ID *ssid* can no longer be used because it has been initialized with SVC *nnn*.

Operator Response:

Initialize the subsystem with the ID *ssid* with a new Beta SVC, or reload the Beta SVC with the number *nnn*.

9109I PROGRAM *name* AS *keyword* SUPPORT MODULE LOADED (*addrpmc/addr/len/rc*)**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The subsystem has been initialized. The indicated program *name* has been loaded for the support described by *keyword* (UXSRT, UXSEC, UXSIN, SUBSYS, or FSSM). The following information is included:

<i>addrpmc</i>	Address control block for program management
<i>addr</i>	Address in CSA/ECSA where the program was loaded
<i>len</i>	Decimal length of the program
<i>rc</i>	Return code of program load (normally 0)

System Action:

Operation continues.

Operator Response:

None.

9109I PROGRAM *name* AS *keyword* SUPPORT MODULE ALREADY LOADED (*addrpmc/addr/len/rc*)**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The subsystem has been initialized. The indicated program *name* is used for the support described by *keyword* (UXSRT, UXSEC, UXSIN, SUBSYS, or FSSM). *name* has already been loaded during a previous initialization of the subsystem and will be reused because it is identical with the current module. The following information is included:

<i>addrpmc</i>	Address control block for program management
<i>addr</i>	Address in CSA/ECSA where the program was loaded
<i>len</i>	Length (decimal) of the program
<i>rc</i>	Return code of program load (normally 0)

System Action:

Operation continues.

Operator Response:

None.

9110E SUBSYSTEM NOT DORMANT (SSID=xxxx)**Written to:**

Operator console.

Explanation:

The OS ENQUEUE for the z/OS subsystem ID *xxxx* failed during the time of the startup because the subsystem was already in use and occupied. This ENQUEUE ensures that only one subsystem with the same z/OS subsystem ID is running.

System Action:

The subsystem startup program is terminated with RC=998.

Operator Response:

Check whether a subsystem is already running with the same z/OS subsystem ID. Contact your system programming support for help to resolve this error.

xxxx number of the z/OS subsystem ID

9110W SUBSYSTEM(*ssid*) INITIALIZATION WAS NOT SUCCESSFUL**Written to:**

Operator console, JESMSG LG.

Explanation:

Program BST01SSI for subsystem initialization was started by BST01ARI. However, initialization could not run to completion because technical inadequacies were found. This message usually accompanies message 9137E.

System Action:

Program BST01ARI ends with RC=12. The system could not be completely initialized, possibly because parameters were missing, e.g. the SVC number. As a rule, these parameters can also be specified when the subsystem is started.

Operator Response:

Check for the cause of the problem. Where appropriate, specify the parameters when starting the subsystem.

9110I SUBSYSTEM(*ssid*) HAS BEEN SUCCESSFULLY INITIALIZED**Written to:**

Operator console.

Explanation:

The subsystem ID *ssid* has been successfully initialized.

System Action:

The program terminates normally with RC=0.

Operator Response:

None.

9111E MEMBER(*membername*) NOT FOUND**Written to:**

Operator console.

Explanation:

The member *membername* could not be found in the parameter library.

System Action:

The program terminates with RC=16.

Operator Response:

Correct the member name or insert the member in the library and then retry the process.

**9111I INITIALIZATION OF SUBSYSTEM(*ssid*) HAS BEEN STARTED WITH VERSION
*ptf-number*****Written to:**

Operator console, JESMSGLG.

Explanation:

Initialization of subsystem ID *ssid* has been started using program BST01SSI with PTF number *ptf-number*.

System Action:

The initialization procedure is started.

Operator Response:

None.

9112E OPEN FAILED**Written to:**

Operator console.

Explanation:

OPEN failed for the parameter dataset.

System Action:

The program terminates with RC=16.

Operator Response:

Verify that the parameter dataset has FB format, LRECL=80, DSORG=PO or PS.

9113I RECOVERY IN PROGRESS...**Written to:**

Operator console.

Explanation:

A system failure was detected. The subsystem ID will not be initialized.

System Action:

The program terminates.

Operator Response:

Retry the process. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9114E ABEND IN *module* DETECTED**Written to:**

Operator console, JESMSGLG.

Explanation:

The program *module* abended.

System Action:

Recovery will be initiated. The program terminates with RC=20.

Operator Response:

None.

```

9114Y addr requestx      xcfrc   xcfirc  *request  *
9114Y addr stkn         ttkn                    *          *
9114Y addr 40404040 40404040 40404040 40404040 *          *
9114Y addr 00000000 00000000 00000000 00000000 *          *
9114Y addr ssid      length                    *ssid     *

```

Written to:

SYSLOG, JESMSGLG.

Explanation:

An error has occurred during the execution of a command for XCF (IXCMSSGO/IXCMSSGOX). The message buffer required in XCF was temporarily unavailable.

<i>requestx</i>	Request in hexadecimal notation
<i>request</i>	Request in alphanumeric notation
<i>xcfrc</i>	Return code from IXCMSSGO/IXCMSSGOX in hexadecimal format
<i>xcfirc</i>	Reason code from IXCMSSGO/IXCMSSGOX in hexadecimal format
<i>stkn</i>	XCF sender token
<i>ttkn</i>	XCF target token
<i>ssid</i>	Target subsystem ID in hexadecimal format
<i>length</i>	Length of data in hexadecimal format
<i>ssid</i>	Target subsystem ID in alphanumeric format

System Action:

The system continues processing. The request initiated by the product is not executed. The request will be repeated after a specific time interval.

Operator Response:

None.

9114I message**Written to:**

Operator console, SYSLOG.

Explanation:

This message indicates the occurrence of an internal communication problem. *message* indicates the nature of this problem and can be one of the following:

- XCF - RECOVERY IN PROGRESS
A parallel request has occurred when sending data via BSA XCF communication. The transmission attempt has been terminated and will be automatically repeated after a certain time interval.
- XM - RECOVERY IN PROGRESS
The system has failed to establish an XM connection and will try again.
- NOT ENOUGH SPACE FOR WQE
Data has been received during an existing XCF connection, which is to be passed to the corresponding function of the job/STC. The data cannot be passed to the job/STC because the required space is not available. The sending requestor is informed of this situation and can react accordingly.

System Action:

The system continues working.

Operator Response:

Normally none. If this message occurs repeatedly, please contact your system administrator or Beta Systems support (see "Calling for support" on page 498).

9115E XCF_PROD MISSING**Written to:**

Operator console.

Explanation:

The Beta subsystem ID should be initialized for the BSA XCF support by means of the Beta subsystem ID (i.e., **XCF = YES** was entered in the member *BnnSSlxx*). The keyword XCF_PROD required in this case could not be found.

System Action:

The program terminates with RC=16.

Operator Response:

Please correct the input parameters.

9115I XCF - QUERY AREA TOO SMALL**9115I XCF - RESOURCE BOTTLENECK (XMSGI | GEXIT)****Written to:**

Operator console, SYSLOG.

Explanation:

These indicate the occurrence of an internal communication problem.

- If XCF - QUERY AREA TOO SMALL:
An XCF query request was triggered. The provided response area is too small. A larger area is made available automatically and the request is repeated.
- If XCF - RESOURCE BOTTLENECK (XMSGI | GEXIT):
A resource bottleneck has been encountered during XCF communication (normally memory problem). The pending request will not be executed. The requestor is informed of this situation and can react accordingly.

System Action:

The system continues working.

Operator Response:

Normally none. If this message occurs repeatedly, please contact your system administrator or Beta Systems support (see "Calling for support" on page 498).

9115I PREVIOUS *key* MODULE *module* WAS TRYING TO RELEASE (*addr/Len/sp/rc*)

9115I PREVIOUS PMC OF MODULE *module* WAS TRYING TO RELEASE
(*addr/Len/sp/rc*)

9115I FUNCTION [SSVT|BLDL|EPMC|CSUB] HIGHRC: *irc* FRC: *rc* INFO:
addr/Len/sp

Written to:

SYSLOG, JESMSG LG.

Explanation:

After new programs have been loaded during subsystem initialization, an attempt is made to release the memory area that is used by the corresponding obsolete programs in the CSA/ECSA. These messages indicate that an error has occurred during this process.

<i>key</i>	Support keyword (UXSRT, UXSEC, or UXSIN)
<i>module</i>	Name of the program of the attempted release
<i>addr</i>	Address of the area in the CSA/ECSA of the attempted release
<i>len</i>	Decimal length of the area
<i>sp</i>	Subpool of the area
<i>rc</i>	Return code of FREEMAIN
<i>irc</i>	Internal return code

FUNCTION shows the internal control blocks of the attempted release where FREEMAIN has failed.

System Action:

The initialization of the subsystem continues to completion. Memory areas in the CSA/ECSA where the attempted release has failed remain unavailable until the next IPL.

Operator Response:

Analyze the problem with the help of the information contained in these messages and the *BSA Installation and System Guide*. If the problem persists, please contact Beta Systems support (see "Calling for support" on page 498).

9116E NO SDWA PRESENT**Written to:**

Operator console.

Explanation:

No scheduler work area (SDWA) is present.

System Action:

Recovery will be initiated. The program terminates with RC=20.

Operator Response:

None.

9116W GLOBAL XCF CONNECT FAILED - nnnnnnnn**Written to:**

SYSLOG, JESMSGLG.

Explanation:

In a configuration where the Global XCF Connect address space is required (please refer to the *BSA Installation and System Guide*), a request has been sent to a target system via XCF. However, the required Global XCF Connect address space is not active. As a rule, the request originates from a Beta SMF exit. Depending on the frequency of the request, this message will be generated at intervals of 15 minutes or more until the required address space is activated. *nnnnnnnn* shows the number of requests that have been sent since the first occurrence of the message. Once the address space has been activated and a request has been successfully sent via this address space, the value *nnnnnnnn* will be reset to 0.

System Action:

The request is routed to the target system in the usual way, whereby the sending address space is joined to XCF by an IXCJOIN (if not already available). Once the sending address space is ended, the XCF connection is canceled by the operating system (IBM recovery system). This could lead to the writing of the corresponding LOGREC record, which also leads to a higher system load.

Operator Response:

Activate the Global XCF address space.

9117E AUTHORIZATION FAILED RC(*rc*), (BETA.INIT.*ssid*)**Written to:**

Operator console.

Explanation:

The security system rejected request CLASS='FACILITY', ENTITY='BETA.INIT.*ssid*' with return code *rc*.

System Action:

The program terminates with RC=16.

Operator Response:

Contact your local security administrator to obtain the appropriate authorization.

9117I PROGRAM BST01ARI ENDED DUE TO RACF PROFILE CHECK WITH RC = 4**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The initialization of the subsystem has completed. This involved a check of the RACF profile BETA.INIT.*ssid* in the FACILITY class. This profile does not exist.

System Action:

The system continues processing.

Operator Response:

None if this is what you want. Otherwise change the security definitions.

9118E PARSE ERROR OCCURRED DURING PARAMETER SCANNING (*keyword*)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The parameter dataset contains a syntax error. The error occurred at keyword *keyword*.

System Action:

The program terminates with RC=8.

Operator Response:

Correct the parameters and retry the process.

9118I *function* FOR SSID *ssid* HAS BEEN SET TO ON|OFF**Written to:**

Operator console.

Explanation:

Depending on *function*:

XCFTRACE	The BSA XCF trace function for the subsystem ID <i>ssid</i> was switched on or off. If ON, the message SVC9999I or SVC9998I appears during the execution of an XCF function.
BSA_SECURITY_CHECK_DATASET	Indicates the setting of the LST parameter of the same name (see <i>BSA Installation and System Guide</i>)
BSA_SECURITY_GLOBAL_MSG	Indicates the setting of the LST parameter of the same name (see <i>BSA Installation and System Guide</i>)

System Action:

The system continues processing.

Operator Response:

None.

9119E INVALID RECORD FORMAT USED BY THE BETA PARMLIB DATASET**Written to:**

Operator console.

Explanation:

The PARMLIB dataset has RECFM=F and not FB.

System Action:

The program terminates with RC=16.

Operator Response:

Reformat the PARMLIB dataset.

9119I NTK *token* FROM IPL/SETSSI HAS BEEN FOUND - RC=*rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The subsystem has been defined (during IPL or via the operator command SETSSI) and is being initialized via BST01ARI.

Initialization goes through two steps. Step 2 begins with a validity check of the token that was generated during step 1. The generated token was found and verified. *rc* is the return code of this check, normally 0.

System Action:

Initialization continues.

Operator Response:

None.

9119W PROFILE NOT DEFINED FOR (BETA.INIT.*ssid*)**Written to:**

Operator console.

Explanation:

The security system returned RC=4 because the profile CLASS='FACILITY', ENTITY='BETA.INIT.*ssid*' is not defined.

System Action:

The program continues. Finally it terminates with RC=4.

Operator Response:

If desired, define the profile to the security system.

9120E DYNAMIC ALLOCATION ERROR - ERROR X'*aaaa*' INFO X'*bbbb*'**Written to:**

Operator console.

Explanation:

An error occurred during the dynamic allocation of a dataset. The dynamic allocation error code *aaaa*, and the information code *bbbb* describe the error condition.

System Action:

Dataset was not allocated.

Operator Response:

Please refer to the related z/OS publication *System Programming Library: Job Management* to analyze the return and information codes, or contact your system programming support to get this error resolved.

9121E NO PRIMARY SPACE SPECIFIED ON 'SPACE' PARAMETER**Written to:**

Operator console.

Explanation:

Space specification for a dynamic allocation request specified a zero amount of primary space.

System Action:

Dataset was not allocated.

Operator Response:

Please refer to the description of dynamic allocation keywords and parameters in Beta 93 manuals.

9122E INVALID COMMAND AT COLUMN *n***Written to:**

Operator console.

Explanation:

An incorrect MODIFY command was entered on the operator console for the Beta product started task.

System Action:

The MODIFY command is ignored.

Operator Response:

Check the syntax of the MODIFY command and reenter the correct MODIFY command.

9123E SYNTAX ERROR AT COLUMN *n***Written to:**

Operator console.

Explanation:

A dynamic allocation request contained an invalid syntax in column *n*.

System Action:

Dataset was not allocated.

Operator Response:

Please refer to the description of dynamic allocation keywords and parameters in Beta 93 manuals.

9124E COMMAND c IS UNRECOGNIZABLE**Written to:**

Operator console.

Explanation:

A dynamic allocation request contains a command c that could not be recognized.

System Action:

Dataset was not allocated.

Operator Response:

Please refer to the description of dynamic allocation keywords and parameters in Beta 93 manuals.

9125E COMMAND c CONTAINS AN INVALID NUMBER**Written to:**

Operator console.

Explanation:

A dynamic allocation request contains a command c that specified a number not within the allowable limits.

System Action:

Dataset was not allocated.

Operator Response:

Please refer to the description of dynamic allocation keywords and parameters in Beta 93 manuals.

9126E COMMAND c CONTAINS INVALID PARAMETER CONTENTS**Written to:**

Operator console.

Explanation:

A dynamic allocation request contains a command c that specified an invalid parameter.

System Action:

Dataset was not allocated.

Operator Response:

Please refer to the description of dynamic allocation keywords and parameters in Beta 93 manuals.

9127E COMMAND c CONTAINS TOO MANY NUMBERS. MAX=10**Written to:**

Operator console.

Explanation:

A dynamic allocation request contains a command c that specified more numeric parameters than allowed.

System Action:

Dataset was not allocated.

Operator Response:

Please refer to the description of dynamic allocation keywords and parameters in the Beta 93 manuals.

9128E COMMAND c CONTAINS AN INVALID STRING**Written to:**

Operator console.

Explanation:

A dynamic allocation request contains a command c that contained an invalid string as a subparameter.

System Action:

Dataset was not allocated.

Operator Response:

Please refer to the description of dynamic allocation keywords and parameters in Beta 93 manuals.

9129E COMMAND c CONTAINS TOO MANY STRINGS. MAX=5**Written to:**

Operator console.

Explanation:

A dynamic allocation request contains a command c that specified more strings than allowable as subparameters.

System Action:

Dataset was not allocated.

Operator Response:

Please refer to the description of dynamic allocation keywords and parameters in Beta 93 manuals.

**9130E SUBSYSTEM ID (*ssid*) COULD NOT BE DEFINED DYNAMICALLY TO Z/OS
(RC: *rc* / RSN: *reason*)**

Written to:

Operator console, JESMSG LG.

Explanation:

Program BST01ARI was started. A new subsystem ID *ssid* was to be defined dynamically using IBM macro IEFSSI. However, this operation was unsuccessful. *rc* and *reason* show the return and reason codes generated by the macro for the ADD request.

System Action:

Program BST01ARI terminates with RC=16 and the subsystem ID is not defined.

Operator Response:

Check the return and reason codes for the cause of the error.

**9130I DEFINING OF SUBSYSTEM(*ssid*) HAS BEEN STARTED [DURING IPL/SETSSI]
WITH VERSION *ptf-number***

Written to:

Operator console, JESMSG LG.

Explanation:

The definition/initialization of subsystem ID *ssid* has been started using program BST01ARI with PTF number PTF number *ptf-number*.

System Action:

The definition/initialization procedure is started.

Operator Response:

None.

**9131E AUTHORIZATION TO DEFINE THE SUBSYSTEM ID (*ssid*) DYNAMICALLY FAILED
(RC: *rc* / BETA.INIT.*ssid*)**

Written to:

Operator console, JESMSG LG.

Explanation:

Program BST01ARI was started. A new subsystem ID *ssid* was to be defined dynamically. However, the authorization required for this operation does not exist. There are two possible reasons: Either there is no RACF profile available for FACILITY resource BETA.INIT.*ssid*, or the requestor does not have ALTER access to this resource. *rc* shows the return code generated by the RACF check.

System Action:

Program BST01ARI terminates with RC=16 and the subsystem ID is not defined.

Operator Response:

None.

**9132E INITIALIZATION OF SSVT FOR SUBSYSTEM ID (*ssid*) FAILED
(REQUEST: *request* / RC: *rc* / RSN: *reason*)****Written to:**

Operator console, JESMSG LG.

Explanation:

Program BST01ARI was started. A new SSVT (subsystem vector table) was to be created and initialized for subsystem ID *ssid* using IBM macro IEFSSI / IEFSSVT. However, this operation was unsuccessful. *rc* and *reason* show the return and reason codes generated by macro IEFSSI / IEFSSVT for the specified *request*.

System Action:

Program BST01ARI terminates with RC=16 and the subsystem ID is not defined.

Operator Response:

Check the return and reason codes for the cause of the error.

9133E DYNAMIC OUTPUT ERROR, RC(*aaaa*), FDBK(*bbbb*)**Written to:**

Operator console.

Explanation:

An error occurred during an attempt to perform dynamic output. The dynamic output error code *aaaa* and the information code *bbbb* describe the error condition.

System Action:

The OUTADD request fails.

Operator Response:

Please refer to the related z/OS publication *Authorized Assembler Language Reference LLA-SDU* to analyze the return and information codes, or contact your system programming support to get this error resolved.

9134E INVALID OR MISSING PARAMETERS FOR OUTDES COMMAND**Written to:**

Operator console.

Explanation:

A dynamic output request contains invalid parameters.

System Action:

The OUTADD request fails.

Operator Response:

Please refer to accompanying messages.

9135E SFF FUNCTION ABEND DETECTED

9135E PROGRAM *pgmname* AT DISPLACEMENT *offset* IN FUNCTION *functionname*

9135E PSW *programstatusword*, ABEND CODES S(*systemabend*), U(*userabend*)

9135E R0 *register0*, R1 *register1*, R2 *register2*, R3 *register3*

9135E R4 *register4*, R5 *register5*, R6 *register6*, R7 *register7*

9135E R8 *register8*, R9 *register9*, R10 *register10*, R11 *register11*

9135E R12 *register12*, R13 *register13*, R14 *register14*, R15 *register15*

Written to:

Operator console.

Explanation:

A serious error has occurred in the Beta product started task causing the abnormal termination of a function or a program. The error was either detected by the operating system, in which case *systemabend* contains the system abend code; or the error was detected by a Beta product function, in which case *userabend* contains the user abend code.

System Action:

Depending on the type of error, either the function is terminated or the entire subsystem is terminated.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9136I ADDRESS SPACE (*name*) TO INITIALIZE THE SUBSYSTEM ID (*ssid*) HAS BEEN STARTED**Written to:**

Operator console, JESMSG LG.

Explanation:

Program BST01ARI was started to initialize subsystem ID *ssid*, either by means of member IEFSSNxx during IPL, or by means of operator command SETSSI. A new temporary address space *name* has been generated where program BST01SSI can carry out initialization on the basis of the parameters passed to it.

System Action:

The address space was successfully started.

Operator Response:

None.

9136E ADDRESS SPACE (*name*) TO INITIALIZE THE SUBSYSTEM ID (*ssid*) COULD NOT BE STARTED (RC: *rc* / RSN: *reason*)**Written to:**

Operator console, JESMSG LG.

Explanation:

Program BST01ARI was started to initialize subsystem ID *ssid*, either by means of member IEFSSNxx during IPL, or by means of operator command STSSI . A new temporary address space *name* should have been generated to enable program BST01SSI to carry out initialization on the basis of the parameters passed to it. However, the operation was unsuccessful. *rc* and *reason* show the return code and reason code generated by macro ASCRE when it attempted to start the address space.

System Action:

The address space could not be started. Initialization was terminated with RC=16.

Operator Response:

Check for the cause of the error.

9137E SVC(*svcnum*) FOR THE SUBSYSTEM ID (*ssid*) COULD NOT BE FOUND OR IS INVALID FOR BETA SYSTEMS**Written to:**

Operator console, JESMSG LG.

Explanation:

Program BST01SSI for subsystem initialization was started by BST01ARI. At the same time, a check made on the SVC with number *svcnum*, which was specified for subsystem *ssid*, showed that this SVC cannot be used for Beta Systems products.

System Action:

Program BST01ARI ends with RC=12. The SVC number is ignored. The specified subsystem ID is initialized with the parameters defined for it, but it cannot be used. Message 9110W is also written.

Operator Response:

Check for the cause of the error. Where appropriate, specify the SVC when starting the subsystem.

9137I THE INITIALIZATION OF THE SUBSYSTEM *ssid* USES SVC *no/ptf***Written to:**

SYSLOG, JESMSGLG.

Explanation:

This message shows the number *no* of the SVC that was specified for the initialization of the subsystem *ssid*. *ptf* shows the PTF level of this SVC.

System Action:

The initialization continues.

Operator Response:

None.

**9138I PROGRAM *module* AS [UXSEC | UXSIN] SUPPORT MODULE HAS BEEN DELETED -
[PRODUCT | LOGON] SECURITY NO LONGER AVAILABLE****Written to:**

Operator console, JESMSGLG.

Explanation:

Program BST01SSI for subsystem initialization was started by BST01ARI. The subsystem had already been initialized with the named security exit. Therefore this exit was permanently placed in ECSA. However, no exit of this type was specified when the subsystem was re-initialized. As a result, the entry for the old exit was deleted and security is no longer available, even though it still might be required.

System Action:

Initialization continues.

Operator Response:

None.

9139E SYSTEM ERROR DETECTED, Z/ARCHITECTURE NOT INSTALLED**Written to:**

Operator console.

Explanation:

A Beta version 4 product has been activated. Version 4 Beta products require z/Architecture hardware. The hardware found does not support the z/Architecture.

System Action:

The product started task ends with RC=8.

Operator Response:

The version 4 product cannot be used.

9140E LOAD FAILED FOR MODULE BST01SVC (CC: x1/<x2>)**Written to:**

Operator console.

Explanation:

The system has tried to dynamically update the Beta SVC via the program BST01MST. During the process the SVC module BST01SVC could not be loaded. *x1* shows the reason code and *x2* the abend code of the LOAD macro.

System Action:

The SVC could not be updated.

Operator Response:

Determine the reason for the error and eliminate it.

9141E SVCUPDTE FAILED RC (nn)**Written to:**

Operator console.

Explanation:

The system has tried to dynamically update the Beta SVC using the program BST01MST. The API interface of the operating system is responsible for the error. *nn* stands for the return code of the SVCUPDTE macro.

System Action:

The SVC could not be updated.

Operator Response:

Determine the reason for the error and eliminate it.

9142E STORAGE REQUEST FAILED**Written to:**

Operator console.

Explanation:

The system has tried to dynamically update the Beta SVC via the program BST01MST. The storage was insufficient for the updating of the Beta SVC.

System Action:

The SVC could not be updated.

Operator Response:

Determine the reason for the error and eliminate it. Increase the region size.

9143E OPEN FAILED FOR LOADLIB**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The system has tried to dynamically update the Beta SVC via the program BST01MST. The SVC module must be loaded from a library but this library entered in the DD statement LOADLIB could not be opened.

System Action:

The SVC could not be updated.

Operator Response:

Determine the reason for the error and eliminate it.

9144E WHEN USING XCF THE SUBSYSTEM ID MUST HAVE A LENGTH OF EXACTLY FOUR CHARACTERS**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A product has been started, and its environment is to be initialized for XCF support. This requires a subsystem ID of exactly four digits, which is not the case.

System Action:

The product is not started.

Operator Response:

Modify the subsystem ID.

9145E DYNAMIC OUTPUT RC(*rc*) REASON(*reason*),*keyword,operand,msg***Written to:**

Operator console.

Explanation:

A dynamic output request returned a bad return code.

System Action:

The operation is terminated.

Operator Response:

Refer to the IBM manual *Application Development Reference for Authorized Assembler Programs* for an explanation of *rc* and *reason*. Correct the dynamic output parameter *keyword* and *operand* according to *msg*.

9146E MODULE(S) IN SEARCH ORDER NOT FOUND: *name(rc,irc),...***Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

A Beta subsystem has been started and several modules are called in sequence to determine the version of the product. The indicated modules were not found.

<i>name</i>	Name of the module
<i>rc</i>	Return code of LOAD (register 15)
<i>irc</i>	Reason code of LOAD (register 1)

Normally, accompanying messages 9146I and 9147I provide additional information.

System Action:

The Beta subsystem does not start.

Operator Response:

If RC=99: Look in the log for the preceding messages:

```
9146I MODULE name COULD NOT BE LOADED FROM THE PRODUCT LIBRARY  
(RC: 306 IRC: irc ADR: addr)
```

```
9147I TRYING TO RELOAD THE MODULE name FROM THE PRODUCT LIBRARY
```

Look up the meaning of *irc* of message 9146I in the IBM documentation.

If RC<>99: Look up the meaning of *rc* in the IBM documentation (system completion codes).

Also check to make sure that the module *name* is present in the steplib concatenation of the STC or in the linklist concatenation. If it is not, check whether the Beta product has been installed properly. If you cannot resolve this problem, please contact Beta Systems support (see "Calling for support" on page 498).

**9146I MODULE *name* COULD NOT BE LOADED FROM THE PRODUCT LIBRARY (RC: 306
IRC: *irc* ADR: *addr*)****Written to:**

Operator console, SYSLOG, JESMSGLG.

Explanation:

A Beta subsystem has been started. Module *name*, which is required for starting the subsystem, could not be loaded. A system abend S306 has occurred during LOAD. *irc* is the accompanying reason code. *addr* is the address where the module was to be loaded.

System Action:

The system retries to load the module.

Operator Response:

If the retry fails: Look up the meaning of *irc* in the IBM documentation. Failure is indicated by the subsequent occurrence of this message:

9146E MODULE *name* NOT FOUND (RC: 99)

If the retry is successful: None.

9147E PGM NOT FOUND IN EXEC PARM**Written to:**

SYSLOG, JESMSGLG.

Explanation:

An RFF batch job has been started. The parameter PGM in the EXEC PARM is missing.

System Action:

The job is terminated.

Operator Response:

Enter the PGM parameter in the job and restart it.

9147I TRYING TO RELOAD THE MODULE *name* FROM THE PRODUCT LIBRARY**Written to:**

Operator console, SYSLOG, JESMSGLG.

Explanation:

A Beta subsystem has been started. Module *name*, which is required for starting the subsystem, could not be loaded. A system abend S306 has occurred during LOAD.

System Action:

The system retries to load the module and continues working.

Operator Response:

None if the retry is successful. (See also messages 9146I and 9146E.)

9148E INVALID APF-AUTHORIZATION IN APFTAB/LNKLST/STEPLIB CONCATENATION**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A subsystem or batch job has been started. Module(s) required for the control of the functionality of the product and its components could not be loaded (for example, *BnnVnSI* or *BnnVnRSI*). The module was found in a load library that belongs to a chain where this library is not APF-authorized. Message 9146E (see page 186) provides more information on the module. *nn* indicates the number of the product and *n* indicates the version.

System Action:

The start process is canceled.

Operator Response:

Determine the reason for the error, eliminate it, and restart the subsystem or batch utility. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9149E START WAITTIME REACHED - NTK *token* WAS DELETED - RC=*rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

Subsystem start is waiting for initialization to complete, but the maximum waiting time has been reached. The unique token *token*, which has been generated for the subsystem during initialization, is deleted. *rc* is the return code from the deletion of the token.

System Action:

The start process is canceled.

Operator Response:

Determine the reason why initialization has not run to completion and then retry. If initialization takes too long, cancel it and then retry. After initialization has completed successfully, start the subsystem. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9149W START OF SUBSYSTEM *ssid* IS WAITING AT MOST *sec* SECONDS TO COMPLETE INITIALIZATION BY BST01ARI**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The subsystem has been defined (during IPL or via the operator command SETSSI) and initialized via BST01ARI. At the time when the subsystem has been started, initialization is not yet complete. The start process is halted for max. *sec* seconds until initialization has completed successfully. By default, the maximum waiting time is 30 minutes. You can change this value via the LST parameter BSA_START_INIT_WAITTIME.

System Action:

The start process continues when the after initialization has completed successfully. If initialization has not completed after the maximum waiting time has been reached, the start process will be canceled.

Operator Response:

None if the initialization and start process complete. If initialization takes too long, cancel it and then retry.

9149I SUBSYSTEM START NTK *token* WAS FOUND (IPL/SETSSI)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The subsystem has been defined (during IPL or via the operator command SETSSI) and is being initialized via BST01ARI. At the time when the subsystem has been started, initialization is not yet complete.

token Unique token that has been generated for this subsystem during its initialization

System Action:

The system continues processing.

Operator Response:

None.

9150E SUBSYSTEM ID ALREADY IN USE BY OTHER PRODUCT**Written to:**

Operator console.

Explanation:

The BST01ARI program cannot initialize a subsystem, because the subsystem ID is used by a product, which is not a Beta product.

System Action:

The program terminates with RC=16.

Operator Response:

Enter a different subsystem ID and retry the process.

9151E BSA LEVEL INFORMATION COULD NOT BE FOUND**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product was started. However, the BSA level could not be determined. As a rule this means that module BST01DSN could not be found or loaded.

System Action:

Product startup is aborted with RC=16.

Operator Response:

Make sure that module BST01DSN is correct and that it resides in a load library, then retry the process.

9151I BnnLSTxx LOADED, SVC(*svcnm/svclvl/epaddr*) SSID(*ssid*)
 SYSNAME(*sysname*) SYSPLEX(*sysplex*) SYSTEM(*z/OSn.nn*) ASIDX(*asidx*)
 9151I BSA INITIALIZATION *bsalevel* LEVEL: *Level number/highest PTF*
number/SFF PTF number
 9151I CPU INFORMATION - TYPE: *tttt* ID: *nnnn* LPAR: *L* TLCPU: *tccc* CLCPU:
cccc SLCPU: *sccc*

Written to:

Operator console, SYSLOG, JESMSG LG.

Explanation:

The Beta *nn* subsystem has been started with the parmlib member *BnnLSTxx*. If a concatenation of LST members is used, this is indicated by *BnnLST##* in this message. A subsequent 9151I message (see page 192) provides details on which members were used.

The first message includes the following information:

SVC(<i>svcnm/svclvl/epaddr</i>)	Number of the Beta SVC, its PTF level, and its entry point address (<i>svclvl</i> is identical with BSA level if there is no SVC PTF.)
SSID(<i>ssid</i>)	Subsystem ID
SYSNAME(<i>sysname</i>)	System name of the z/OS system
SYSPLEX(<i>sysplex</i>)	Name of the sysplex
SYSTEM(<i>z/OSn.nn</i>)	Version of the operating system
ASIDX(<i>asidx</i>)	Address space ID (in hexadecimal format) that was assigned to the STC/JOB during startup

The second message has the following information on BSA initialization: BSA level and level number, highest PTF number, and PTF number of the BSA control program.

The third message has the following CPU information: Machine type and machine ID, LPAR number, total LCPU count, configured CPU count, standby CPU count.

System Action:

Startup operation continues.

Operator Response:

None.

**9151I PARAMETERS LOADED FROM *bnnlstx1/x2* | *b01lstx1/x2/..* |
bnnlstx1/x2/.. AND *b01lstx1/x2/...***

Written to:

SYSLOG, JESMSG LG.

Explanation:

The subsystem or batch job that is started uses concatenated LST members. The message indicates the LST members that are used at base level (*b01lst* with suffixes) and at product level (*bnnlst* with suffixes).

System Action:

The system continues processing.

Operator Response:

None.

**9151I XM COMMUNICATION HAS BEEN ACTIVATED WITH RLX-PC INDEX:
*index/identifier***

Written to:

Operator console, SYSLOG, JESMSG LG.

Explanation:

A Beta subsystem has been started. Communication with this subsystem is carried out via the cross-memory services of z/OS via PC routines. The LX (linkage index) Reuse Service of z/OS is used for this. *index* and *identifier* describe the LX that is used.

System Action:

The system continues processing.

Operator Response:

None.

**9151I PRODUCT REQUIRED CROSS MEMORY COMMUNICATION IN THE SLX/SLU
ENVIRONMENT**

Written to:

SYSLOG, JESMSG LG.

Explanation:

A subsystem has been started. This system has to communicate with itself using cross-memory modes via a system linkage index (SLX). This environment is available and will be used.

System Action:

The system continues processing.

Operator Response:

None.

9152E BSATRACE WRITE ACCESS NOT ALLOWED (*name*)**Written to:**

Operator console.

Explanation:

Storing the TRACE information in the dataset *name* has been attempted. The RACF authorization is missing for this action.

name name of a dataset

System Action:

The system does not store any TRACE information in the dataset *name*. The TRACE information will be written to the JOBLOG/SYSLOG as before.

Operator Response:

Please inform your system administrator.

9152I BSATRACE TRACE WILL BE USED, DATASET (*dsname*/*SYSOUT*(*cClass*))OR *SYSOUT*(*cClass*).**Written to:**

Operator console.

Explanation:

This message informs you that the current debug trace dataset *dsname* or the sysout class *class* is in use.

System Action:

Debug trace will be taken.

Operator Response:

Unless this is needed, use the modify command to disable trace.

9153E UNRESOLVED ENTRY POINTS HAVE BEEN FOUND IN BETA SVC(*nnn*)**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The product was started with BETA SVC number *nnn*. The module BST01SVC installed in the operating system contains invalid external references and cannot be used.

System Action:

The started task/batch job ends with RC=16.

Operator Response:

Install BETA SVC module BST01SVC correctly (see the *BSA Installation and System Guide* and the *Release Notes*) and then restart the product.

**9153I AVAILABLE REGION SIZE BELOW: *nn* K ABOVE: *mm* M MEMLIM: *mm* g
A2G: *status*****Written to:**

Job log.

Explanation:

This message is written for informational purposes when a subsystem or batch job is started. It contains the following information:

- Maximum available region size below the 16-MB line (in Kilobyte)
- Maximum available region size above the 16-MB line (in Megabyte)
- Memory limit (in Megabyte (MB), Gigabyte (GB), Terabyte (TB) or Petabyte (PB))
- Status of A2G support (YES|NO) for the product database according to the LST parameter A2G_SUPPORT

System Action:

None.

Operator Response:

None.

9154E REQUIRED REGION SIZE BELOW: *nn* K ABOVE: *mm* M**Written to:**

Operator console.

Explanation:

There is not enough storage available. This message informs you about the maximum available region size above and below. This message will be displayed when more than 80% storage is used.

System Action:

None.

Operator Response:

Increase the subsystem region size and then retry the process.

9154W CRITICAL STORAGE ALLOCATION, BELOW *bb* %, ABOVE *aa* %**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The use of the central storage has reached a critical threshold value. *bb* specifies the currently used Central Storage below the 16MB line and *aa* specifies the currently used Central Storage above the 16MB line in percent (%).

System Action:

As long as the critical threshold value does not fall below the limit, this message is displayed with each storage request. If storage space is released through the storage-requesting product functions, this message will no longer be displayed if the threshold value has fallen below the limit and the system continues to work normally. Otherwise it can come to an abend of the started task due to the missing central storage.

Operator Response:

Inform the system administrator and if required, increase the central storage for this started task.

9154I BSA HAS STARTED BETAnn *gen* SYSTEM LEVEL *Level* *ptfnumber***9154I BSA HAS STARTED RFF-JOB OF BETAnn *gen* SYSTEM LEVEL *Level* *ptfnumber*****Written to:**

SYSLOG, JESMSG LG.

Explanation:

This informational message contains level information on the product STC or RFF batch jobs that has been started.

<i>nn</i>	Product number
<i>gen</i>	Product generation
<i>level</i>	Product level
<i>ptfnumber</i>	PTF level of the product

System Action:

The system continues processing.

Operator Response:

None.

9155E SYSTEM IDENTIFICATION NOT FOUND IN EXEC PARM**Written to:**

Operator console.

Explanation:

The SFF/RFF could not find the system to be accessed at startup time. Either the 'PGM=*pgmname*' or the 'S=*nn*' parameter was not correctly coded in the EXEC statement of the started task or batch job.

System Action:

The subsystem ends with RC=16.

Operator Response:

Correct the EXEC parameter and restart the batch job or started task.

9155I OPERATOR MODIFY COMMAND *command* RECEIVED**Written to:**

Operator console.

Explanation:

A MODIFY command has been submitted for the STC/RFF batch job. Additional message 9156I is generated in case of a STOP command (for example: F *stcname*, STOP).

System Action:

None.

Operator Response:

None.

9156E USER SVC NOT FOUND IN MEMBER(*membername*)**Written to:**

Operator console.

Explanation:

The product was started. However, the user SVC table could either not be found in the specified member (*membername*), or was invalid.

System Action:

Product startup is aborted with RC=16.

Operator Response:

Correct the error and restart the product.

9156I SHUTDOWN ORDER FOR *stcname* HAS BEEN RECEIVED**Written to:**

Operator console.

Explanation:

A STOP command has been submitted for the STC/RFF batch job.

System Action:

None.

Operator Response:

None.

9157E USER SVC NUMBER OFF RANGE (*svcnum*)**Written to:**

Operator console.

Explanation:

A number between 200 and 255 has to be entered for the Beta SVC.

System Action:

The subsystem ends with RC=16.

Operator Response:

Correct the 'SVC=' parameter in the parmlib member and restart the subsystem.

9157I CANCEL COMMAND FOR *stcname* SUCCESSFUL**Written to:**

Operator console.

Explanation:

A CANCEL command for the STC/RFF batch job was successful.

System Action:

None.

Operator Response:

None.

9158E BSA INITIALIZATION FAILED (*info*)**Written to:**

Operator console.

Explanation:

Depending on *info*:

- INCONSISTENT LEVEL: *newLvl/oldLvl*
The level consistency check at product start has detected that the BSA components that are used are not compatible (for example, BSA modules in BETA.APFLOAD and BSA.LOAD have different levels). *newLvl* is the level of the BETA.APFLOAD and *oldLvl* is the level of the BSA.LOAD.
- INCONSISTENT LEVEL: *bsaLvl/modLvl/modname*
The BSA level *bsaLvl* (1771-03 or later) and the level of the module *modname* with module level *modLvl* do not match. The minimum required *modLvl* is V7R1M3. This problem is typically caused by an installation problem affecting BSA level *bsaLvl*.
- PARM *BnnLST* INVALID
The specification for *BnnLST* in the EXEC parm is invalid. The reason may be a syntax error or a level mismatch, i.e. the BST01SFF/BST01RFF level that is used to start the subsystem is lower than the actual BSA level *bsaLvl* (1771-03 or later).
- MAXIMUM NUMBER *nn* OF LST-MEMBER EXCEEDED
The maximum number of concatenated LST members (B01LSTxx plus *BnnLSTxx*) is exceeded.
- LST-MEMBER CONCATENATION NOT ACTIVATED
Concatenated LST members were specified in the EXEC parm, but the product does not allow this by default. The LST parameter *Bnn_LST_CONCAT_SUPPORT* = YES can be coded to activate the support of concatenated LST members outside the basic product support (see *BSA Installation and System Guide*).

System Action:

The subsystem ends with RC=16.

Operator Response:

Determine the reason for the error, eliminate it, and restart the subsystem. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9159E SUBSYSTEM ID NOT FOUND IN MEMBER(*name*)**Written to:**

Operator console.

Explanation:

The required LST parameter **Bnn_SSID** has not been coded.

System Action:

The subsystem terminates with RC=16.

Operator Response:

Add `Bnn_SSID = ssid` in the `BnnLSTxx` member, where `ssid` is the subsystem ID, and then restart the subsystem.

9160E SUBSYSTEM ID IS INVALID. MEMBER(*name*)**Written to:**

Operator console.

Explanation:

The subsystem ID coded for the `Bnn_SSID` keyword in member `name` has an invalid length. Only 1-4 characters are allowed.

System Action:

The subsystem ends with RC=16.

Operator Response:

Correct the parameter in the parmlib member `name` and restart the subsystem.

9161E INVALID TRACE VALUE IN MEMBER(*name*)**Written to:**

Operator console.

Explanation:

An invalid value was entered in the parmlib member `name` for the keyword TRACE. Allowed values are NO, SHORT, and LONG.

System Action:

The subsystem ends with RC=16.

Operator Response:

Correct the parameter in the parmlib member `name` and restart the subsystem.

9161I BSATRACE IS NOT ACTIVE**Written to:**

Operator console.

Explanation:

The modify command TR FREE has been entered to release an allocated medium (dataset, SYSOUT class or SUBSYS). The medium had previously been allocated in the DD statement BSATRACE. The function for storing the TRACE output in this medium has not been activated yet.

System Action:

The system continues processing.

Operator Response:

None.

9162E SVC(*svcnum*) IS NOT A BETA USER SVC**Written to:**

Operator console.

Explanation:

The number *svcnum* specified is an SVC, but not the required Beta USER SVC.

System Action:

The subsystem ends with RC=16.

Operator Response:

Correct the 'SVC=' parameter in the BETA.PARMLIB, or correctly install the Beta USER SVC into the LPA as described in the *BSA Installation and System Guide*, and restart the subsystem.

9162I CLOSE OF BSATRACE NOT SUCCESSFUL**Written to:**

Operator console.

Explanation:

The modify command TR FREE has been entered to release an allocated medium (dataset, SYSOUT class or SUBSYS). The medium had been allocated in the DD statement BSATRACE beforehand. The release of the medium could not be successfully performed.

System Action:

The system could not release the medium which has been allocated in the DD statement BSATRACE. The output of the trace will be stored in the system log (SYSLOG) or JOBLOG as before.

Operator Response:

Try to find the reason for the error and notify your system administrator.

9163E INVALID KEYWORD (*keyword*) IN EXEC PARM AT COLUMN (*offset*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The syntax of the *keyword* at column *offset* of the EXEC PARM parameter is incorrect. Here *offset* is the relative position within the PARM= string.

System Action:

BST01SFF terminates with RC=16.

Operator Response:

Correct the invalid keyword on the EXEC PARM statement of the step running program BST01SFF and restart the started task.

Valid parameter syntax is '*key_1=val_1,key_2=val_2,...*'

Note: Comma (,) and equal sign (=) are illegal characters in *key_n* and *data_n*. *data_n* can also be null.

9163W INVALID VALUE IN KEYWORD (*keyword*): *offending_value* - DEFAULT WILL BE USED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

During the initialization or start of a subsystem, an invalid value was read for keyword *keyword*. The offending value will be ignored. The default value will be used instead.

System Action:

The initialization or start process continues with the default value.

Operator Response:

Correct the offending value with the help of the information in the *BSA Installation and System Guide*.

9163I BSATRACE NOT USED, ALLOCATION/OPEN ERROR (*name*)**Written to:**

Operator console.

Explanation:

The modify command TR ALLOC *name* has been entered. The medium (dataset, SYSOUT class or SUBSYS) entered for *name* in the DD statement BSATRACE could not be allocated, i.e. it could not be opened.

name name of a dataset, a SYSOUT class or SUBSYS

System Action:

The trace output will be stored in the system log (SYSLOG) or JOBLOG as before.

Operator Response:

Try to find the reason of the error and notify your system administrator.

9164E DATASET(*dsname*) NOT FOUND OR DSORG IS NOT PO**Written to:**

Operator console.

Explanation:

The Beta parameter library could not be found or the specified dataset is not partitioned organized.

System Action:

The subsystem ends with RC=16.

Operator Response:

Make sure that either the parmlib dataset name is correctly specified in the JCL or that the default library exists if no name is indicated in the JCL. Also check the dataset organization.

9164W BSATRACE HAS WRAPPED (TRACE DATA LOST) / (TRACE ON JOBLOG)**Written to:**

Operator console.

Explanation:

The TRACE dataset entered in the respective DD statement is full.

System Action:

Although the TRACE dataset is full, the TRACE data is written to the same dataset restarting at the beginning. The data stored in the TRACE dataset up to now is going to be lost.

Operator Response:

Inform your system administrator and increase the dataset.

9164I RELEASE OF BSATRACE NOT POSSIBLE, BSATRACE IS PERMANENTLY ALLOCATED**Written to:**

Operator console.

Explanation:

The modify command TR FREE has been entered to release an allocated medium (dataset, SYSOUT class or SUBSYS). The medium had previously been allocated in the DD statement BSATRACE. The system cannot release the specified medium because the DD statement BSATRACE has been entered explicitly in the JCL.

System Action:

The output of the trace is not stored in the medium which has been specified in the DD statement BSATRACE. The trace output will be stored in the system log (SYSLOG) or JOBLOG as before.

Operator Response:

Notify your system administrator.

9165E OPEN ERROR FOR DATASET(*dsname*) MEMBER(*name*)**Written to:**

Operator console.

Explanation:

The parameter library member could not be opened.

System Action:

The subsystem ends with RC=16.

Operator Response:

Check whether the member name *name* is correct and that the member exists in the specified dataset.

9165W BSATRACE SYNAD-ROUTINE WAS CALLED, TRACE DATA WILL NOW BE SENT TO JOBLOG/SYSLOG**Written to:**

Operator console.

Explanation:

An error occurred while storing data in the specified medium (dataset, SYSOUT class or SUBSYS). The medium had been allocated in the DD statement BSATRACE beforehand.

System Action:

The trace output will be stored in the system log (SYSLOG) or JOBLOG as before.

Operator Response:

Notify your system administrator.

9165I BSATRACE IS NOW INACTIVE, DATASET(*name*)**Written to:**

Operator console.

Explanation:

The modify command TR FREE has been entered to release the allocated medium (dataset, SYSOUT class or SUBSYS). The medium had been allocated in the DD statement BSATRACE beforehand.

System Action:

The medium specified in the DD statement BSATRACE has been released. The trace output will be stored in the system log (SYSLOG) or JOBLOG as before.

Operator Response:

None.

9166E SYNTAX ERROR IN MEMBER(*name*) LINE(*n*)**Written to:**

Operator console.

Explanation:

The keywords and parameters in the parmlib member *name* are syntactically incorrect.

System Action:

The subsystem ends with RC=16.

Operator Response:

Correct the keywords and/or parameters in error. For a description of the syntax, see "Parmlib member syntax" in *BSA Installation and System Guide*.

9169E SVC(*svcnum*) INCORRECT VERSION(*version*) PTF(*ptfLevel*)**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

When activating the subsystem, it was discovered that the Beta SVC with the specified number *svcnum* does not possess a valid status for the BSA level being used. *version* specifies the version of the SVC. *ptflevel* specifies the level of the SVC.

System Action:

The subsystem is not activated and the started task ends with RC=16.

Operator Response:

Ensure that the Beta SVC level and the BSA level match.

9170I type - SUPPORT HAS BEEN ACTIVATED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The respective LST parameter for the support of SYSVAR or ARM was specified in the LST member B01LSTxx. *type* stands for one of the following:

SYSVAR	The support for the substitution of static system is demanded.
ARM (xxx)	The support for the Automatic Restart Manager (ARM) was requested. xxx specifies whether the support should apply to the started task (STC), to batch jobs (BATCH), or to both (ALL).
XCF	shows that the subsystem ID for the BSA XCF communication was initiated.

System Action:

If SYSVAR support was required, then all LST parameters that contain the static systems will be replaced in accordance with the description in the *BSA Installation and System Guide*. With the ARM support a registration of the respective components (STC, BATCH, or both) takes place for ARM. If XCF is specified, then the entire communication is carried out via the XCF components of the operating system.

Operator Response:

None.

9170E RESOLVE OF KEYWORD *keyword* WITH VALUE *value* FAILED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The keyword *keyword* contains a symbolic variable in its value *value*. SYSVAR support was requested. An attempt to substitute this symbolic variable with the value of a static system symbol is made, but substitution has failed. One of the causes can be that the specified symbol is not a static system symbol.

System Action:

The substitution is not carried out. The system continues to operate with the non-substituted value.

Operator Response:

None.

9170W XCF - SUPPORT HAS BEEN REJECTED**Written to:**

Operator console, SYSLOG, JESMSGLG.

Explanation:

A valid XCF license must be available before XCF can be used.

System Action:

XCF support is switched off. It is no longer possible for systems to use XCF to communicate between different LPARs. OCF must be used instead.

Operator Response:

If you want to use XCF, please contact your Beta Systems sales representative or Beta Systems support (see "Calling for support" on page 498).

9171E ARM | XCF *type* FAILED MEMBER *member* RC: *rc* REASON: *reason***Written to:**

SYSLOG, JESMSGLG.

Explanation:

The *types* are INIT and TERM:

INIT	The registration for the Automated Restart Manager (ARM) or the XCF member with the name specified under <i>member</i> failed. <i>rc</i> and <i>reason</i> specify the exact cause (see IBM literature, section "Setting up a SYSPLEX").
TERM	The de-registration for the Automated Restart Manager (ARM) or the XCF member with the name specified under <i>member</i> failed. <i>rc</i> and <i>reason</i> specify the exact cause (see IBM literature, section "Setting up a SYSPLEX").

System Action:

No registration/de-registration is carried out for the ARM or the XCF member. The system continues to work with its normal functionality.

Operator Response:

Inform your system administrator to eliminate the cause.

9171I ROUTING TO OCF-SSID *ssid* HAS BEEN ACTIVATED**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The subsystem ID of the current started task has been initialized with parameter GOTO_OCF.

System Action:

The system continues working. All requests for the current subsystem ID of the started task are routed over subsystem *ssid* via OCF.

Operator Response:

None.

9172E TAKING DIAGNOSIS INFORMATION ERROR - INVALID [*type*]**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

An invalid request for diagnostic information has been received. The request originates from the LST parameter DIAG, which has been coded in the LST member or EXEC parameter, or from a MODIFY DIAG command. The request is invalid because of syntax problems. Depending on the nature of the request, *type* may be present, which can be one of the following:

COMMAND: *command*

PARAMETER: *parameter*

System Action:

The request is not executed. The batch job or STC continues processing.

Operator Response:

Correct the syntax of the LST parameter or MODIFY command and repeat the request.

9172I TAKING *message***Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

This message indicates that information on the runtime and installation environment has been requested, which can be used for further diagnosis. The request can originate from an abend situation, or it can be generated using the Service Manager, a MODIFY command, or an LST parameter. *message* indicates the type of the request.

- AN SFF DUMP
A modify DUMP command or an abend situation has caused the generation of an SFF DUMP.
- DIAGNOSIS INFORMATION
A diagnostic report has been requested.
- DIAGNOSIS INFORMATION TO CLASS *ocl*
A batch job or STC has been requested to output a diagnostic report. The request originates from the LST parameter DIAG, which has been coded in the LST member or in the EXEC parameter, or from a MODIFY DIAG command. The diagnostic report is written to DD BSADIAG. *ocl* is the output class to be used for this report.
- ADDITIONAL DIAGNOSIS INFORMATION TO CLASS *ocl*[/*dcl*]
ADDITIONAL DIAGNOSIS INFORMATION TO BSADIAG[/BSADIAGD/BSADIAGA]
Additional information (for example, an SFF dump) has been requested in addition to the standard diagnostic report. The diagnostic report is written to DD BSADIAG. *ocl* is the output class to be used for this report. The type of request determines which additional information is written and the accompanying messages. In case of an SFF dump, output is written to DD BSADIAGD and DD BSADIAGA. *dcl* is the output class to be used for these dumps.
- DIAGNOSIS INFORMATION - CLASS FROM ALLOCATED *ddname* WILL BE USED
The output of diagnostic information has been requested. The necessary DD statements BSADIAG|BSADIAGD|BSADIAGA have already been allocated with an output class and will be used.

System Action:

The request is executed.

Operator Response:

None.

9173I SFF DUMP FORMATTING [*fibname/funcname/pgmname*] COMPLETED. - RC(*rc*)

9173I DIAGNOSIS INFORMATION FROM [*fibname/funcname/pgmname*] COMPLETED. - RC(*rc*)

9173I ADDITIONAL DIAGNOSIS INFORMATION FROM [*fibname/funcname/pgmname*] COMPLETED. - RC(*rc*)

Written to:

Operator console.

Explanation:

These messages inform the operator that an SFF dump or diagnostic report was produced. The purpose of these messages is informational only. Additional information is output as necessary, which serves for a better internal analysis of the requestor of the dump or diagnostic report.

System Action:

None.

Operator Response:

None.

9174I TAKING AN SVC DUMP

9175I SVC DUMP COMPLETED. - RC(*rc*)

Written to:

Operator console.

Explanation:

The messages inform the operator that an SVC dump was produced. These messages are used for informational purposes only.

System Action:

None.

Operator Response:

None.

```

9176I SFF TRANSACTION LIST.                                SYSTEM TIME
9176I GP groupname (gcbaddr,tcbaddr), ACTIVE FUNCTION function name
9176I status function name function name program name date time fcbaddr
9176I          NUMBER OF FUNCTIONS (active/free)
9176I OCF COMMUNICATION LIST
9176I   LOCSSID: lssid SYSNAME: sysname STATUS: stat ASID : nr
9176I   RSBNAME: rssid SYSN/CL: sys-clo RSBF1 : f1 RSBF2: f2 RSBTOCID: convid
9176I TOTAL NUMBER GCB (gcbt) / TOTAL NUMBER FCB (fcbt/fcbf)
9176I ***** BOTTOM OF SFF/OCF TRANSACTION LIST *****

```

Written to:

Operator console.

Explanation:

This message shows the Subsystem Function Facility task list at the operator console as a result of the `F stcname,TL` operator command. The message may also be caused by an error in an OCF connection. The OCF Communication List section is only output if an OCF connection is present for the system.

When * is displayed for the status, the function displayed under the function name is in stop mode, i.e. it is currently being stopped.

active displays the number of the actively used FCBs (transactions)

free displays the number of freely usable FCBs for transactions

date displays the system date in the following format: mm/dd/yy

time displays the system time in the following format:
 hh.mm.ss.fffff
 (f indicates the fractions of a second, i.e. fffff = microseconds)

gcbaddr Address of the internal control block GCB

tcbaddr Address of the OS-TCB

fcbaddr Address of the internal control block FCB

lssid Local subsystem ID

rssid Remote subsystem ID

sysname Name of the system where the local subsystem ID is active

sys_clo Name of the system or sysclone where the remote subsystem ID is active

stat Status of the subsystem ID

<i>nr</i>	Number of the ASID of the started task
<i>f1</i>	Internal flag 1
	00 Not active
	40 Active and available (if the line is prefixed with an asterisk (*), the subsystem ID cannot be reached, irrespective of this flag)
	20 or 60 The subsystem is XCF initialized
<i>f2</i>	Internal flag 2
	80 OCF connection is using TCP/IP
	08 The system is not available
<i>convid</i>	Identifier of the CONVERSE connection
	In case of LU 6.2, <i>convid</i> is the VTAM application ID.
	In case of TCP/IP, <i>convid</i> consists of a two-digit sequential number plus the separator # plus the port number defined via the LST parameter BSA_OCF_TCPIP_CONVERSE, for example, 01#65004 . The sequential number 00 is used for the base connection according to BSA_OCF_TCPIP_PORT.
<i>gcbt</i>	Total number of all GCBs from the F <i>stcname</i> , TL operator command
<i>fcbt</i>	Total number of FCBs of the started task
<i>fcbf</i>	Number of FCBs of <i>fcbt</i> that have been marked as free. These FCBs will be reused when required.

System Action:

None.

Operator Response:

None.

```

9177I SFF OPERATING STATISTICS
9177I DSA SIZE nnn, BEG ADDR addr
9177I LOCK REQUESTS nnn, WAITS nnn
9177I SICA addr, SSCA addr, WQE NO nnn
9177I SSID ssid, SVC svcnum, (X'svcnum')
9177I TRACE SHORT(status), LONG(status)
9177I NR-LOGON : Logons NR-LOGOFF: Logoffs NR-CHECK: checks
9177I JCDBSTAT : NOT AVAILABLE
9177I JOBCORRS : job_correlator_system_part:
9177I JOBCORRU : job_correlator_user_part
9177I TYPE      : keyword      date      time      SVC      SVC number
9177I MODULE...: module      ptflevel  date      time
9177I SYST/PROD: system name / product identifier
9177I LOCATION  : system location
9177I MSTR_SSID: ssid
9177I EP/LENGTH: entrypoint      length
9177I INSTALLED: user ID      jobname jesid
9177I ROUTE_TO:  route_ssid
9177I GOTO_OCF:  ocf_ssid
9177I -----

```

Written to:

Operator console.

Explanation:

This message shows the Subsystem Function Facility operating statistics at the operator console as a result of the operator console command `F stcname,ST`.

The following information is included:

SYST/PROD	System name / Product identifier
LOCATION	System location
MSTR_SSID	Subsystem ID of the BQL master
NR-LOGON	Number of logons carried out against RACF
NR-LOGOFF	Number of logoffs carried out against RACF
NR-CHECK	Number of RACCHECKs carried out
JOBCORRS	Job correlator (system part)
JOBCORRU	Job correlator (user part)
JOBSTAT	Reserved for future use
ROUTE_TO	<i>route_ssid</i> is the subsystem ID to which the requests will be routed.

ROUTE_TO is specified in the active *BnnSSIxx* member of the product. For more information, see the *_beta* product *Installation and System Guide*.

GOTO_OCF *ocf_ssid* is the OCF subsystem ID via which the requests from the current subsystem are routed.

GOTO_OCF is specified in the active *BnnSSLxx* member of the product. For more information, see the *_beta* product *Installation and System Guide*.

System Action:

None.

Operator Response:

If system/product name and location are missing: This information is retrieved from the database system record of the corresponding *_beta* product. If these entries are missing, SFF and the *_beta* product are not working properly. Check the database system record entries of the *_beta* product concerned.

Otherwise: None.

9178E RC OF *returncode* RECEIVED FROM #SICM

Written to:

Operator console.

Explanation:

The operator command *F stcname,ST* could not be executed.

System Action:

The command is rejected.

Operator Response:

Retry the operator command. If it cannot be executed, stop and restart the started task. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9178I DATA COMPRESSION TYPE STD ACTIVE

Written to:

SYSLOG, JESMSG LG.

Explanation:

A product has been started. BSA will use the standard algorithm STD for data compression when requested by the product. The product component controls when data compression is used. The algorithm that is to be used cannot be changed and compression cannot be centrally deactivated.

System Action:

The system continues processing.

Operator Response:

None.

9179E COMMAND *command* UNKNOWN TO SFF**Written to:**

Operator console, JESMSGLG.

Explanation:

The address space of the BSA XCF Global Component is active. An invalid MODIFY command was entered. *command* is the invalid command.

System Action:

The address space continues working normally.

Operator Response:

Correct the MODIFY command.

9179W LOAD OF PRODUCT COMMAND EXIT FAILED**Written to:**

Operator console.

Explanation:

The system was started or a product specific MODIFY operator command was entered. The required product command exit could either not be found or loaded.

System Action:

The program continues working. No product specific operator commands can be executed.

Operator Response:

Please clarify the cause.

9179I STATUS OF THE DB-SUPPORT OF THE JOB CORRELATOR: *status* [(*)]**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A Beta subsystem has been started. *status* indicates which kind of job correlator support has been requested for the database that is used by the product, i.e. which job correlator information is to be stored in the product database.

The following values can occur for *status*:

FULL The complete job correlator is to be stored.

USER Only the user part of the job correlator is to be stored.

NONE No job correlator information is to be stored.

If *status* is followed by an asterisk (*), this means:

- Job correlator support has been requested for the database, but the JES*n* of the z/OS does not provide job correlator support.

System Action:

The system continues processing.

Operator Response:

None.

9180I BSATRACE ALREADY USED**Written to:**

Operator console.

Explanation:

The modify command TR ALLOC *name* has been entered beforehand. The DD statement has already been allocated and the specified medium has already been opened.

System Action:

The output of the trace will be stored in the medium which has been entered in the DD statement BSATRACE.

Operator Response:

None.

9181W ZIF SUPPORT HAS BEEN REJECTED (req / RC: rc / IRC: irc)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been started. The ZIF environment could not be created successfully. *req* indicates the request that caused the error (either CONNECT or CREATE). *rc* is the return code, and *irc* shows the details in hex format (see "ZIF activation codes" on page 488).

System Action:

The product continues working without zIIP support.

Operator Response:

Identify and eliminate the cause of the error.

9181I ZIF SUPPORT HAS BEEN ACTIVATED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been started. The BSA WLM/zIIP environment has been created successfully and an enclave has been activated. Special functions can be executed on zIIP.

System Action:

The started task / batch job for the product supports zIIP.

Operator Response:

None.

9182W ZIF SUPPORT FOR SSID *ssid* HAS BEEN REJECTED (LICENSE IS INVALID OR EXPIRED)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been started. The LST parameter *Bnn_WLM_SUBSYS_TYPE* has been specified. An attempt has been made to build the BSA WLM/zIIP environment and set up an enclave to activate special functions in zIIP. Support for this functionality is not activated because the required license is not valid.

System Action:

The product started task/batch job does not support zIIP. The product continues working without zIIP support.

Operator Response:

Obtain a license or remove the parameter *Bnn_WLM_SUBSYS_TYPE* from the LST member.

9182I ZIF SUPPORT FOR SSID *ssid* HAS BEEN [ACTIVATED | REACTIVATED]

9182I ZIF SUPPORT FOR BSACI HAS BEEN ACTIVATED

Written to:

SYSLOG, JESMSGLG.

Explanation:

The product or BSA Communication Integrator has been started. The BSA WLM/zIIP environment has been successfully set up, and an enclave has been activated. Special functions can be executed with zIIP.

System Action:

The product started task / batch job / BSA CI supports zIIP processing.

Operator Response:

None.

9183I MESSAGE SUPPRESSION IS IN EFFECT FOR:

9184I (*msg_mask1*,*msg_mask2*,...*msg_maskn*)

Written to:

SYSLOG, JESMSGLG.

Explanation:

Message suppression is in effect for the messages or message groups specified above. Here, '*msg_maskx*' is the message ID or message ID mask of the Beta messages to be suppressed, and may contain '?' or '**' as masking characters.

Please note that any Beta message with identifiers matching the above specifications is no longer sent either to the system log or consoles, or to any product internal message logs. This may hinder debugging efforts if used inappropriately.

System Action:

Subsystem initialization continues with messages suppressed.

Operator Response:

None.

9185I DUMP SUPPRESSION IS IN EFFECT FOR: (A)

9185I (*output of the dump suppression keyword*)

9185I DUMP WAS SUPPRESSED FOR COMPLETION CODE: Sxxx (B)

9185I DUMP WAS SUPPRESSED FOR COMPLETION CODE: Uyyyy

Written to:

SYSLOG, JESMSG LG.

Explanation:

(A) Part A of the message always comes up during system start when abend codes have been entered in the LST parameter DUMP_SUPPRESS.

(B) Part B of the message shows the abend codes which are to be suppressed. The first or the second line in message part B is displayed when an abend code occurs which has been entered in the LST parameter DUMP_SUPPRESS.

Sxxx contains system abend codes

Uyyyy contains user abend codes

System Action:

Neither an SFF dump nor a SYSABEND dump will be produced but the symptom dump as well as the ADB dump will be written. The system will continue processing.

Operator Response:

(A) None.

(B) Inform your system administrator.

9186I (*nnnn...*)

Written to:

SYSLOG, JESMSG LG.

Explanation:

If message 9185I has come up, this message will come up next. The message shows all abend codes for which a dump has been suppressed.

nnnn all abend codes which have been entered in the LST parameter DUMP_SUPPRESS are displayed one after the other

System Action:

The system continues processing.

Operator Response:

None.

9187W PRODUCT MESSAGE CHANGE DISABLED (LOAD-ERROR PROD-MSG-EXIT *exitname*)**Written to:**

SYSLOG, JESMSGGLG.

Explanation:

The product has a message exit, which could not be activated during initialization. *exitname* is the name of the exit.

System Action:

The system continues processing. SYSLOG and JESMSGGLG messages are processed according to the standard.

Operator Response:

Check why the exit could not be loaded and correct this.

9187I PRODUCT MESSAGE EXIT *exitname* HAS BEEN ACTIVATED**Written to:**

SYSLOG, JESMSGGLG.

Explanation:

The product has a message exit, which has been successfully activated during initialization. *exitname* is the name of the exit.

System Action:

The system continues processing. SYSLOG and JESMSGGLG messages are processed according to the functions of this exit prior to output.

Operator Response:

None.

9188I EYE-CATCHER WQSY WAS NOT VALID FOR FUNCTION *name***Written to:**

SYSLOG, JESMSGGLG.

Explanation:

For the communication of systems and functions WQEs (Work Queue Elements) are used. During a WQE check some inconsistencies have been found. *name* shows the name of the function where the error occurred.

System Action:

The WQE is ignored.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9189W MESSAGE ROUTING IS NOT IN EFFECT FOR SSID '*ssid*' (*information*)**Written to:**

Operator console.

Explanation:

The LST parameter MSG_ROUTE_TO=*ssid2* has been coded for a product to activate message routing to the *_beta* access monitor subsystem *ssid2*, but message routing could not be activated.

ssid Subsystem ID of the product subsystem

information Further information why message routing is not active

One of the following may be the reason for the error:

LOAD-ERROR SMI-EXIT An error occurred while loading the SMI exit, for example, the exit could not be found.

ROUTE-SSID INVALID The specified subsystem ID is invalid, for example, the specified value is too long.

System Action:

Message routing is not be activated. The system continues processing.

Operator Response:

Notify your system administrator and correct the error.

9189I MESSAGE ROUTING HAS BEEN ACTIVATED FROM SSID '*ssid1*' TO SSID '*ssid2*'**Written to:**

Operator console.

Explanation:

The LAT parameter MSG_ROUTE_TO=*ssid2* has been coded to activate message routing to the *_beta* access monitor subsystem ID *ssid2*.

ssid1 Subsystem ID of the product subsystem

ssid2 Subsystem ID of *_beta* access monitor

System Action:

When the subsystem ID *ssid2* has been activated, all product STC/batch job messages will be routed to the subsystem ID *ssid2*, according to the filters set in *_beta* access monitor.

Operator Response:

None.

9190E ABEND RECOVERY NOT POSSIBLE, REASON: *reason***Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

An abend occurred in a function/transaction within a program. The installed recovery routine was called for processing this abend. Thereby, an error occurred which no longer enables the execution of the recovery. *reason* specifies the reason for this. The following values can occur:

- No valid rcb-chain
- No sica found
- No gcb found
- Gcb damaged
- Fcb damaged
- Getmain for adb failed

System Action:

The Beta-STC or the job ended abnormally with the user abend 988. A SYSABEND dump is generated.

Operator Response:

Analyze the error and if possible remove it. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498). Supply information on the dumps in your problem report.

9190I *startup_message***Written to:**

Operator console.

Explanation:

The startup message is written when the subsystem initialization process of the Beta product has completed. It indicates that the subsystem is ready for work. The text of the startup message can be changed via the LST parameter *Bnn_COMMENT*, where *Bnn* is the Beta product identification.

System Action:

None.

Operator Response:

None.

9191E SVC CONNECTION ERROR -- RC *rc***Written to:**

Operator console.

Explanation:

The subsystem attempted to connect to the Beta USER SVC, but failed.

System Action:

SFF initialization continues without cross-memory connection. The subsystem remains non-communicative for other subsystems, jobs or users.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9191I MESSAGE ROUTING REFRESH-COMMAND IGNORED (ROUTE-SSID *ssid* INVALID)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

A refresh command has been sent to your subsystem ID from a *_beta* access monitor subsystem in order to activate newly set filters, but message routing has been activated to another *_beta* access monitor subsystem via the LST parameter MSG_ROUTE_TO.

ssid Subsystem ID of the *_beta* access monitor subsystem where the refresh command has been entered

System Action:

The refresh command is ignored.

Operator Response:

None. If necessary, notify your system administrator.

9192E INVALID WQE RECEIVED BY *function name*. COMMAND *nn* X'*nn*'**Written to:**

Operator console.

Explanation:

The system work queue detected a unit of work that could not be allocated to a specific task.

System Action:

The unit of work is ignored.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9192W MESSAGE ROUTING IS NOT INSTALLED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A refresh command has been sent to your subsystem ID from a `_beta` access monitor subsystem in order to activate newly set filters, but the function for message routing has not been activated.

System Action:

The refresh command is ignored. The system continues processing.

Operator Response:

Check whether the prerequisites for message routing are available, for example, whether the correct BSA level has been installed.

9193E UNSUCCESSFUL RETURN CODE RECEIVED FROM RESPONSE TRANSFER. RC=(rc), INFO=(ic)**Written to:**

Operator console.

Explanation:

The subsystem tried to retransmit data as a response to a TSO user's request. During retransmission, an error occurred.

System Action:

The TSO user's request is aborted.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9193I THE SUPPORT OF THE JOB CORRELATOR IS POSSIBLE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A Beta subsystem with a product identifier ≤ 20 has been started. The informational message indicates that the JES n of the z/OS provides job correlator support.

System Action:

The system continues processing.

Operator Response:

None.

9194E RECOVERY STATUS OF FUNCTION *func* / *pgm* COULD NOT BE FOUND --> EARLY 989'**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

An extended recovery routine has received the control, but crucial information required for the routine to work correctly is not available. *func* specifies the name of the function, where the abend occurred and *pgm* specifies the name of the program that was last active.

System Action:

The Beta STC or the job ends abnormally with a user abend 987 or 988. A SYSABEND dump is generated.

Operator Response:

Analyze the error and if possible remove it. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498). Supply the information concerning dumps in your problem report.

9194I RECOVERY CONTINUE FUNCTION HAS BEEN CALLED**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

An abend occurred in a function/transaction or within a program. The installed recovery routine was called for processing this abend and ended successfully. The recovery routine passes on the control to a further defined recovery routine.

System Action:

The system continues to work in accordance with the error handling defined in the recovery routine.

Operator Response:

None.

9194I XCF BUFFER SHORTAGE HAS OCCURRED (2081000B)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

An error has occurred during the execution of a command for XCF (IXCMSSGO/IXCMSSGOX). The message buffer required in XCF was temporarily unavailable. Return/Reason codes are described in "Subsystem connection errors" on page 474.

System Action:

The system continues processing. The request initiated by the product is not executed. The request will be repeated after a specific time interval.

Operator Response:

Check the log for the preceding message 9114Y, which provides diagnostic information. Analyze the problem with the help of this information and try to correct it. If the problem persists, please contact Beta Systems support (see "Calling for support" on page 498).

9195E INVALID PARAMETER (SICA) PASSED DURING SFF CROSS-MEMORY CONNECTION PROCESSING**Written to:**

Operator console.

Explanation:

SFF cross-memory connection processing could not interpret the subsystem interface control area passed by SFF initialization processing.

System Action:

SFF initialization processing continues without cross-memory connection. The subsystem remains non-communicative for other subsystems, jobs or users.

Operator Response:

Make sure that you are using the correct BSA program level and Beta SVC level for the Beta product level in use. For a list of compatible program levels, see the accompanying documentation of the installation or maintenance package.

9196E SUBSYSTEM ID (*ssid*) HAS NOT BEEN DEFINED TO z/OS OR NOT INITIALIZED**Written to:**

Operator console.

Explanation:

SFF cross-memory connection processing could not locate the SSCT control block associated with subsystem *ssid*.

System Action:

SFF initialization processing is terminated with RC=16.

Operator Response:

Depending on the cause of the error, which may be a simple typo in the value of the subsystem parameter, do the following:

- Check which product subsystem ID is specified in the *BnnLSTxx* member of the BETA.PARMLIB. If necessary, correct it and restart the started task.
- Check whether the correct subsystem ID has been specified in the member IEFSSNxx of the z/OS PARMLIB (changes take effect after an IPL, but you can also define the subsystem dynamically via the operator command SETSSI ADD,SUB=*ssid*).

For a description of the *BnnLSTxx* member, see chapter "Customization" in the product's *Installation and System Guide*.

For information on defining and initializing subsystems, see "Specifying a subsystem ID and initializing the subsystem" in *BSA Installation and System Guide*.

9197E INITIALIZATION OF THE SUBSYSTEM ID *ssid* IS TERMINATED WITH RETURN CODE *rc***Written to:**

Operator console.

Explanation:

The started task has been started with the subsystem ID *ssid*, but the SFF initialization could not be fully executed. Return code *rc* specifies the exact cause of the error.

System Action:

The SFF initialization process is terminated.

Operator Response:

Look up the meaning of the return code *rc* in "Subsystem initialization codes" on page 487 and resolve the error. Then restart the started task with the subsystem ID *ssid*.

9198E SUBSYSTEM *ssid* IS ALREADY ACTIVE**Written to:**

Operator console.

Explanation:

SFF cross-memory connection processing detected that *ssid* is already active in a different address space.

System Action:

SFF initialization processing continues without cross-memory connection. This address space remains non-communicative for other subsystems, jobs, or users.

Operator Response:

Do one of the following:

- Stop the active subsystem before attempting to restart this one.
- Specify a different subsystem ID and restart this subsystem.

For more information on specifying a subsystem ID to z/OS, see "Specifying a subsystem ID and initializing the subsystem" in *BSA Installation and System Guide*.

9198I RACF-RESULT: USER: *userid* RAC-RC: *rc* RAC-IRC: *irc* SAF-RC: *rc* SAF-IRC: *irc* REQ: *msg***Written to:**

Operator console, SYSLOG.

Explanation:

RACF checks are being traced because the LST parameter BSA_TRACE_SEC has been set to YES or ALL. This message is output when a RACF request is carried out in the address space of the STC and the security router UXSRT is called by the started task.

msg indicates the type of message:

CHK RACF check without ICH.... message

CHKM RACF check with ICH.... message

RACR RACROUTE request

System Action:

The request is executed.

Operator Response:

None.

9199W SFF SHUTDOWN DEFERRED**9199W CRITICAL FUNCTION(S) STILL ACTIVE****Written to:**

Operator console.

Explanation:

Subsystem shutdown processing was delayed due to the presence of functions which must complete before the subsystem can stop.

System Action:

SFF termination processing is delayed and the product or facility operator console exit is called for further determination as to the status of termination. In most cases subsystem termination is rejected.

Operator Response:

Refer to accompanying messages to determine why subsystem termination might not complete. After the source of delay has been eliminated, retry the shutdown request.

9199I RACF-RESULT: USER: *userid* SAF-RC: *rc* SAF-IRC: *irc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

RACF checks are being traced because the LST parameter BSA_TRACE_SEC has been set to YES or ALL. This message is output when a RACF request is not carried out, for example, in the address space of TSU user.

System Action:

The request is executed.

Operator Response:

None.

9200 - 9299 OCF / TCP/IP server messages (part 2)

More OCF / TCP/IP server messages can be found in "8000 - 8099 OCF / TCP/IP server messages (part 1)" on page 8.

9200E *program/function: rplfdbk, rpl6rcpr, rpl6snsi*

Written to:

SYSLOG, JESMSGGLG.

Explanation:

A VTAM error occurred while an OCF connection was being established or during the active communication of an OCF connection. Messages 9201E through 9204E may come up.

program Name of the program where the error occurred

function VTAM-LU 6.2 request

rplfdbk, rpl6rcpr, rpl6snsi Belong to the fields of the appropriate VTAM RPL

System Action:

If possible, after dumps have been written the OCF connection is in operation or a retry algorithm is used to re-establish the connection.

Operator Response:

Determine the error and try to eliminate it.

9201E LU *luname* APPC CONVERSATION ERROR (*prisec*) SENSE *sense code*

Written to:

Operator console.

Explanation:

An error or unforeseen condition occurred while the OCF attempted an APPCCMD call to logical unit *luname*. Here *pri* is the primary and *sec* is the secondary return code in the RPL extension of the Request Parameter List passed back from the APPCCMD call. These return codes are further documented in the IBM manual *VTAM Programming for LU6.2*, section "RCPRI,RCSEC Combinations". This message is usually accompanied by message 9202E which contains the freeform text of the error or condition message while 9203E contains additional information regarding the APPCCMD itself. In addition, the VTAM sense code is displayed. Refer to your IBM manuals for an explanation of the accompanying sense code.

System Action:

Operation continues.

Operator Response:

Refer to the *BSA Installation and System Guide* for more information.

9202E message**Written to:**

Operator console.

Explanation:

This message is a continuation of message 9201E. Here *message* contains the freeform text interpreted from the primary and secondary return codes shown in message 9201E.

System Action:

Operation continues.

Operator Response:

See message 9201E for additional information.

9202I *efcname/ifname/program*: DETERMINE ERROR CODE *rplfdbk, rpl6rcpr, rpl6rcsc, rpl6snsi***Written to:**

SYSLOG, JESMSGLG.

Explanation:

A VTAM error occurred while an OCF connection is being established or during the active communication of an OCF connection. The routine for a better display of VTAM return codes has been called up.

<i>efcname</i>	External function name or VTAM applid of the connection
<i>ifcname</i>	Internal function name
<i>program</i>	Name of the program where the error occurred
<i>rplfdbk, rpl6rcpr, rpl6rcsc, rpl6snsi</i>	Belong to the fields of the appropriate VTAM RPL

System Action:

The VTAM return codes have been determined and the information found is displayed in message 9201E and 9202E. If possible, the OCF connection is in operation or a retry algorithm is used to re-establish the connection.

Operator Response:

Determine the error and try to eliminate it.

9203E IN APPCCMD CONTROL (p1) QUALIFY (p2)**Written to:**

Operator console.

Explanation:

This message is a continuation of message 9201E. Here *p1* contains the CONTROL and *p2* contains the QUALIFY parameter which were specified in the APPCCMD call.

System Action:

Operation continues.

Operator Response:

See message 9201E for additional information.

9203I *efcname/ifcname/program*: ANALYZE-DUMP HAS BEEN REQUESTED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

An error occurred while the system tried to establish an OCF connection or during the active communication of an established OCF connection. During system start the LST parameter OCF_ANALYZE_DUMP has been activated to determine the reason of the error and to better determine the error.

efcname External function name or VTAM applid of the connection

ifcname Internal function name

program Name of the program where the error occurred

System Action:

An SFF dump has been created and can be found under the DD statement SFFFDUMP. The dump can be written a maximum of three times. If possible, the OCF connection is in operation or a retry algorithm is used to re-establish the connection when the dump is written.

Operator Response:

Determine the error and eliminate it.

9204E LU Luname: PIU TOO LONG (MAXDATA/RUSIZE)**Written to:**

Operator console.

Explanation:

This message is a continuation of message 9202E and comes up when the sense code displayed in message 9201E is X'800A0000'. The RUSIZE value in LOGMODE APPC01 or the MAXDATA value exceeds the maximum allowed size.

System Action:

Operation continues.

Operator Response:

The following should be checked for all configurations used to determine the maximum size allowed for MAXDATA (MAXDATA is a subparameter of OCF_CONVERSE statement. For more information, see "LST parameters for OCF" in *BSA Installation and System Guide*.):

1. VTAM-to-VTAM connection across a channel-to-channel interface (CTC)

- if both VTAM versions are higher than V3R2 and have an APPN connection, the MAXBFRU value from the TRL major node multiplied by 4K equals (=) the maximum allowed size for MAXDATA
- if both VTAMs have the CTCA enhancement (V3R2 and higher include the CTCA enhancement), the MAXBFRU value from the CTCA LINE statement multiplied by the IOBUF size from the VTAM start options equals (=) the maximum allowed size for MAXDATA
- if one or neither of the VTAMs have the CTCA enhancement, then the MAXBFRU value from the LINE statement multiplied by the IOBUF size from the VTAM start options equals (=) the maximum allowed size for MAXDATA.

2. VTAM to channel-attached NCP (network control program):

VTAM will take the smaller of the following two values:

- the MAXDATA value from the PCCU statement (or from the LINE/PU statement for a channel-attached NCP)
- OR-
- the maximum PIU size for the NCP. This value is the result of the BFRS value from the BUILD statement multiplied by the TRANSFR value from the channel adapter LINE statement for 3745 or 3720 with V5 NCP (or from the BUILD statement for other NCPs).

3. Channel-attached NCP to VTAM:

The MAXBFRU value from the HOST statement (or from the LINE statement for channel-attachment NCP) multiplied by the IOBUF size from the VTAM start options equals (=) the maximum allowed size for MAXDATA. This value will be the maximum size that can flow from the NCP to the host.

4. NCP to link-attached NCP:

The TRANSFR value from the LINE statement multiplied by the BFRS value from the BUILD statement equals (=) the maximum allowed size for MAXDATA.

5. NCP to link-attached VTAM:

The MAXBFRU value from the CA LINE statement multiplied by the IOBUF size from the VTAM start options equals (=) the maximum allowed size for MAXDATA.

Note: The definitions of all PU type 4 or 5 nodes on the session path must be checked. Any PU type 4 or 5 can change the PIU (which is too large) into an 800A0000 exception request.

Correct the size used for MAXDATA in the OCF_CONVERSE statement or correct the RUSIZE in LOGMODE APPC01. The RU size is calculated as follows: the MAXDATA value minus 34 bytes (header of PIU) = RU size. Example: 2048 - 34 = RU size 2014 bytes. See "Calculating the values for RU sizes" in *BSA Installation and System Guide*.

We recommend that you change the size used for MAXDATA in the OCF_CONVERSE statement.

Then restart the system.

If you decide to alter the RU size, then the altered size will be displayed in message 9232I (in the To-value).

When a connection between two OCF nodes has been successfully established, enter the set RU size in LOGMODE APPC01 or when an OCF node is connected to several other OCF nodes, enter all set MAXDATA values for the relevant OCF node in the MAXDATA parameter of the OCF_CONVERSE statement.

9209I OCF | TCP/IP | OCF TCP/IP PORT STATEMENT(S) MISSING IN STARTUP DECK OR HAS BEEN IGNORED**Written to:**

Operator console.

Explanation:

OCF subsystem initialization detected that OCF statements do not exist in the BETA.PARMLIB startup sequence. When a TCP/IP PORT STATEMENT(S) comes up, the TCP/IP port number, necessary to starting the BSA TCP/IP server, could not be found. TCP/IP PORT STATEMENT(S) defined for a batch job (RFF) will be ignored.

System Action:

OCF subsystem initialization is abnormally terminated. When a TCP/IP PORT STATEMENT(S) comes up, the BSA TCP/IP server will not be activated. The initialization or start of the subsystem will continue.

Operator Response:

If required, enter the necessary OCF statements or the required statements for starting the BSA TCP/IP server into the appropriate BETA.PARMLIB member of the Beta product or facility being used. Refer to the *BSA Installation and System Guide* for more information.

When the BSA TCP/IP server is to be activated, you can use the z/OS operator command MODIFY to temporarily start the BSA TCP/IP server. For more information, see the *BSA Installation and System Guide*.

This message is always issued when no OCF statements or TCP/IP port statements could be found in the parmlib member. However, OCF parameters need only to be inserted when multi-CPU operation is required.

9210E [OCF] INITIALIZATION ERROR, EXECUTION TERMINATED**Written to:**

Operator console.

Explanation:

OCF subsystem initialization detected an error in one or more OCF keywords specified in the BETA.PARMLIB startup deck sequence.

System Action:

OCF subsystem initialization is abnormally terminated.

Operator Response:

Refer to accompanying OCF messages to determine and correct the source of the error. Sources of error may be in:

- VTAM definitions in the SYS1.VTAMLST dataset or another dataset concatenated in the NET procedure
- OCF statements in the BETA.PARMLIB member in use for the Beta product or facility
- Incorrectly activated VTAM node.

9211I p1 PARAMETER NOT SPECIFIED**Written to:**

Operator console.

Explanation:

OCF subsystem initialization could not locate required parameter *p1* in the BETA.PARMLIB startup deck sequence.

System Action:

Initialization continues.

Operator Response:

Include the missing parameter in the startup member of the BETA.PARMLIB for the Beta product or facility. Refer to the *BSA Installation and System Guide* for more information.

9212I ERROR ON p1 PARAMETER**Written to:**

Operator console.

Explanation:

OCF subsystem initialization detected a syntax error in parameter *p1* specified in the BETA.PARMLIB startup deck sequence.

System Action:

Initialization continues.

Operator Response:

Correct the failing parameter in the startup member of the BETA.PARMLIB for the Beta product or facility. Refer to the *BSA Installation and System Guide* for more information.

9213E ATTACH OF BST02MP FAILED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The system has tried to establish an OCF connection. During this process the module BST02MP unfortunately could not be called up.

System Action:

The system is in operation but the OCF connection could not be established.

Operator Response:

Determine the reason for the error and eliminate it.

9214E NOT CONFIRMED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The system has tried to establish an OCF connection or the OCF connection has already been established. During the sending or reception of data, an error occurred in the LU 6.2 protocol.

System Action:

The system is in operation but the current data transfer has been interrupted.

Operator Response:

Determine the reason for the error and eliminate it.

9214I OCF-LOCAL-SYSTEM 'ssid[ocf_ssid]' info HAS TO BE ACTIVATED AS WELL**Written to:**

SYSLOG, JESMSGLG.

Explanation:

OCF statements were found during the startup of the Beta STC. The subsystems supported by the defined OCF connection are output. *ssid* is the local subsystem ID specified in the LST parameter OCF_LOCAL_SYSTEM. If all requests for the subsystem ID *ssid* are to be routed to an OCF subsystem ID, this will be indicated under *ocf-ssid. info* provides more detailed information on the status of the local subsystem ID. The following values may appear:

blank	The local subsystem ID is active in this system.
(*)	The local subsystem ID has not yet been defined in this system. The OCF_LOCAL_SYSTEM parameters defined for the subsystem ID in the LST member will be ignored.
(**)	The local subsystem ID is defined but has not yet been initialized in this system. The OCF_LOCAL_SYSTEM parameters defined for the subsystem ID in the LST member will be ignored.
(***)	The local subsystem ID is defined in this system in accordance with Beta conventions, but is not active.
XCF	The subsystem ID has been initialized for XCF support.

System Action:

The system continues to work normally.

Operator Response:

None.

**9215I ssid (jobname/jesid/sysname/ascb)|(XCF/XCF membername/XCF token)
9215I HAS BEEN SUCCESSFULLY MARKED AS status BY LSS|PSS FROM applid**

Written to:

SYSLOG, JESMSGLG.

Explanation:

The subsystem ID *ssid* supported in the OCF network on this system was set to status *status*. Here, *status* can be active or inactive. The request was issued by the system on which the OCF APPLID *applid* is active. The following job information is supplied in addition to the subsystem ID:

<i>jobname</i>	Job name of the Beta STC in accordance with the subsystem ID, or with XCF if the SSID is in a sysplex
<i>jesid</i>	JES ID of the Beta STC, or XCF member name if the subsystem concerned is an XCF-initialized subsystem ID in a sysplex
<i>sysname</i>	System name on which the Beta STC is active, or XCF member token if the subsystem concerned is an XCF-initialized subsystem ID in a sysplex
<i>ascb</i>	ASCB address of the Beta STC or blank if the subsystem concerned is an XCF-initialized subsystem ID in a sysplex
<i>XCF member</i>	XCF member name given to the SSID when it joined XCF
<i>XCF token</i>	XCF token created by XCF for the SSID that joined under <i>membername</i>

LSS or PSS specifies the procedure used to set the status.

System Action:

The remote subsystem ID can or cannot be accessed by the system, depending on the status (active or inactive, relevantly).

Operator Response:

None.

9216I RETRY LIMIT EXCEEDED FOR LU *luname*

Written to:

Operator console.

Explanation:

An attempt to allocate an SFF subsystem support conversation to logical unit *luname* by the OCF subsystem could not be completed after several retry attempts.

System Action:

The OCF subsystem is awaiting a connection request from *luname*.

Operator Response:

None.

9217I RETRY IN PROGRESS FOR LU *luname***Written to:**

Operator console.

Explanation:

An attempt to allocate an SFF subsystem support conversation to logical unit *luname* by the OCF subsystem could not be completed.

System Action:

The OCF subsystem attempts to retry the connection request to *luname*.

Operator Response:

Start the application which is associated with *luname*.

9218I RECOVERY COMPLETE FOR LU *luname***Written to:**

Operator console.

Explanation:

An attempt to allocate an SFF subsystem support conversation to logical unit *luname* by the OCF subsystem was successful.

System Action:

Operation continues.

Operator Response:

None.

**9219I *locapplid* HAS BEEN REQUESTED FROM *remapplid* TO MARK *ssid*
(*jobname/jesid/sysname/ascb*)|(XCF/XCF member/XCF token)
AS *status***

Written to:

SYSLOG, JESMSG LG.

Explanation:

The Beta system with the local OCF APPLID *locapplid* was requested by the remote OCF *remapplid* of the OCF network to set the supported subsystem ID *ssid* on this system to status *status*. Here, *status* can be **active**, **noaccess** or **inactive**. The following job information is supplied in addition to the subsystem ID:

<i>jobname</i>	Job name of the Beta STC in accordance with the subsystem ID, or with XCF if the SSID is in a sysplex
<i>jesid</i>	JES ID of the Beta STC, or XCF member name if the subsystem concerned is an XCF-initialized subsystem ID in a sysplex
<i>sysname</i>	System name on which the Beta STC is active, or XCF member token if the subsystem concerned is an XCF-initialized subsystem ID in a sysplex
<i>ascb</i>	ASCB address of the Beta STC or blank if the subsystem concerned is an XCF-initialized subsystem ID in a sysplex
<i>XCF member</i>	XCF member name given to the SSID when it joined XCF
<i>XCF token</i>	XCF token created by XCF for the SSID that joined under <i>membername</i>

System Action:

The status is set. If the status sets successfully, message 9215I is issued. Whatever the case, the system continues operating.

Operator Response:

None.

9220I OCF ACB SUCCESSFULLY OPENED, *applid,acb,netid,sscpid,vrm***Written to:**

Operator console.

Explanation:

The OCF has successfully opened services to the SNA network. The fields which describe the SNA environment are as follows:

<i>acb</i>	VTAM ACB name passed back from VTAM
<i>netid</i>	SNA network name to which this application is attached
<i>sscpid</i>	SNA system services control point name to which this application is attached
<i>vrm</i>	Current VTAM version, release, and modification level

System Action:

Operation continues. As of this point the OCF subsystem is ready to process APPC requests and communicate across the SNA network.

Operator Response:

None.

9221E LU *Luname* ACB OPEN ERROR (*rc*)**Written to:**

Operator console.

Explanation:

The OCF could not open services to the SNA network during ACB OPEN operating according to VTAM. Here *rc* is the return code passed back from the ACB OPEN processing (ACBERFLG).

System Action:

OCF subsystem initialization is abnormally terminated.

Operator Response:

Consult the IBM manual *VTAM Programming for LU6.2* for more information. Most likely sources of error may be found in:

- VTAM definitions in the SYS1.VTAMLST dataset or another dataset concatenated in the NET procedure
- OCF statements in the BETA.PARMLIB member in use for the Beta product or facility
- incorrectly activated VTAM node

```

9221I ----- DISPLAY DATA OF OCF CONNECTIONS -----
9221I LOCAL REMOTE STATUS LOCAL CONVERSE RU RETRY SESS LOGMODE
9221I SSID SSID LOC REM CON APPLID APPLID SIZE CNT ACNT INT
9221I -----
9221I lssid rssid loc rem con lapplid rapplid rusz cnt acnt int sess
      Logmode
9221I -----
9221I RSB-ENTRIES:
9221I SSID: rssid STATUS: status SYSTEM : sysname
9221I RST/LST-ENTRIES:
9221I APPL: rapplid STATUS: status
9221I LST : lassid STATUS: status JOBNAME: jobname JESID: jesid
9221I SYSTEM: asysname ASCB: ascb
9221I LST : lassid STATUS: status MEMBER: membername TOKEN: token
9221I ----- END OF DATA-----
-OR-
9221I ----- DISPLAY DATA OF OCF CONNECTIONS -----
9221I LOCAL REMOTE STATUS LOCAL CONVERSE RETRY SESS IP-ADDRESS
9221I SSID SSID LOC REM CON APPLID APPLID CNT ACNT INT
9221I -----
9221I lssid rssid loc rem con lapplid rapplid cnt acnt int ipaddress
9221I -----
9221I RSB-ENTRIES:
...

```

Written to:

SYSLOG, JESMSGLG.

Explanation:

The MODIFY command `F stcname,DISPLAY OCF,ALL` has been entered. All the relevant information on existing OCF connection(s) is output as follows:

<i>lssid</i>	Local subsystem ID from the LST parameter OCF_LOCAL_SYSTEM When the subsystem ID of the Beta started task is used, an asterisk (*) is displayed here, e.g. <i>B02A*</i> . # following the SSID means that this is an XCF-initialized SSID.
<i>rssid</i>	Remote subsystem ID supported via this OCF connection. # following the SSID means that this is an XCF-initialized SSID.

<i>loc</i>	<p>Status of the local subsystem ID:</p> <p>ACT Active</p> <p>INA Inactive</p> <p>RTY Retry</p> <p>PND Pending</p>
<i>rem</i>	<p>Status of the remote subsystem ID:</p> <p>ACT Active</p> <p>INA Inactive</p> <p>RTY Retry</p> <p>REX Retry exceeded</p> <p>PND Pending</p> <p>When RTY or REX is displayed, an asterisk (*) will be displayed in the lines RSB-ENTRYS and RST/LST-ENTRYS. The information displayed in these lines then shows the status of the previous OCF connections and subsystems.</p>
<i>con</i>	<p>Status of the OCF connection:</p> <p>ACT Active</p> <p>INA Inactive</p> <p>RTY Retry</p> <p>REX Retry exceeded</p> <p>PND Pending</p> <p>When RTY or REX is displayed, an asterisk (*) will be displayed in the lines RSB-ENTRYS and RST/LST-ENTRYS. The information displayed in these lines then shows the status of the previous OCF connections and subsystems.</p>
<i>lapplid</i>	<p>Local OCF APPLID</p> <p>If OCF via TCP/IP: identifier of the TCP/IP port connection. The name (mm#nnnnn) consists of the number 00 plus the separator # plus the port number specified in the LST parameter BSA_OCF_TCPIP_PORT, for example, 00#65004.</p>
<i>rapplid</i>	<p>Remote OCF APPLID, as specified in the LST parameter OCF_CONVERSE</p> <p>If OCF via TCP/IP: identifier of the TCP/IP port connection. The name (mm#nnnnn) consists of a two-digit sequential number plus the separator # plus the port number specified in the LST parameter BSA_OCF_TCPIP_CONVERSE, for example, 01#65014.</p>

<i>rusz</i>	Size of the used RU size for this OCF connection
<i>cnt</i>	Number of Retry cycles as specified by LST parameter OCF_CONVERSE or BSA_OCF_TCPIP_CONVERSE
<i>acnt</i>	Current number of executed retry attempts
<i>int</i>	Size of the interval between two retry attempts as specified by LST parameter OCF_CONVERSE or BSA_OCF_TCPIP_CONVERSE
<i>sess</i>	Number of defined sessions as specified by LST parameter OCF_CONVERSE
<i>log mode</i>	Name of the log mode used for the connection. The value must always be APPC01
<i>status</i>	Status of <i>rssid</i> , <i>rapplid</i> or <i>lassid</i>
<i>sysname</i>	Name of the system on which the <i>rssid</i> is located.
<i>lassid</i>	Local subsystem ID supported by OCF APPLID <i>rapplid</i>
<i>job name</i>	Job name of the Beta STC in accordance with the subsystem ID
<i>jесid</i>	JES ID of the Beta STC
<i>membername</i>	XCF member name given to the SSID when it joined XCF.
<i>asysname</i>	System name on which the Beta STC with the subsystem ID <i>lassid</i> is active.
<i>token</i>	XCF token created by XCF for the SSID that joined under <i>membername</i> .
<i>ascb</i>	ASCB address of the Beta STC
<i>ipaddress</i>	IP address of the connection

System Action:

The system continues operating.

Operator Response:

None.

```

9222I ----- DISPLAY DATA OF OCF CONNECTIONS -----
9222I LOCAL REMOTE STATUS LOCAL CONVERSE
9222I SSID SSID LOC REM CON APPLID APPLID
9222I -----
9222I lssid rssid loc rem con lapplid rapplid
9222I ----- END OF DATA -----
    
```

Written to:

Operator console, SYSLOG, JESMSG LG.

Explanation:

The Operator Modify command 'F *betastc*,D OCF' has been entered. All relevant information on the existing OCF connection(s) is issued. The meanings are as follows:

<i>lssid</i>	Local subsystem ID from the LST parameter OCF_LOCAL_SYSTEM		
<i>rssid</i>	Remote subsystem ID, which is supported via this OCF connection		
<i>loc</i>	Status of the local subsystem ID	ACT	Active
		INA	Inactive
		RTY	Retry
		PND	Pending
<i>rem</i>	Status of the remote subsystem ID	ACT	Active
		INA	Inactive
		RTY	Retry
		REX	Retry exceeded
		PND	Pending
<i>con</i>	Status of the OCF connection	ACT	Active
		INA	Inactive
		RTY	Retry
		REX	Retry exceeded
		PND	Pending
<i>lapplid</i>	Own local OCF APPLID		
<i>rapplid</i>	Remote OCF APPLID, which was specified in the LST parameter OCF_CONVERSE		

System Action:

The system continues operating.

Operator Response:

None.

9223I *locapplid* NOTIFIES *remapplid* THAT *ssid* (*jobname/jesid/sysname/ascb*)|(XCF/XCF member/XCF token) IS TO BE MARKED AS *status*

Written to:

SYSLOG, JESMSG LG.

Explanation:

The status of the local subsystem ID *ssid* supported in the OCF network has been altered. The remote OCF APPLID *remapplid* of the OCF network is requested via the local OCF APPLID *locapplid*, to set the supported subsystem ID *ssid* on the remote system of the OCF APPLID *remapplid* to the status *status*. In this case, *status* can be active or inactive. The corresponding job information is issued as follows in addition to the subsystem ID:

<i>jobname</i>	Job name of the Beta STC in accordance with the subsystem ID in an OCF LU2 complex.
<i>jesid</i>	JES ID of the Beta STC in an OCF LU2 complex.
<i>sysname</i>	System name on which the Beta STC is active in an OCF LU2 complex.
<i>ascb</i>	ASCB address of the Beta STC in an OCF LU2 complex.
<i>XCF member</i>	XCF member name given to the SSID when it joined XCF.
<i>XCF token</i>	XCF token created by XCF for the SSID that joined under <i>membername</i> .

System Action:

The system continues to work. The message 9219I appears on the remote system with the OCF APPLID *remapplid*.

Operator Response:

None.

9225I SFF PIPE CONNECTED TO LU *luname* (*external function name/internal function name*)

Written to:

Operator console.

Explanation:

The OCF has allocated an SFF Program Interchange Processing Element (PIPE) to logical unit *luname*.

System Action:

Operation continues. As of this point SFF Work Queue Elements (WQEs) can be passed to and from local SFF subsystems running on this machine to remote SFFs connected to the machine processing *luname*.

Operator Response:

None.

9226I SFF PIPE DISCONNECTED FROM LU *luname* (STAT: *status*)**Written to:**

Operator console.

Explanation:

The OCF has deallocated an SFF Program Interchange Processing Element (PIPE) from logical unit *luname*. *status* describes the status at termination, which can be used for analysis.

System Action:

Operation continues. As of this point SFF Work Queue Elements (WQEs) can no longer be passed to and from local SFF subsystems running on this machine to remote SFFs connected to the machine processing *luname*.

Operator Response:

None.

9227I UNCHAIN WQE NOT POSSIBLE (*adr1/adr2*)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

When a system holding an OCF connection was shut down, the requests queued to this particular OCF system could not be removed properly. The information provided by *Adr1* and *Adr2* is used by Beta for internal evaluation purposes.

System Action:

The system shuts down normally.

Operator Response:

None.

9228W CONNECT-TIMEOUT-LIMIT HAS BEEN REACHED, FUNCTION *name* IS WAITING FOR SHUTDOWN**Written to:**

SYSLOG, JESMSGLG.

Explanation:

A TCP/IP connect has been executed. The time allowed to establish the TCP/IP connection has been exceeded and the request has been canceled. *name* is the name of the function used for the connection. Use the following command to find out more about the function:

```
F stcname,TL
```

System Action:

The request has been interrupted. It involves the product reaction in the course of the processing.

Operator Response:

Determine the reason for the error and eliminate it.

9228I TCPIP SEND MODE *type* HAS BEEN ACTIVATED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA TCP/IP server has been started. *type* is the communication type used when sending data.

SYNCHRONOUS	The entire SFF group that includes the sending function pauses until the send process has finished successfully.
ASYNCHRONOUS	Only the sending function within the SFF group pauses until the send process has finished successfully. Other functions within this SFF group can continue working in parallel. ASYNCHRONOUS is the default.

System Action:

The system continues processing.

Operator Response:

None.

**9230I 'source LU luname'-'destination LU luname' REQUESTED BIND-VALUES:
LOGMODE *name* RUSIZE *size* PACING (*xx,yy,zz,nn*)****Written to:**

Operator console.

Explanation:

Some BIND parameters which are necessary to activate a session are displayed. The parameters come from the logmode which is entered beforehand for the source LU (logical unit).

LOGMODE	The name of the LOGMODE must always be APPC01.
RUSIZE	The RU size is as has been defined in the LOGMODE.
PACING	The PACING values entered in the LOGMODE:
xx	Content of the parameter SNDPAC
yy	Content of the parameter SRCVPAC
zz	Content of the parameter PSNDPAC
nn	Value used to RECEIVE the primary logical unit, PLU (internally used parameter)

System Action:

Operation continues.

Operator Response:

None.

**9231I 'source LU luname'-'destination LU luname' REQUESTED CONV- VALUES:
SESSION number RTYINT time RTYCOUNT number MAXDATA size ACTS
(parameter)**

Written to:

Operator console.

Explanation:

This message comes up when establishing a connection between OCF nodes.

SESSION	the number of defined sessions
RTYINT	the time of the retry interval displayed in seconds
RTYCOUNT	the number of repetitions of the retry interval
MAXDATA	the maximum size of the VTAM buffer displayed in bytes. When 0 is displayed here, the size used in the RUSIZE parameter of the LOGMODE APPC01 comes into effect.
ACTS (Y)	The value entered for MAXDATA in the keyword OCF_CONVERSE or the RUSIZE value entered in the LOGMODE APPC01 of the MODETAB definition is active.
(N)	The value entered for MAXDATA in the keyword OCF_CONVERSE or the RUSIZE value entered in the LOGMODE APPC01 of the MODETAB definition is not active.

System Action:

Operation continues.

Operator Response:

None.

**9232I 'source LU luname'-'destination LU luname' RUSIZE CHANGED FROM
size1 TO size2**

Written to:

Operator console.

Explanation:

In the OCF_CONVERSE statement a MAXDATA value has been entered. The value entered does not tally with the RUSIZE value entered in the LOGMODE APPC01. The RUSIZE value in the LOGMODE APPC01 is replaced by the value used in MAXDATA before the connection was established.

System Action:

Operation continues.

Operator Response:

None.

9240I SFF PIPE CONNECTION IN PROGRESS (*external function name/internal function name*)**Written to:**

Operator console.

Explanation:

The system is trying to establish a connection between two OCF nodes. The receiver is waiting for the sender to be ready. The default maximum waiting time (TIMEOUT) is 2 minutes. If the connection has not been established within the set time, the message 9241E appears. When the connection is successfully established, the message 9225I will come up.

System Action:

Operation continues.

Operator Response:

None.

9241E SFF PIPE CONNECTION FAILED (*external function name/internal function name*)**Written to:**

Operator console.

Explanation:

The connection between the OCF nodes could not be established. The default maximum waiting time of 2 minutes has been exceeded. A TIMEOUT occurs while waiting for the sender to be ready.

System Action:

A connection between the OCF nodes could not be established. The started task continues to be in operation.

Operator Response:

Check the following: the LST parameter, the definition of the VTAM application, the job log of the started task to which the connection is to be established.

**9242I SFF PIPE CONNECTION TO '*destination LU Luname*' IS IN PROGRESS
(*external function name/internal function name*)****Written to:**

Operator console.

Explanation:

The system is trying to establish a connection between two OCF nodes. The sender is waiting for the receiver to be ready. The default maximum waiting time is 2 minutes. If the connection has not been established within the set time, the message 9241E appears.

System Action:

Operation continues.

Operator Response:

None.

9243E SFF PIPE CONNECTION TO '*source LU Luname*' FAILED (*external function name/internal function name*)**Written to:**

Operator console.

Explanation:

The connection between the OCF nodes could not be established. The default maximum waiting time of 2 minutes has been exceeded. A TIMEOUT occurs when waiting for the receiver to be ready for the connection.

System Action:

Operation continues.

Operator Response:

None.

9244I [BSA OCF] TCP/IP ROUTER HAS BEEN STARTED SUCCESSFULLY (*ptfnumber*)**Written to:**

SYSLOG, JESMSG LG, PMSLOG.

Explanation:

This informational message indicates that the BSA OCF TCP/IP server or the BSA TCP/IP server has been activated. For information on the relevant LST parameters, see the *BSA Installation and System Guide*.

System Action:

The system continues processing.

Operator Response:

None.

9245E VERSION CONFLICT SFF PIPE CONNECTION TO LU *applid: information data***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The modules which are used for the connection of the two systems differ in their version numbers. In any case, a connection will be attempted. *information data* specifies the contents of the data record last transferred.

System Action:

Operation continues but unforeseen results may occur.

Operator Response:

Make sure that only same version modules are used.

9245I SUPPORT OF JBQL AND AT-TLS POLICY IS POSSIBLE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The PTF package with these BSA TCP/IP server functions has been installed:

- Ability to communicate with JavaBSA applications
- Support of SSL/TLS via AT-TLS of the z/OS Communications Server

System Action:

The system continues processing.

Operator Response:

None.

9246I OCF-LU *Luname* IS WAITING FOR WORK (*external function name/internal function name*)**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The OCF pipe connection has been properly established and is ready to work. When this message and message **SFF pipe connected** are displayed, the OCF connection has been successfully set up.

System Action:

None.

Operator Response:

None.

9247I OCF-LU *luname* GETS THE FIRST RECEIVE REQUEST (*external function name/internal function name*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

An OCF connection has been successfully established. The first request has just arrived at the OCF-LU *luname*. This message serves to indicate the process of the program.

System Action:

None.

Operator Response:

None.

9248E OCF-LU *luname* TIMEOUT-LIMIT FOR WAITING OF RECEIVER HAS BEEN REACHED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Starting the system will activate the send and receive functions. The receiver is not ready for operation. The system (timeout-limit) checks every 30 seconds whether the receiver is ready to work.

System Action:

An OCF connection has failed to establish. Starting work with the OCF is not viable.

Operator Response:

Restart the OCF.

9248E TCP/IP ROUTER: LOGON SECURITY RULES INVALID (RACF: *racf* / UXSIN: *uxin*)- LOGON MAY FAIL**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The TCP/IP server has been started. The password settings defined in RACF have been checked, and the password settings of the security exit B02UXSIN have been checked. There is a conflict between both settings. Successful logon may be impossible.

<i>racf</i>	refers to the rules defined in RACF:
MC	Mixedcase passwords allowed
UC	Only uppercase passwords allowed
SPC	Special character passwords allowed
USE ACF2	ACF2 is used as security system; more detailed information not possible
USE TSS	Top Secret is used as security system; more detailed information not possible
UNKNOWN	RACF settings could not be retrieved (No RACF security server?)
<i>uxin</i>	refers to the rules used by B02UXSIN (The exit can set rules automatically in accordance with RACF settings, or rules can be set via manual modification. For more information, see the description of the exit.)
MC	Mixedcase passwords allowed
UC	Only uppercase passwords allowed
SPC	Special character passwords allowed
PHRASE	Passphrases allowed
APPL	Application check is carried out
RACC	Settings of the exit are determined by the settings in RACF
NOFUNC	Exit has no functionality
NOCHECK	No password check is carried out
DENIED	All passwords are denied by the exit
NOPHR	Passphrases are denied by the exit (even if allowed by RACF)
N/A	Not possible to retrieve all settings of the exit (The exit does not conform to BSA level 1461-03 or later.)

System Action:

The system continues processing.

Operator Response:

None if this is what you want. Otherwise check the source code of the exit and correct the affected settings. Re-compile the exit and then reinitialize the subsystem with BST01ARI and the newly compiled B02UXSIN. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

9248W OCF-LU Luname IS WAITING FOR THE RECEIVER (*number of checks*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The system checks every second whether the receiver has been activated and is ready to work. After having checked this 30 times, the message 9248E will come up.

System Action:

Operation continues.

Operator Response:

None.

9248I TCP/IP ROUTER: LOGON SECURITY RULES AVAILABLE (RACF: *racf* / UXSIN: *uxin*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The TCP/IP server has been started. The password settings defined in RACF have been checked, and the password settings of the security exit B02UXSIN have been checked. There is no conflict between their settings.

<i>racf</i>	Refers to the rules defined in RACF:
MC	Mixedcase passwords allowed
UC	Only uppercase passwords allowed
SPC	Special character passwords allowed
USE ACF2	ACF2 is used as security system; more detailed information not possible
USE TSS	Top Secret is used as security system; more detailed information not possible
UNKNOWN	RACF settings could not be retrieved (No RACF security server?)

<i>uxin</i>	Refers to the rules used by B02UXSIN (The exit can set rules automatically in accordance with RACF settings, or rules can be set via manual modification. For more information, see the description of the exit.)
MC	Mixedcase passwords allowed
UC	Only uppercase passwords allowed
SPC	Special character passwords allowed
PHRASE	Passphrases allowed
APPL	Application check is carried out
RACC	Settings of the exit are determined by the settings in RACF
NOFUNC	Exit has no functionality
NOCHECK	No password check is carried out
DENIED	All passwords are denied by the exit
NOPHR	Passphrases are denied by the exit (even if allowed by RACF)
N/A	Not possible to retrieve all settings of the exit (The exit does not conform to BSA level 1461-03 or later.)

System Action:

The system continues processing.

Operator Response:

None.

9250A TCP/IP ROUTER: SPECIFY ADDITIONAL PARAMETERS OR REPLY END**Written to:**

Operator console.

Explanation:

A MODIFY command for a BSA TCP/IP server has been entered. The parameter MORE has also been entered. You may now enter more parameters for the command. When all the parameters for the command have been entered, reply to this message 9250A END. The command will then be processed. For more information on MODIFY command for the BSA TCP/IP server, see the *BSA Installation and System Guide*.

System Action:

The system will not process the entered MODIFY command until END has been sent.

Whenever a new parameter for the MODIFY command has been entered correctly, the message 9250A comes up.

Whenever a new parameter for the MODIFY command has been entered incorrectly, the message 9255E comes up.

Operator Response:

Enter additional parameters for the command or reply END.

9250E TCP/IP ROUTER: THE PORT NUMBER OF KEYWORD *keyword* (*number.Port-Statement*) REACHED MAXIMUM OF 65535**Written to:**

Operator console.

Explanation:

An attempt has been made to activate the BSA TCP/IP server while starting a Beta subsystem or initiating/stopping the BSA TCP/IP server via a MODIFY command. The wrong port number *port* can be found in the LST keyword *keyword*. The displayed number is the number of the keyword within the entire LST parameter member pool. The port number entered for the server exceeds the maximum of 65535. The wrong port number *port* may be contained in:

- LST parameter [Bnn_]TCPIP_PORT
- LST parameter [Bnn_]TCPIP_PORT_RDR
- PORT parameter of the MODIFY command for starting or stopping the BSA TCP/IP server

System Action:

The BSA TCP/IP server with the port number *port* will not be started or stopped. The subsystem continues processing.

Operator Response:

Correct the wrong port number *port* in the LST parameter or MODIFY command. See the *BSA Installation and System Guide* for more information. Then restart or stop the BSA TCP/IP server.

9250I TCP/IP ROUTER: PORT *port* IS ALREADY ACTIVE**Written to:**

Operator console.

Explanation:

An attempt was made to start the BSA TCP/IP server with the port number *port*. This port is already used by another active instance of the BSA TCP/IP server.

System Action:

None. The system continues processing.

Operator Response:

Enter an unused port number or check why the port *port* is in use.

9251E TCP/IP ROUTER: SERVER CLIENT GROUP *name* HAS NOT BEEN STARTED**Written to:**

Operator console, PMSLOG.

Explanation:

An attempt was made to start a TCP/IP server with the port number *port* via the MODIFY command. Previously a TCP/IP server with the same port number has been activated. This active TCP/IP server has been stopped or ended abnormally via the MODIFY command. When the TCP/IP server has been stopped, not all of the server functions could be stopped as normal. The server could not be restarted successfully.

name Name of the group in the format *type_hport* where:

type Application type

hport Server port number in hexadecimal format

Example: OSY_2710 (i.e. decimal port number 10000)

System Action:

The subsystem continues processing. The TCP/IP server cannot be started correctly.

Operator Response:

Stop the TCP/IP server and restart it via the MODIFY command. See also the *BSA Installation and System Guide* for more information.

9251W TCP/IP ROUTER: SERVER CLIENT GROUP *name* HAS NOT BEEN STOPPED | FORCED (RC: *rc*)**Written to:**

Operator console, PMSLOG.

Explanation:

A MODIFY command for stopping/forcing the TCP/IP server with the port number *port* has been entered. See the *BSA Installation and System Guide* for more information. The command could not be processed. *rc* shows the specific return code.

name Name of the group in the format *type_hport* where:

type Application type

hport Server port number in hexadecimal format

Example: OSY_2710 (i.e. decimal port number 10000)

System Action:

The command could not be processed. The subsystem is in operation.

Operator Response:

Determine the reason for the error, eliminate it, and re-enter the command. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9251I TCP/IP ROUTER: SERVER CLIENT GROUP *name* HAS BEEN STOPPED | FORCED**Written to:**

SYSLOG, JESMSG LG, PMSLOG.

Explanation:

An operator MODIFY command for stopping/forcing the TCP/IP server with the port number *port* has been entered (see "Operator commands for the TCP/IP server" in *BSA Installation and System Guide*).

System Action:

The client group belonging to the TCP/IP server with the name *name* has been stopped. Users cannot log onto the system via this TCP/IP server. After the client group has been stopped, the TCP/IP server will also be interrupted and this message 9251I will be displayed.

name Name of the group in the format *type_hport* where:

type Application type

hport Server port number in hexadecimal format

Example: OSY_2710 (i.e. decimal port number 10000)

Operator Response:

None.

9252E TCP/IP ROUTER: THE *value* VALUE OF THE KEYWORD *keyword* (*number* Port-Statement) *description***Written to:**

SYSLOG, JESMSG LG.

Explanation:

An attempt was made to activate a BSA TCP/IP server. Some LST keyword errors occurred. *number* shows the number of same keywords which appear within the entire LST parameter member. The one of the following values may appear: PORT, IPADDR, IP-TASK, any keyword name. For description one of the following may appear: MUST BE NUMERIC, IS MISSING OR INVALID, IS INVALID.

System Action:

The server has not been activated.

Operator Response:

Determine the reason for the error and eliminate it.

9252W TCP/IP ROUTER: SERVER FUNCTION *name* HAS NOT BEEN STOPPED | FORCED (RC: *rc*)**Written to:**

Operator console, PMSLOG.

Explanation:

A MODIFY command for stopping/forcing the TCP/IP server has been entered. The command could not be processed. *rc* shows the specific return code.

System Action:

The command could not be processed. The subsystem is in operation.

Operator Response:

Determine the reason for the error, eliminate it, and re-enter the command. See the *BSA Installation and System Guide* for more information. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9252I TCP/IP ROUTER: SERVER FUNCTION *name* HAS BEEN STOPPED | FORCED**Written to:**

SYSLOG, JESMSG LG, PMSLOG.

Explanation:

An operator MODIFY command for stopping/forcing the TCP/IP server has been entered. Refer to the *BSA Installation and System Guide* for more information.

System Action:

The server group belonging to the TCP/IP server with the name *name* has been stopped. The entire TCP/IP server and the port entered in the command are inactive. Users cannot log on to the system via this TCP/IP server. Message 9268I will come up.

Operator Response:

None.

9253E TCP/IP ROUTER: SERVER-GROUP *name* HAS NOT BEEN STARTED**Written to:**

Operator console, PMSLOG.

Explanation:

The TCP/IP server is to be activated via the relevant keywords in the LST parameter of the subsystem or via an operator MODIFY command. See the *BSA Installation and System Guide* for more information.

The TCP/IP server could not be started because the server group *name* necessary for the TCP/IP server could not be initialized. Either the group is active or an unforeseen error has occurred. *rc* shows the specific return code.

System Action:

The command could not be processed. The subsystem is in operation.

Operator Response:

Determine the reason for the error, eliminate it, and re-enter the command. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9253W BSA OCF TCP/IP | TCP/IP ROUTER: SERVER FUNCTION FOR PORT *port* HAS NOT BEEN STARTED**Written to:**

Operator console, PMSLOG.

Explanation:

The TCP/IP server is to be activated via the relevant keywords in the LST parameter of the subsystem or via an operator MODIFY command. See the *BSA Installation and System Guide* for more information.

The TCP/IP server could not be started because the function *name* necessary for the TCP/IP server could not be initialized. Either the function is already active or an unforeseen error has occurred. *rc* shows the specific return code.

System Action:

The requested action could not be processed. The system continues processing.

Operator Response:

Determine the reason for the error, eliminate it, and re-enter the command. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9253I TCP/IP ROUTER: SERVER FUNCTION *name* FOR PORT *port* IS NOT ACTIVE**Written to:**

Operator console, PMSLOG.

Explanation:

An operator MODIFY command for stopping/displaying etc. a TCP/IP server with the port number *port* has been entered. The function *name* for the TCP/IP server could not be found.

name Name of the group in the format *type_hport* where:

type Application type

hport Server port number in hexadecimal format

Example: OSY_2710 (i.e. decimal port number 10000)

System Action:

The command could not be processed. The system is in operation.

Operator Response:

Determine the reason for the error, eliminate it, and re-enter the command.

9254E BSA OCF TCP/IP | TCP/IP ROUTER FUNCTION ENDED ABNORMALLY**Written to:**

Operator console, PMSLOG.

Explanation:

The TCP/IP router, which is absolutely necessary for all functions of the TCP/IP server, ended abnormally due to a severe error. No activity related to the TCP/IP server of the subsystem is possible. All groups and functions of the TCP/IP server are active, but do not function.

System Action:

The system continues processing, but the TCP/IP server is restricted in its functionality.

Operator Response:

Determine the reason for the error, eliminate it, and restart the TCP/IP server/router via the MODIFY command `F stcname,RESTART TCPRouter`. Also refer to the *BSA Installation and System Guide*. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9254I BSA OCF TCP/IP | TCP/IP ROUTER FUNCTION ENDED NORMALLY**Written to:**

Operator console, PMSLOG.

Explanation:

The subsystem has been stopped. All TCP/IP server components (the server, the client as well as the router) ended normally. All users logged onto the system via the TCP/IP server(s) concerned are automatically ejected.

System Action:

The subsystem is stopped.

Operator Response:

None.

9255E INVALID PARM(S) IN TCP/IP COMMAND**Written to:**

Operator console, PMSLOG.

Explanation:

An operator MODIFY command for a TCP/IP server has been entered. Wrong parameters have been entered. See the *BSA Installation and System Guide* for more information.

System Action:

The command could not be processed.

Operator Response:

Enter the correct command.

9255I ACCEPTED TCP/IP COMMAND: *command***Written to:**

Operator console, PMSLOG.

Explanation:

A MODIFY command for a TCP/IP server has been entered. The command entered is displayed in this message.

System Action:

None.

Operator Response:

None.

9255I TCP/IP ROUTER RESTART COMPLETE**Written to:**

Operator console, PMSLOG.

Explanation:

The TCP/IP router has been successfully activated via the MODIFY command RESTART TCPRouter. Other commands for TCP/IP servers can now be entered. The TCP/IP servers that are already active are in operation.

System Action:

The subsystem is in operation.

Operator Response:

None.

9256E TCP/IP REQUESTED COMMAND-EXECUTION ENDED WITH RC: *rc***Written to:**

SYSLOG, JESMSG LG, PMSLOG.

Explanation:

The entered MODIFY command could not be processed. A severe error occurred. *rc* shows the relevant return code.

System Action:

The command could not be processed. The system continues processing.

Operator Response:

Determine the reason for the error, eliminate it, and re-enter the command. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9257E TCP/IP ROUTER COULD NOT BE STARTED**Written to:**

Operator console, PMSLOG.

Explanation:

The MODIFY command `F stcname,RESTART TCPRouter` has been entered. The router could not be started due to a severe error. No activities related to the TCP/IP server(s) of the subsystem are possible.

System Action:

The command could not be processed. The system continues processing.

Operator Response:

Determine the reason for the error, eliminate it, and re-enter the command. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9257I TCP/IP ROUTER IS ALREADY ACTIVE**Written to:**

Operator console, PMSLOG.

Explanation:

The MODIFY command `F stcname,RESTART TCPRouter` has already been entered. The router is already active.

System Action:

None.

Operator Response:

None.

9258E BSA OCF TCP/IP COMMUNICATION FUNCTION *funcname* (PGM *pgm*) ENDED ABNORMALLY**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA X-System Router communication function *funcname* has ended abnormally.

System Action:

The active request could not be processed. The affected connection is terminated. The subsystem is in operation.

Operator Response:

Restart the BSA X-System Router to re-establish the connection. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9258I TCP/IP ROUTER HAS BEEN STOPPED | FORCED | NOT STOPPED | NOT FORCED**Written to:**

Operator console, PMSLOG.

Explanation:

An operator MODIFY command for stopping the TCP/IP router has been entered (also see the *BSA Installation and System Guide*). The result of the command is displayed in this message text.

System Action:

None.

Operator Response:

None.

9259E TCP/IP ROUTER: REQUESTED FUNCTION IS UNKNOWN**Written to:**

SYSLOG, JESMSG LG, PMSLOG.

Explanation:

An invalid request has been sent to the TCP/IP router.

System Action:

The request could not be processed. The system continues processing.

Operator Response:

If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9259I TCP/IP ROUTER: THE KEYWORD *keyword* HAS BEEN IGNORED (INVALID ENVIRONMENT)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The system has tried to activate a server port with the help of the keyword *keyword*. To be able to activate the keyword the environment batch (main program BST01RFF) must be available.

System Action:

The port has not been activated.

Operator Response:

Use the correct environment.

9260E SERVER(*port/extfuncname/time/app*): THE VALUE value OF THE KEYWORD keyword description**Written to:**

Operator console, PMSLOG.

Explanation:

While starting the TCP/IP server with the port number *port* via the relevant keywords in the LST member or via an operator MODIFY command, incorrect values have been detected.

<i>port</i>	Port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>value</i>	Shows the incorrect value
<i>keyword</i>	Shows the respective keyword where the error originated
<i>description</i>	Shows the type of the error, for example, TOO LONG or NOT NUMERIC

System Action:

The TCP/IP server has not been activated. The subsystem is in operation.

Operator Response:

Enter the correct values and restart the TCP/IP server, for example, via an operator MODIFY command. Refer to the *BSA Installation and System Guide* for more information.

9260W SERVER(*port/app*): THE MAXIMAL NUMBER *number* OF CLIENT GROUPS HAS BEEN CHANGED TO 26**Written to:**

Operator console, JESMSGLG.

Explanation:

A port has been started for the BSA TCP/IP server, where keyword *Bnn_TCPIP_MAX_CLIENT_GROUPS=number* or *Bnn_TCPIP_MAX_CLIENT_GROUPS_app=number* specifies that several SFF client groups are to be created. However, the number specified exceeds the permitted maximum value.

System Action:

The specified value is reset to the maximum permitted value, and the maximum permitted number of SFF client groups will be generated.

Operator Response:

None.

**9260I SERVER(*port/app*) IS WAITING FOR WORK FOR *addon* (*taskname* /
IPA#*n*: *ipa*)****Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

A TCP/IP server with the displayed port number and port application has been started for the product add-on *addon*.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>addon</i>	Product application (3-character application name (add-on) plus 2-digit product number)
<i>taskname</i>	Name of the z/OS TCP/IP started task that is used by the BSA TCP/IP server
IPA# <i>n</i>	<i>n</i> is the number of the entry in the internal resolution table IPA# <i>n</i> in message 9260I corresponds to the IPA# <i>n</i> in message 9262I, which provides details on the DNS resolution and other information on the IP address <i>ipa</i> .
<i>ipa</i>	IP address that is used by the BSA TCP/IP server

System Action:

The TCP/IP server is now ready for processing requests.

Operator Response:

None.

9261E SERVER(*port/app*): TCP/IP *taskname* IS NOT ACTIVE (ERROR: *error*)

9261E SERVER(*app*): OMVS SEGMENT IS NOT DEFINED (ERROR: *error*)

Written to:

Operator console, PMSLOG.

Explanation:

The following error was encountered while starting a TCP/IP server or X-System Router:

- The specified TCP/IP started task *taskname* necessary for accessing the TCP/IP stack is not active.
- The OMVS segment is not defined.

port Port number

app Application name (add-on) of the port or **BSA** if a global port is used

error Error code (See your IBM manuals for more information on TCP/IP error codes.)

System Action:

If the TCP/IP started task is not active, the system will try to restart the TCP/IP server or BSA X-System Router according to the values defined in the corresponding LST parameter. For more information, see *BSA Installation and System Guide*. The subsequent message 926I shows the current retry values. If the OMVS segment is not defined, there will be no retry.

Operator Response:

Activate the TCP/IP started task *taskname*.

-OR-

Define the OMVS segment and restart the TCP/IP server / BSA X-System Router.

9261E SERVER(*port/app*): TCP/IP *taskname* IS NOT ACTIVE (ERROR: *error*) OR RESOLVER ERROR**Written to:**

SYSLOG, JESMSG LG.

Explanation:

An error has occurred during the execution of a command for XCF (IXCMSSGO/IXCMSSGOX). Even after a renewed attempt, the required message buffer in XCF was temporarily unavailable. For details, see preceding message 9114Y.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used

System Action:

The system continues processing. The request initiated by the product is not executed. An appropriate error is returned to the originating product.

Operator Response:

Determine the reason for the error and eliminate it. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9261W SERVER(*port/app*): *addon* - FUNCTION 'AT-TLS SUPPORT' IN EFFECT (TYPE: TTLS-ENABLED/*role[auth]*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A client has carried out a connect to the AT-TLS port *port* of the TCP/IP server. *port* is a secure port, but the AT-TLS policy defined for this port does not correspond to the requirements of the BSA TCP/IP server. See message 9285I for a description of *role[auth]*.

System Action:

The system continues processing, but the TCP/IP server is unable to support the use of SSL/TLS via this port.

Operator Response:

Change the AT-TLS policy in accordance with the requirements of the BSA TCP/IP server. The following must be coded in the TTLSEnvironmentAdvancedParms section that applies to *port*:

```
ApplicationControlled On
```

Activate the changed policy and then restart the STC. Check the JESMSG LG for message 9285I for *port*, which indicates success.

9261I SERVER(*port/app*): BACKLOG VALUE *nnn* IS NOW IN EFFECT**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A Beta subsystem has been started, and the BSA TCP/IP server has been activated for port number *port* with the application *app*. The BACKLOG value set for this port by the BSA TCP/IP server is *nnn*.

The actual BACKLOG value used by the TCP/IP stack can be lower. If the SOMAXCONN parameter in the profile of this TCP/IP stack specifies a value < *nnn*, the value of the SOMAXCONN parameter will be used by the TCP/IP stack.

System Action:

The system continues processing.

Operator Response:

None.

9262E SERVER(*port/app*): BIND FAILED: *text***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA TCP/IP server has tried to bind to the address/port of a PORT LST parameter. The bind has failed. *text* describes which error occurred:

- LOGICAL ERROR (*resolveno/srchno*)
A logical error occurred while processing the resolved IP addresses.
- FAMILY - *family* RC - *rc* ERRNO - *error* IPA - *resipa*
A bind error occurred while processing the resolved IP address *resipa*.

where:

<i>resolveno</i>	Number of the entry in the internal resolution table
<i>srchno</i>	Total number of entries in the internal resolution table
<i>port</i>	Port number
<i>app</i>	shows the application name (add-on) of the port or BSA when the global port is used
<i>family</i>	Address family, which describes the IP protocol used for the IP address <i>resipa</i> 2 IPv4 19 IPv6
<i>rc</i>	Return code
<i>error</i>	TCP/IP error code
<i>resipa</i>	Resolved numeric IP address that was used Notation and separator are determined by the family.

System Action:

The bind request is terminated. Communication with the specified port *port* and the IP address *resipa* is not possible.

Operator Response:

Determine the cause of this error, eliminate it and restart the TCP/IP server. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9262W SERVER(*port/app*): *addon* - FUNCTION 'AT-TLS SUPPORT' NO LONGER IN EFFECT**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A client has carried out a connect to the AT-TLS port *port*. The policy that used to apply to this port has been removed or is no longer valid. *app* shows the application name of the port and *addon* shows the addon that was used, for example, BWE92 or OSY48.

System Action:

The connection is not established. The request is rejected.

Operator Response:

Check what caused this error and then correct it.

9262I SERVER(*port/app*): IPA#*n* - *family* / *resipa* / *ipa***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA TCP/IP server has resolved the address specified in the PORT LST parameter to the numeric IP addresses defined on the DNS.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>family</i>	Address family, which describes the IP protocol used for the IP address <i>resipa</i>
	2 IPv4
	19 IPv6
IPA# <i>n</i>	<i>n</i> is the number of the entry in the internal resolution table IPA# <i>n</i> in message 9262I corresponds to the IPA# <i>n</i> in message 9260I.
<i>resipa</i>	Resolved numeric IP address Notation and separator are determined by the family.
<i>ipa</i>	IP address from the PORT LST parameter before resolution

System Action:

Processing continues.

Operator Response:

None.

9263E SERVER(*port/app*): PROGRAM *name* COULD NOT BE FOUND**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The system has tried to activate a BSA TCP/IP server for the port *port* and the port application *app*. The program *name* necessary for the activation could not be found.

System Action:

The server has not been activated.

Operator Response:

Determine the reason for the error and eliminate it. Make sure that all product load libraries supported by the port application have been entered in the steplib or linklist.

9263W SERVER(*port/app*): *type*-EXIT *name* COULD NOT BE FOUND**Written to:**

Operator console, PMSLOG.

Explanation:

While starting the TCP/IP server, the system detects that a specific product exit for operating received and sent requests is still to be activated. The relevant exit could not yet be successfully activated by the TCP/IP server.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>type</i>	Exit type: PRODUCT-FUNCTION, BSA-LOGON, or PRODUCT-LOGON
<i>name</i>	Name of the product exit

System Action:

The function implemented in the exit could not be installed. However, the TCP/IP server will continue to work in its basic functions.

Operator Response:

Determine the reason for the error, eliminate it, and restart the TCP/IP server so that the full functionality of the TCP/IP server will be available after the restart.

**9263I SERVER(*port/app*): PROGRAM *name* | *type*-EXIT *name* [(*version*) |
LENGTH: *len*] HAS BEEN ACTIVATED**

Written to:

SYSLOG, JESMSG LG, PMSLOG.

Explanation:

While starting the TCP/IP server with the port number and port application displayed, the system detects that certain product exits for operating received and sent requests are available. The relevant exits have been successfully activated by the TCP/IP server. *type* will be replaced by the exit type, and *name* by the name of the product exit.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>type</i>	Exit type: PRODUCT-FUNCTION, BSA-LOGON, or PRODUCT-LOGON
<i>len</i>	Length of the module (only if type is BSA-LOGON)

System Action:

None.

Operator Response:

None.

9264E SERVER(*port/app*): SELECT TIMEOUT (*nn SEC./NR nzyc/SN sn*) FOR
REQUEST FROM *ipaddr:port*

9264E SERVER(*port/app*): SELECT TIMEOUT MAXSO: *mso* MAXSN: *msn*

Written to:

SYSLOG, JESMSGLG.

Explanation:

The TCP/IP server received a request generated by the client *ipaddr* with the temporary port *port*. The server initiated its server-client. The TCP/IP command to be executed by the server-client has exceeded the defined timeout *nn*.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>nzyc</i>	Number of the SELECT TIMEOUTs so far (numbers 1-5) The request ends abnormally if there are more than 5.
<i>sn</i>	Socket number for which the SELECT TIMEOUT occurred
<i>mso</i>	Highest socket number allowed to be used
<i>msn</i>	Highest socket number currently assigned

System Action:

The TCP/IP server returns to the ACCEPT status, i.e. it awaits another connect by a client.

Operator Response:

Determine why the time has been exceeded. Possibly, there is too much traffic on the network. In this case, the timeout value of the keyword *Bnn_TCPIP_TIMEOUT* should be increased.

9264W CL(*portcl-extfuncname-time-app*): Bnn.Gn LICENSE CHECK COULD BE INVALID**Written to:**

JESMSGLG, SYSLOG.

Explanation:

A problem has occurred while the TCP/IP server was carrying out the license check for the application *app*. This problem is typically caused by version inconsistencies. For example, the TCP/IP server carries out the license check request for application *app* within the BSA X-System Router, but the *BETAnn.LOAD* that used by the BSA X-System Router has a different version than the *BETAnn.LOAD* of the addressed product.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used

System Action:

The request for application *app* is refused.

Operator Response:

Determine the cause of this error, eliminate it and restart the TCP/IP server. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9265E SERVER(*port/app*): UNEXPECTED ABEND OCCURRED**Written to:**

Operator console, PMSLOG.

Explanation:

A severe error in the TCP/IP server has occurred.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used

System Action:

The TCP/IP server with the port number *port* is terminated.

Operator Response:

Determine the reason for the error, eliminate it and restart the TCP/IP server. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

**9265W CL(*portcl-extfuncname-time-app*): addon INVALID TOKEN (*urbtoken*)
DETECTED DURING LOGOFF****Written to:**

JESMSG LG, SYSLOG.

Explanation:

The system has received a request which contains an invalid or expired user logon token.

portcl Client port, i.e. the client's temporary TCP/IP port number

extfuncname Name of an externally used function

time Time when the external function was activated
(format: mm/dd/yy:hh.mm.ss)

app Application name (add-on) of the port or BSA when the
global port is used

value Shows the incorrect value

urbtoken User logon token from the request

addon Product application (3-character application name (add-on)
plus 2-digit product number)

System Action:

The request is not executed. The requestor receives internal information on the request.

Operator Response:

None.

**9265I SERVER(*port/app*): INIT TO *taskname* [(*version*)] AND IPA *ipa* (*n*)
SUCCESSFUL****Written to:**

JESMSGLG, SYSLOG.

Explanation:

A BSA TCP/IP server has been started successfully.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>taskname</i>	Name of the z/OS TCP/IP started task (TCP/IP stack)
<i>version</i>	Version of the z/OS TCP/IP started task (TCP/IP stack)
<i>ipa</i>	IP address from the PORT LST parameter before resolution
<i>n</i>	Number of the entry in the internal resolution table <i>n</i> in message 9265I corresponds to IPA# <i>n</i> in message 9260I and IPA# <i>n</i> in message 9262I.

The BSA TCP/IP server initializes the API (advanced program interface).

System Action:

None.

Operator Response:

None.

9266E SERVER(*port/app*): FUNCTION HAS NOT BEEN STARTED - GROUP *name* COULD NOT BE FOUND**Written to:**

Operator console, JESMSGLG.

Explanation:

The BSA TCP/IP server received a connect request from a product client. However, the requested function could not be generated because according to the naming conventions, no SFF client group with this *name* could be found.

System Action:

No connection is made. The system continues working.

Operator Response:

Investigate the cause of problem and correct it.

9266I PORT *port* IS NOT ACTIVE FOR *addon***Written to:**

Operator console, PMSLOG.

Explanation:

A MODIFY command like `F stcname,D TCP,P(port) PR(nn) TYPE(app)` has been entered to display information on the specified port of the TCP/IP server. However, the TCP/IP server is not active for the selected product add-on *addon*.

System Action:

None.

Operator Response:

Check and if necessary correct the values (port number, product number, and type) in your command.

9267E SERVER(*port/app*): READ ACCESS FOR *racf-profile* TO GET THE HOST IP-ADDRESS IS REQUIRED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA TCP/IP server has failed to retrieve an IPv6 address for the host because it lacks the required authorization. The STC user must have READ access to the indicated RACF profile in the SERVAUTH class.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>racf-profile</i>	RACF profile EZB.OSM. <i>sysname.tcpip</i> where <i>sysname</i> is the system name and <i>tcpip</i> the name of the TCPIP started task

System Action:

The system continues processing. The request of the BSA TCP/IP server and the server itself are terminated for this port.

Operator Response:

Determine the reason for the error and eliminate it. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9267W SERVER(*port/app*): RETRY LIMIT (*time/count*) HAS BEEN REACHED**Written to:**

Operator console, PMSLOG.

Explanation:

The TCP/IP server uses the RETRY mechanism (keyword *Bnn_TCPIP_RETRY_INTERVAL*). The set RETRY interval (*time/count*) has elapsed.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>time</i>	Time interval in seconds
<i>count</i>	Number of RETRY attempts

System Action:

The TCP/IP server ends with message 9268I.

Operator Response:

Determine the reason why the RETRY attempt has failed. Eliminate the error and restart the TCP/IP server. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

**9267I SERVER(*port/app*): RETRY TO RECONNECT TO *taskname* HAS BEEN STARTED
(TIME: *time sec* / CNT: *count*)****Written to:**

Operator console, PMSLOG.

Explanation:

While starting the TCP/IP server using the respective keywords in the LST member of the subsystem or via an operator MODIFY command, an error has occurred, for example, the defined TCP/IP task used for the TCP/IP stack has not been active. Refer to the *BSA Installation and System Guide* for more information. The system tries to re-establish the connection to the TCP/IP task *taskname* according to the entries in the keyword *Bnn_TCPIP_RETRY_INTERVAL*.

<i>port</i>	Port number
<i>app</i>	Application name (addon) of the port or BSA when the global port is used
<i>time</i>	Time interval
<i>count</i>	Number of tries

System Action:

The system activates the RETRY mechanism according to the entries defined. The subsystem is in operation. When the defined RETRY interval ends, the TCP/IP server will end with message 9268I.

Operator Response:

Determine the reason for the error, eliminate it and restart the TCP/IP server. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9268E NOT ENOUGH STORAGE AVAILABLE FOR *port* (*extfuncname/timestamp*)**Written to:**

Operator console, PMSLOG, SYSLOG, JESMSG LG.

Explanation:

Lack of sufficient storage available for the TCP/IP server with port number *port* when the server is activated using the relevant keywords in the LST member of the subsystem or an operator MODIFY command, or when TCP/IP server clients have been activated by the TCP/IP server.

extfuncname External function name

timestamp Time when an attempt was made to activated the TCP/IP server

System Action:

The start of the TCP/IP server or of the TCP/IP client is stopped. The subsystem continues processing.

Operator Response:

Determine the reason, eliminate it and restart the TCP/IP server. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9268I SERVER(*port/app*) TERMINATED**Written to:**

Operator console, PMSLOG.

Explanation:

The TCP/IP server has been terminated.

port Port number

app Application name (add-on) in case of an application port or BSA in case of a global port

Termination can be caused by one the following:

- The MODIFY command `F stcname,INACT TCP,P(port)...` has been entered.
- There has been a severe error or an interruption of the complete subsystem.

System Action:

None.

Operator Response:

None. Or determine the reason, eliminate it, and restart the TCP/IP server. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9269E SERVER(*extfuncname-time-app*): *function* FAILED (RC: *rc* / ERRNO: *error number* (*rs-errno*))**Written to:**

Operator console, PMSLOG, SYSLOG, JESMSGGLG.

Explanation:

A function-dependent error has occurred during communication.

<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy/hh.mm.ss.ff)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>function</i>	TCP/IP function where the error occurred
<i>rc</i>	Return code
<i>error number</i>	TCP/IP error code
<i>rs-errno</i>	Error number that is returned by the resolver during IP address resolution

System Action:

If the error is a serious one, communication is automatically terminated, otherwise operation continues.

Operator Response:

Required action depends on *function* and *error number*.

function indicates on which side (z/OS or other platform) the root of the error lies. For example, BIND indicates that the error is on the z/OS side.

The TCP/IP error code provides more information on the cause of the error.

9269I SERVER(*port/app*): NEW SUPPORT FUNCTIONS ARE NOT AVAILABLE**Written to:**

SYSLOG, JESMSGGLG.

Explanation:

The TCP/IP server has been called up with a request and terminated.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used

System Action:

None.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9270E HOST NAME '*name*' COULD NOT BE RESOLVED, NEGATIVE RESPONSE FROM DNS**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The host name '*name*' previously entered in a TCP/IP request could not be resolved in a domain name server (DNS) request to an explicit IP address.

System Action:

The BIND or CONNECT request could not be executed and ended with RC=-1 and the error code 999001. For more information, see "TCP/IP and VTAM codes" on page 482.

Operator Response:

Determine the reason for the error, eliminate it, and restart the request.

9270I HOST NAME '*name*' IS RESOLVED TO IP-ADDRESS '*IP address*'**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The host name '*name*' previously entered in a TCP/IP request could be resolved in a domain name server (DNS) request to the explicit IP address '*IP address*'.

System Action:

The system tries to perform a BIND or CONNECT with the displayed IP address '*IP address*'.

Operator Response:

None.

9271E HOST NAME '*name*' COULD NOT BE RESOLVED**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The host name '*name*' previously entered in a TCP/IP request could not be resolved in a domain name server (DNS) request to an explicit IP address.

System Action:

The BIND or CONNECT request could not be executed and ended with RC=-1. For more information, see "TCP/IP and VTAM codes" on page 482.

Operator Response:

Check the IP name resolution (DNS, search order, etc.).

9271I NO USERS HAVE BEEN CANCELED**Written to:**

Operator console, PMSLOG.

Explanation:

The operator MODIFY command CANCEL TCP,U(...)... has been entered but currently no users are logged onto the system via the TCP/IP server.

System Action:

None.

Operator Response:

None.

9272E BIND TO HOST NAME '*name*' (IP-ADDRESS: *IP address*) FAILED, RETURN CODE: (*rc*) ERRNO: (*errno*)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The TCP/IP request 'BIND' executed with the host name '*name*' and the resolved host name for the IP address '*IP address*' could not be successfully completed.

rc Return code (as a rule always -1)

errno TCP/IP error code

System Action:

The request has not been executed. The system is in operation.

Operator Response:

Try to determine the reason for the error, eliminate it, and restart the request.

9272I TRYING TO BIND TCP/IP TO HOST NAME: '*name*' (IP-ADDRESS: *IP address*)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

This message is preceded by message 9272E if more than one IP address exists for the host name '*name*'. '*IP address*' is the IP address with which the TCP/IP request 'BIND' is performed.

System Action:

The system tries to execute the TCP/IP request 'BIND' using the IP address specified.

Operator Response:

None.

9273E CONNECT TO HOST NAME '*name*' (IP-ADDRESS: *IP address*) FAILED, RETURN CODE: (*rc*) ERRNO: (*errno*)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The TCP/IP request 'CONNECT' executed using the host name '*name*' and the resolved host name for the IP address '*IP address*' could not be successfully completed.

rc Return code (as a rule always -1)

errno TCP/IP error code

System Action:

The request has not been executed. The system is in operation.

Operator Response:

Try to determine the reason for the error, eliminate it, and restart the request.

9273I TRYING TO CONNECT TCP/IP TO HOST NAME: '*name*' (IP-ADDRESS: *IP address*)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

This message is preceded by message 9272E if more than one IP address exists for the host name '*name*'. '*IP address*' is the IP address with which the TCP/IP request 'CONNECT' is performed.

System Action:

The system tries to execute the TCP/IP request 'CONNECT' with the IP address specified.

Operator Response:

None.

9274I *number* USERS FOR *addon* (*port*) HAVE BEEN CANCELED**Written to:**

Operator console, PMSLOG.

Explanation:

The MODIFY command `F stcname,CANCEL TCP,U(...)` has been entered with the port number *port*. A number of users are logged onto the product add-on *addon* (a 3-character name) via the TCP/IP server. *number* shows the number of users that were canceled.

System Action:

None.

Operator Response:

None.

9275I NO USERS ARE CURRENTLY LOGGED ON**Written to:**

Operator console, PMSLOG.

Explanation:

The MODIFY command `F stcname,DISPLAY TCP,U(...)`... has been entered to display information on the users who are logged onto the system via the TCP/IP server. No users are currently logged on.

System Action:

None.

Operator Response:

None.

9276I *number1* USERS LOGGED ON FOR *addon (port)* / *number2* USER-TKN EXPIRED**Written to:**

Operator console, PMSLOG.

Explanation:

The MODIFY command `F stcname,DISPLAY TCP,U(...)`... has been entered to display information on the users who are logged onto the system via the TCP/IP server. No users are currently logged onto the product add-on *addon* (a 3-character name) via the TCP/IP server. *number1* shows the number of logged-on active users for the product add-on displayed. *number2* shows the number of users known to the TCP/IP server, but who cannot continue to work because the time limit of these users has been exceeded (LST parameter `Bnn_TCPIP_SESS_TIME_LIMIT`). Message 9277I will also be displayed.

System Action:

None.

Operator Response:

None.

```

9277I PROD  USERID IPA      LOGON- LGN- SSID SRV-  HOST-  TKN CRP
9277I          SOURCE  DATE  TIME      PORT  PORT
9277I -----
9277I addon userid          date  time ssid s-port h-port tkn crp
9277I          HOST   :  h-ipa
9277I          SERVER:  s-ipa
9277I          CLIENT:  c-ipa
9277I ----- END OF DATA -----
    
```

Written to:

JESMSG LG, SYSLOG.

Explanation:

The MODIFY command F *stcname*, DISPLAY TCP,U(...)... has been entered to display information on the users who are logged onto the system via the TCP/IP server with the port number *port*. A number of users are currently logged onto the product add-on *addon* via the TCP/IP server.

addon Product application (3-character application name (add-on) plus 2-digit product number)

userid User ID

date Logon date

time Logon time

ssid Connected to the subsystem ID of the product

s-port Port number of the server port

s-ipa IP address of the server

c-ipa IP address of the client

h-port Port number of the host TCP/IP server

h-ipa IP address of the host TCP/IP server

tkn Status of the logged on users:

val The user-token assigned at logon is valid; the user can start work.

exp The user-token assigned at logon has expired; the user must log onto the system again before the user can continue working.

crp Encryption method used for this connection

Message 9276I will also be displayed.

System Action:

None.

Operator Response:

None.

9277I	APPL	CRP	CONNECT- IP-ADDRESS	CONNECT- DATE	CONNECT- TIME	LASTACT- DATE	LASTACT- TIME	HOST	CLIENT-
9277I								PORT	
9277I	<i>appl</i>	<i>crp</i>	<i>cdate</i>	<i>ctime</i>	<i>ldate</i>	<i>ltime</i>	<i>port</i>	<i>ipaddr</i>	
9277I	----- END OF DATA -----								

Written to:

JESMSGLG, SYSLOG.

Explanation:

The MODIFY command F *stcname*, DISPLAY TCP,...
CONNECT | CONNALL | CONNENC has been entered to display information on connections of the TCP/IP server. The following information is output for each connection:

- appl* Application addon, for example B92_BWE
- crp* Encryption method used for this connection
- cdate* Connect date
- ctime* Connect time
- ldate* Last activity date
- ltime* Last activity time
- port* Server port
- ipaddr* Numeric client IP address

System Action:

None.

Operator Response:

None.

```

9278I PROD  PORT  TASK  ST  SLIM  CRP IP-ADDRESS
9278I -----
9278I addon port task st sessl crp ipa
9278I ----- END OF DATA -----

```

Written to:

Operator console, SYSLOG, JESMSG LG.

Explanation:

The MODIFY command `F stcname,DISPLAY TCP,P(...)`... to display information on the ports. The ports displayed were active when the command was entered.

addon Product application (3-character application name (add-on) plus 2-digit product number)

port Port number

task Name of the TCP/IP task of the operating system with which the TCP/IP server with the port number *port* is connected

st Status of the TCP/IP server:

A Server is active

R Server retry

sessl Session limit as defined in `Bnn_TCPIP_SESS_TIME_LIMIT`

crp Encryption algorithm as defined in `Bnn_TCPIP_ENCRYPT[_app]`

ipa IP address

System Action:

None.

Operator Response:

None.

9279W USER *userid* FOR *app* (*port*) COULD NOT BE FOUND TO CANCEL**Written to:**

SYSLOG, JESMSG LG.

Explanation:

An attempt has been made to use the BSA Service Manager to cancel the user *userid* who was thought to be logged on via the BSA Communication Integrator. However, this user could not be found in the user table of the BSA Communication Integrator. *app* indicates the product application. *port* shows the port where the user is believed to be logged on.

System Action:

The command is not executed.

Operator Response:

None.

9279I USER *userid* FOR *app* (*port*) HAS BEEN CANCELED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A MODIFY command F *stcname*,CANCEL TCP,U(...)... has been entered for the TCP/IP server with the port number *port*. Or in case of the BSA Communication Integrator, a CANCEL command has been initiated via the BSA Service Manager. Some users logged onto the product add-on *app* via the TCP/IP server have been invalidated. *userid* shows the user ID of a single user who has been invalidated/deleted.

System Action:

None.

Operator Response:

None.

9280E CLIENT(*portcl-extfuncname-time-app*): *addon/timelimit* SESSION TIME LIMIT FOR USERID *user ID* HAS BEEN REACHED**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The user *user ID* logged onto the system via the TCP/IP server has sent a request to the product add-on *addon*. The time limit for the user's activity defined via the LST parameter *Bnn_TCPIP_SESS_TIME_LIMIT* has been exceeded.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated. The format used is ddd:hh.mm.ss, where ddd indicates the current day
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>addon</i>	Product application (3-character application name (add-on) plus 2-digit product number)
<i>timelimit</i>	Session time limit defined for <i>addon</i>

System Action:

The request ends with an error code. The user must log onto the product add-on *addon* again.

Operator Response:

None.

**9280W SERVER(*port/app*): MAXIMUM NUMBER (*nnnn*) OF CLIENTS HAS BEEN REACHED
- CONNECTION WILL BE REJECTED**

Written to:

SYSLOG, JESMSG LG.

Explanation:

The maximum number of client connects has been exceeded. The BSA TCP/IP server cannot open another thread until an existing one has been closed.

port Port number

app Application name

nnnn Maximum number of client connects, which is specified using this keyword:

Bnn_TCPIP_MAX_CLIENT for the global port

Bnn_TCPIP_MAX_CLIENT_app for the add-on

System Action:

The BSA TCP/IP server will reject the connection.

Operator Response:

Check that the correct number of client connects has been set in LST parameter *Bnn_TCPIP_MAX_CLIENT_app*.

9280I CLIENT(*portcl-extfuncname-time-app*): *addon/port* LOGON
(*ssid/userid/cipa*)

9280I CLIENT(*portcl-extfuncname-time-app*): *addon/port* LOGON TO *ssid* FOR
USERID *userid* request (RC=*rc/irc*)

Written to:

Operator console, SYSLOG, JESMSG LG.

Explanation:

A user with the user ID *userid* has logged onto the subsystem *ssid* using the product add-on *addon*.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: ddd:hh.mm.ss)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>addon</i>	Product application (3-character application name (add-on) plus 2-digit product number)
<i>port</i>	Server port
<i>cipa</i>	TCP/IP address of the requestor, i.e. the client TCP/IP address
<i>request</i>	*DONE* indicates that the logon has been successfully completed
<i>rc/irc</i>	Return code of successful logon (see "RCs at logon" in "BSA CI and TCP/IP server codes" on page 479)

System Action:

None.

Operator Response:

None.

9281E CL(*portcl-extfuncname-time-app*): *addon* CRYPT EXIT ENDED WITH RC = *rc*

Written to:

JESMSGLG, SYSLOG.

Explanation:

The active CRYPT exit used for the product add-on *addon* returns the error code *rc*. The encryption/decryption has failed. The request could not be processed.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>addon</i>	Product application (3-character application name (add-on) plus 2-digit product number)

System Action:

None.

Operator Response:

Determine the reason. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9281W SERVER(*serverport/app*): CONNECTION REJECTED IMMEDIATELY

**9281W CLIENT(*portcl-extfuncname-time-app*): CLIENT-PROGRAM BST02TCR
CONNECTION REJECTED**

Written to:

JESMSG LG, SYSLOG.

Explanation:

The maximum number of client connections via the BSA TCP/IP server has already been reached (see message 9280W).

serverport Port number of the server

app Application name (add-on) or BSA when the global port is used

portcl Client port, i.e. the client's temporary TCP/IP port number

extfuncname Name of the external function

time Time when the external function was activated
(format: mm/dd/yy:hh.mm.ss)

System Action:

System action depends on the application *app*:

EDF The server message is output and the connection is refused immediately.

other The BSA TCP/IP server completes the protocol handshake with the requestor (client), sends specific terminating information according to an internal protocol, and then closes the connection.

Operator Response:

Check that the correct number of client connects has been set in LST parameter *Bnn_TCPIP_MAX_CLIENT[_app]*.

9281I CL(*portcl-extfuncname-time-app*): *addon/port* LOGOFF FROM *ssid* FOR USER *userid***Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

A user with the user ID *userid* is logged off from the subsystem *ssid* using the product add-on *addon*.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>addon</i>	Product application (3-character application name (add-on) plus 2-digit product number)
<i>port</i>	Server port

System Action:

None.

Operator Response:

None.

**9282E CLIENT(*port-extfuncname-time-app*): *addon* CLIENT *name/ s-port*
INVALID TOKEN (*date/token*) DETECTED****Written to:**

SYSLOG, JESMSGLOG, PMSLOG.

Explanation:

A user has sent a request to the product add-on *addon* (a 3-character name). The security token assigned to the request is not valid.

<i>port</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>s-port</i>	Port of the TCP/IP server
<i>date</i>	Date (format: <i>dddyyyy</i>)
<i>token</i>	Timestamp (format: <i>hhmmssff</i> , where <i>ff</i> stand for the hundredth fractions of a second)

System Action:

The request ended with an error code. The user must log onto the product add-on *addon* (a 3-character name) again.

Operator Response:

None.

9282W SERVER(*port/app*): *addon* COMPRESSION - FEATURE (*comp*) IS NOT SUPPORTED --> FEATURE WILL BE IGNORED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

For the TCP/IP server the data compression during the transfer has been activated for the product add-on *addon* (a 3-character name). Compression is ignored because the compression method is not supported.

port Client port, i.e. this client's temporary TCP/IP port number

app Application name (add-on) of the port or BSA when the global port is used

comp Compression method defined in the LST member

System Action:

The data is not being compressed, even if the server-client supports or requests this compression.

Operator Response:

If you want to use data compression, a valid compression method must be indicated in the LST member.

9282I SERVER(*port/app*): *addon* COMPRESSION - FEATURE (*comp*) IS NOW IN EFFECT**Written to:**

SYSLOG, JESMSGLG.

Explanation:

For the TCP/IP server the data compression during the transfer has been activated for the product add-on *addon* (a 3-character name).

port Port number

app Application name (add-on) of the port or BSA when the global port is used

comp Compression method defined in the LST member

System Action:

Before the data transfer to the server-client takes place the data will be compressed according to the compression method used by the respective server client.

Operator Response:

None.

9283E CL(*portcl-extfuncname-time-app*): IOCTL FOR TLS-REQ (*request*) FAILED
(RC:-*rc*/ER:*errno*)

9283E CL(*portcl-extfuncname-time-app*): CONNECTION TO TLS-PORT *sport*
REJECTED

Written to:

SYSLOG, JESMSG LG.

Explanation:

A client has carried out a connect to the AT-TLS port *port*, which is a secure port. A problem has occurred during the SSL/TLS handshake, for example, the client has supplied an invalid certificate or wants to use an invalid TLS version.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: ddd:hh.mm.ss.ff)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>request</i>	TCP/IP request
<i>rc</i>	Return code of the request <i>request</i>
<i>errno</i>	TCP/IP error number of the request
<i>sportl</i>	Port number to connect to

System Action:

The connection is not established. The request is rejected.

Operator Response:

Check and correct the error. You can find additional information in the logs of the TCP/IP stack that is used or in the syslogd daemon of the policy agent (PAGENT).

9283W CL(*portcl-extfuncname-time-app*): addon SECURITY DISABLED, LOGON EXIT *exitname* HAS NO FUNCTION**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The LOGON security exit *exitname* used for the product add-on *addon* (a 3-character name) has no functionality. The user is allowed to log onto the system without a LOGON security check.

portcl Client port, i.e. the client's temporary TCP/IP port number

extfuncname Name of an externally used function

time Time when the external function has been activated
(format: mm/dd/yy:hh.mm.ss)

app Application name (add-on) of the port or BSA when the global port is used

System Action:

The system does not check the LOGON rights of users.

Operator Response:

See the *BSA Installation and System Guide* on how to install a LOGON security exit.

9283I SERVER(*port/app*): addon ENCRYPTION - FEATURE (*encr*) IS NOW IN EFFECT**Written to:**

SYSLOG, JESMSG LG.

Explanation:

For the TCP/IP server the data encryption during the transfer has been activated for the product add-on *addon* (a 3-character name).

port Client port, i.e. this client's temporary TCP/IP port number

app Application name (add-on) of the port or BSA when the global port is used

encr Encryption method defined in the LST member

System Action:

Before the data transfer to the server-client takes place, the data will be encrypted according to the encryption method used by the respective server-client.

Operator Response:

None.

**9284E CL(*portcl-extfuncname-time-app*): request FOR *ipaddr* (*so1/so2*)
FAILED (RC: *rc* / ERRNO: *errno* / MSN: *msn*)**

Written to:

SYSLOG, JESMSG LG.

Explanation:

An error originating from the request occurred while communicating. If the error is a serious one, communication is automatically terminated; otherwise it continues to request.

<i>portcl</i>	Client port, i.e. this client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>ipaddr</i>	Server-client IP-address
<i>so1</i>	Server socket number
<i>so2</i>	Client socket number
<i>rc</i>	Return code of the request <i>request</i>
<i>errno</i>	TCP/IP error number of the request
<i>msn</i>	Highest socket number assigned

System Action:

See whether there is a problem with your TCP/IP started task or any other related problems. Ignore the error on other platforms. The server will automatically recover and resend the data.

Operator Response:

If the error persists, restart the *BETA_{nn}* started task.

9284W CL(*portcl-extfuncname-time-app*): addon SECURITY DISABLED DUE TO MISSING LOGON EXIT *exitname***Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The LOGON security exit *exitname* used for the product add-on *addon* could not be found or loaded. The user is allowed to log onto the system without a LOGON security check.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>addon</i>	Product application (3-character application name (add-on) plus 2-digit product number)

System Action:

The system does not check the LOGON rights of users.

Operator Response:

Check the installation of the security exit and reinstall, if necessary. Refer to the *BSA Installation and System Guide* for more information.

**9284I SERVER(*port/app*) NUMBER OF SOCKETS: AS = *as* CS = *cs* TS = *ts*
CC = *cc* HS = *hs***

Written to:

SYSLOG, JESMSG LG.

Explanation:

The TCP/IP server was terminated or uses an interval cycle of 24h / timeout interval.

port Port number

app Application name (add-on) of the port or BSA when the global port is used

A brief set of statistics is issued on the number of sockets used. The following mean:

as Number of sockets for ACCEPT

cs Number of sockets for CLOSE SOCKET in the server

ts Number of sockets for TAKESOCKET

cc Number of sockets for CLOSE SOCKET in the server client

hs Highest socket number assigned

System Action:

The TCP/IP server is terminated or continues operating as normal.

Operator Response:

None.

9285E CL(*portcl-extfuncname-time-app*): *addon* Logontype TO *ssid* FOR USER *userid* DENIED (RC=*rc/irc*)

Written to:

SYSLOG, JESMSG LG.

Explanation:

The user *userid* has tried to log onto the subsystem ID *ssid*, but the logon has been rejected.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number								
<i>extfuncname</i>	Name of an externally used function								
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)								
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used								
<i>addon</i>	Product application (3-character application name (add-on) plus 2-digit product number)								
<i>logontype</i>	Type that was used for the user logon: <table> <tr> <td>LOGON</td> <td>Logon with user ID/password</td> </tr> <tr> <td>SLOGON</td> <td>Logon with user ID/password via a secure connection (SSL/TLS)</td> </tr> <tr> <td>CERT LOGON</td> <td>Logon with user certificate, for example, via smart card</td> </tr> <tr> <td>CERT SLOGON</td> <td>Logon with user certificate via a secure connection (SSL/TLS)</td> </tr> </table>	LOGON	Logon with user ID/password	SLOGON	Logon with user ID/password via a secure connection (SSL/TLS)	CERT LOGON	Logon with user certificate, for example, via smart card	CERT SLOGON	Logon with user certificate via a secure connection (SSL/TLS)
LOGON	Logon with user ID/password								
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CERT LOGON	Logon with user certificate, for example, via smart card								
CERT SLOGON	Logon with user certificate via a secure connection (SSL/TLS)								
<i>rc/irc</i>	Return code of the logon attempt (see "RCs at logon" in "BSA CI and TCP/IP server codes" on page 479)								

System Action:

The logon has not been activated.

Operator Response:

Determine the reason for the error and eliminate it.

9285W SERVER(*port/app*): *addon* ENCRYPTION - FEATURE (*encr*) USES AN INVALID KEY --> FEATURE WILL BE IGNORED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

For the TCP/IP server the data encryption during the transfer has been activated for the product add-on *addon* (a 3-character name).

port Port number

app Application name (add-on) of the port or BSA when the global port is used

encr Encryption method defined in the LST member

In addition, the key used for the encryption method *encr* has been indicated. However, this key is invalid for this method.

System Action:

Compression/encryption will be ignored. The server continues to run.

Operator Response:

None.

**9285I SERVER(*port/app*): *addon* - FUNCTION (AT-TLS SUPPORT) IN EFFECT
(TYPE: TTLS-APPLICATION CONTROLLED/*role[auth]*)**

Written to:

SYSLOG, JESMSG LG.

Explanation:

A client has carried out a connect to the AT-TLS port *port* of the TCP/IP server. *port* is a secure port. *app* shows the application name of the port and *addon* shows the product addon that was used, for example, BWE92 or OSY48.

role provides information on the handshake role (client/server). If client authentication has been configured in AT-TLS, the value provides information on the type of client certificate validation.

CLI	Client Performs the SSL handshake as a client.
SRV	Server Performs the SSL handshake as a server.
SRVCLI	Server with client authentication, ClientAuthType = Required Requires the client to present a certificate and performs client certificate validation.
SRVCLI_PASS	Server with client authentication, ClientAuthType = PassThru Requires the client to present a certificate and bypasses client certificate validation.
SRVCLI_FULL	Server with client authentication, ClientAuthType = Full Performs client certificate validation if the client presents a certificate.
SRVCLI_SAF	Server with client authentication, ClientAuthType = SAFCheck Requires the client to present a certificate, performs client certificate validation, and requires the client certificate to have an associated user ID defined to the security product.

This message is output only once for each AT-TLS port that is addressed.

System Action:

The system continues processing.

Operator Response:

None.

9285I SERVER(*port/app*): *addon* - FUNCTION 'CONNECT-INFO' IS NOW IN EFFECT**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The TCP/IP server has been activated for port *port*. *app* shows the application name of the port and *addon* shows the product addon that was used, for example BWE92.

The message is issued to show that the CONNECT-INFO function is in effect (LST parameter *Bnn_TCPIP_CONNECT_INFO* = YES). This means that during its runtime, the TCP/IP server holds a list of all connected clients in a table.

System Action:

The system continues processing.

Operator Response:

None.

9286E CL(*portcl-extfuncname-time-app*): *name* INVALID REQUEST (NO RQE) LENGTH *len***Written to:**

JESMSG LG, SYSLOG.

Explanation:

An invalid product request occurred.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function has been activated (format: mm/dd/yy:hh.mm.ss)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>name</i>	SFF function of the client
<i>len</i>	Length of the request

System Action:

The request is canceled and the system does not function.

Operator Response:

If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9286W SERVER(*port/app*): *addon* ENCRYPTION - FEATURE (*encr*) IS NOT SUPPORTED --> FEATURE WILL BE IGNORED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

For the TCP/IP server the data encryption during the transfer has been activated for the product add-on *addon* (a 3-character name). However, the specified encryption method is not supported.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>encr</i>	Encryption method defined in the LST member

System Action:

The data is not being encrypted, even if the server-client supports or requests this encryption.

Operator Response:

If an encryption is desired, a correct encryption method must be indicated in the LST member.

9286I SERVER(*port/app*): TCP_KEEPALIVE *keepalive-o* SEC HAS BEEN CHANGED TO *keepalive-n* SEC**Written to:**

SYSLOG, JESMSG LG.

Explanation:

For the indicated port of the TCP/IP server, the value for keepalive processing has been changed via the BSA Service Manager. The message is output at the time when the modification takes effect, i.e. when the first new connection is established after the value has been modified.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>keepalive-o</i>	Old keepalive value used up to this moment
<i>keepalive-n</i>	New keepalive value used as of this moment

System Action:

The TCP/IP server will use the value *keepalive-n* for each connection via port *port*.

Operator Response:

None.

9287E CL(*portcl-extfuncname-time-app*): INVALID APPLICATION *app* - REQUEST HAS BEEN REJECTED (*id*)

9287E CL(*portcl-extfuncname-time-app*): PROD: *prod* APPL: *app*
CHK_APPL:*prod_app* ID: *ide_rqe*

9287E CL(*portcl-extfuncname-app*): *data*

Written to:

SYSLOG, JESMSG LG.

Explanation:

The system has tried to send a request to an application *app* via a server port. However, the server port has not been allowed to access the application *app*. See the *BSA Installation and System Guide* for more information.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)
<i>portapp</i>	Application name (add-on) or BSA when the global port is used
<i>id</i>	Internal logical name of the message (used by Beta Systems support for problem analysis)
<i>prod_app</i>	Product application sent by the requestor
<i>app</i>	Add-on of the product sent by the requestor
<i>ide_rqe</i>	Request id in hexadecimal format
<i>data</i>	Request data header information in hexadecimal format

System Action:

The request is not executed.

Operator Response:

Determine the reason for the error and eliminate it.

9287W SERVER(*port/app*): *addon* COMPRESSION/ENCRYPTION - FEATURE IS NOT IN EFFECT - VERSION CONFLICT**Written to:**

SYSLOG, JESMSG LG.

Explanation:

For the TCP/IP server the data compression / encryption for the product add-on *addon* (a 3-character name) has been requested in the LST member. The version of the internal client module of the BSA TCP/IP server is incorrect.

port Port number

app Application name (add-on) of the port or BSA when a global port is used

System Action:

Compression/encryption will be ignored. The server continues to run.

Operator Response:

Make sure that the maintenance levels of both modules are correct. If the problem persists, contact Beta Systems support (see "Calling for support" on page 498)..

9287I SERVER(*port/app*): TCP_KEEPALIVE *keepalive* SEC IS NOW IN EFFECT [(VALUE OVERFLOW)]**Written to:**

SYSLOG, JESMSG LG.

Explanation:

For the indicated port of the TCP/IP server, a value for keepalive processing is in effect, which has been set via the LST parameter *Bnn_TCPIP_PORT[_app]* or *Bnn_TCPIP_KEEPALIVE_TIME[_port]*. VALUE OVERFLOW indicates that the value specified in the LST parameter is too high; in this case the maximum keepalive value is used.

port Port number

app Application name (add-on) of the port or BSA when the global port is used

keepalive Indicates the specified number of seconds from the corresponding LST parameter

System Action:

The specified value will be used for keepalive processing. The system continues processing.

Operator Response:

None.

9288E CL(*portcl-extfuncname-time-app*): *name* ABENDED**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The Beta program or the Beta exit with the name *name* ended due to a severe error.

portcl Client port, i.e. the client's temporary TCP/IP port number

extfuncname Name of an externally used function

time Time when the external function has been activated
(format: mm/dd/yy:hh.mm.ss)

app Application name (add-on) of the port or BSA when the global port is used

System Action:

The active request could not be processed. The subsystem is in operation.

Operator Response:

If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9288W SERVER(*port/app*): *addon* CLIENT *ipaddr:t-port* DOES NOT SUPPORT THE COMPRESSION/ENCRYPTION FEATURE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

For the TCP/IP server the data compression / encryption for the product add-on *addon* has been requested in the LST member.

port Port number

app Application name (add-on) of the port or BSA when the global port is used

addon Product application (3-character application name (add-on) plus 2-digit product number)

In general, the client with the IP address *ipaddr* and temporary port *t-port* does not support compression/encryption or the method of compression/encryption requested by the server.

System Action:

Compression/encryption will be ignored. The server continues to run.

Operator Response:

None.

9288I SERVER(*port/app*) USER CLEANUP PROCESS HAS BEEN STARTED**Written to:**

Operator console, PMSLOG.

Explanation:

The process of clearing out the user table, which is administered via the TCP/IP server, has been automatically activated. All users whose security token is invalid will be canceled. The last activity of the user and the time limit defined via the LST parameter *Bnn_TCPIP_SESS_TIME_LIMIT* are decisive factors regarding this process.

port Port number

app Application name (add-on) of the port or BSA when the global port is used

System Action:

All users with invalid tokens are canceled.

Operator Response:

None.

9289E CL(*portcl-extfuncname-time-app*): *addon* LOGON TO *ssid* *REJECTED (RC=*rc*/IP=*ipaddress*)***Written to:**

SYSLOG, JESMSGLG.

Explanation:

A user/agent has tried to connect to a subsystem ID, but the subsystem is not available.

portcl Client port, i.e. the client's temporary TCP/IP port number

extfuncname Name of an externally used function

time Time when the external function was activated
(format: mm/dd/yy:hh.mm.ss)

app Application name (add-on) of the port or BSA when the global port is used

addon Product application (3-character application name (add-on) plus 2-digit product number)

ipaddress IP address of the requestor

rc Return code (normally RC=24; for the meaning of other return codes, see "BSA CI and TCP/IP server codes" on page 479 and "Subsystem connection errors" on page 474)

System Action:

The logon has not been activated.

Operator Response:

Determine the reason for the error and eliminate it.

9289W CL(*portcl-extfuncname-time-app*): *addon* CLIENT *clientid/cport* INV. TOKEN (*date/utime*) [DETECTED|URBABEND]

9289W CL(*portcl-extfuncname-time-app*): INVALID TOKEN (*utoken/urbtoken*)

9289W CL(*portcl-extfuncname-time-app*): ---> CLIENT CONNECTION TERMINATED

Written to:

SYSLOG, JESMSG LG.

Explanation:

The system has received a request which contains an invalid or expired user logon token.

<i>portcl</i>	Client port, i.e. the server's TCP/IP port number
<i>extfuncname</i>	Name of an externally used function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>utoken</i>	User logon token as found in the internal user table
<i>urbtoken</i>	User logon token from the request
<i>cport</i>	Client port, i.e. the server's TCP/IP port number
<i>date</i>	Date of the expired token in the format yyyyddd
<i>utime</i>	Time of the expired token in the format hhmmss
<i>addon</i>	Product application (3-character application name (add-on) plus 2-digit product number)
<i>clientid</i>	Internal name of the client function (As a rule, this is identical to the external function name.)

DETECTED shows that this is a general request.

URBABEND shows that this is an internal termination request.

CLIENT CONNECTION TERMINATED shows that the number of attempts that can be made with an invalid token (defined internally) has been exceeded. This value is currently set to 5. The connection is ended from the server side.

System Action:

The request is not executed. The requestor receives internal information on the request.

Operator Response:

If you cannot determine the reason for the error and eliminate it, contact Beta Systems support (see "Calling for support" on page 498)..

9289I SERVER(*port/app*) USER CLEANUP PROCESS ENDED, *nn* USERS HAVE BEEN CANCELED**Written to:**

Operator console, PMSLOG.

Explanation:

The process of clearing out the user table administered via the TCP/IP server has been fully completed.

<i>port</i>	Port number
<i>app</i>	Application name (add-on) of the port or BSA when the global port is used
<i>nn</i>	Number of canceled users whose security tokens were invalid

System Action:

None.

Operator Response:

None.

9290W CL(*portcl-extfuncname-time-app*): RLEN *nnnn* FROM *ipa:port* CHANGED TO *mmmm***Written to:**

SYSLOG, JESMSG LG.

Explanation:

A user has sent a request via the application (add-on) *app* from IP address *ipa* and the *port*. The length *nnnn* contained in the request is invalid and has been set to the max. valid value *mmmm*. *ipa* is the TCP/IP address of the requestor. This can be the TCP/IP address of a server/router, or the direct TCP/IP address of the client. If the logon request includes a TCP/IP address for the client, this is the TCP/IP address that will be written here.

System Action:

The system tries to process the request. Unpredictable results may occur.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9290I SERVER(*port/app*): INIT AS RQE-SERVER FOR SSL-PORT SUCCESSFUL**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA Communication Integrator initializes a working function for the SSL port *port*. The working function and the BSA Communication Integrator communicate via an XCF/OCF or CM connection. The SSL requests sent to the BSA Communication Integrator can now be processed in the product STC.

System Action:

The product continues working.

Operator Response:

None.

9291E SERVER(*port/app*): SSL-SERVER FOR WORK FOR *addon* COULD NOT BE STARTED (RC = *rc*)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA Communication Integrator tries to initialize a working function for the SSL port *port* and the application *addon*. The working function and the BSA Communication Integrator communicate via an XCF/OCF or CM connection. The connection could not be established.

System Action:

The add-on cannot be used with SSL.

Operator Response:

Try to analyze the error or contact Beta Systems support (see "Calling for support" on page 498).

9291W CL(*portcl-extfuncname-time-app*): LURB *lurb urbrc* HAS BEEN CHANGED FOR REQ. *request***Written to:**

SYSLOG, JESMSGLG.

Explanation:

A user has sent a request with the code *req* via the application (add-on) *app*. *lurb* is the length of the URB (hexadecimal format). *urbrc* is the return code that was set in the URB (hexadecimal format). *request* describes request code that was set (hexadecimal format).

System Action:

The system tries to process the request. Unpredictable results may occur.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9291I SERVER(*port/app*): IS WAITING FOR WORK FOR *addon* OF REQUESTS FROM SSL-SERVER**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator initializes a working function for the SSL port *port* and the application *addon*. The working function and the BSA Communication Integrator communicate via an XCF/OCF or CM connection. The connection has been initialized and completely established. The BSA Communication Integrator can now receive SSL requests via SSL. The system is waiting for SSL requests to process them in the product STC.

System Action:

The product continues working.

Operator Response:

None.

9292W CL(*portcl-extfuncname-time-app*): INVALID REQUEST-VALUES FROM *ipa*

**9292W CL(*portcl-extfuncname-time-app*): *ipa* CL: *clen* EL: *elen* RL:*rlen*
NL:*orlen***

9292W CL(*portcl-extfuncname-time-app*): *ipa* TL:*tlen* LU:*lurb* rc FL: *flags*

Written to:

SYSLOG, JESMSG LG.

Explanation:

A user has sent a request via the application (add-on) *app* from the IP address *ipa*. *ipa* is the TCP/IP address of the requestor. This can be the TCP/IP address of a server/router, or the direct TCP/IP address of the client. If the logon request includes a TCP/IP address for the client, this is the TCP/IP address that will be written here. The length *lurb* contained in the request is invalid and has been set to the valid value BQL_ONL_URB. Within the request data, invalid entries of the length are found. *clen*, *elen*, *rlen*, *orlen* or *tlen*, *lurb*, *rc* and *flags* contain detailed information on the length.

System Action:

When message 9293W is issued, the request is not processed and ends with RC=36.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9292I SERVER(*port/appl*): *addon* COMPRESSION/ENCRYPTION - FEATURE FOR RQE-COMMUNICATION HAS BEEN IGNORED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BSA Communication Integrator tries to initialize a working function for the SSL port *port* and the application *addon*. The working function and the BSA Communication Integrator communicate via an XCF/OCF or CM connection. The keyword *Bnn_TCPIP_COMPRESS* or *Bnn_TCPIP_ENCRYPT* has been entered for the SSL port. They will be ignored for an SSL communication.

System Action:

The product continues working.

Operator Response:

None.

9293W CL(*portcl-extfuncname-time-app*): REQUEST FROM *ipa* HAS BEEN REJECTED (RC *rc*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A user has sent a request via the application (add-on) *app* from the IP address *ipa*. *ipa* is the TCP/IP address of the requestor. This can be the TCP/IP address of a server/router, or the direct TCP/IP address of the client. If the logon request includes a TCP/IP address for the client, this is the TCP/IP address that will be written here.

Invalid information on the length was found in the request (see message 9292W).

System Action:

The request ends with RC=*rc*.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9293I SERVER(*port/app*): SSL-SERVER STATUS HAS BEEN CHANGED (*status*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The port *port* used in the BSA Communication Server for the application *app* has been activated or deactivated. The corresponding working function has been activated or deactivated on the product side appropriately. *status* shows the current status.

System Action:

The product continues working accordingly.

Operator Response:

None.

9294E CL(*portcl-extfuncname-time-app*): *addon* LOGON EXIT UXSIN VERSION INVALID - NO PASS PHRASE SUPPORT**Written to:**

JESMSG LG.

Explanation:

A user attempted to log onto the product add-on *addon*. However, the version of the logon exit B02UXSIN currently used does not support passphrases.

<i>portcl</i>	Client port, i.e. the client's temporary TCP/IP port number
<i>extfuncname</i>	Name of an external function
<i>time</i>	Time when the external function was activated (format: mm/dd/yy:hh.mm.ss)
<i>app</i>	Application name (add-on) or BSA if a global port is used
<i>addon</i>	Product application (3-character application name (add-on) plus 2-digit product number)

System Action:

The logon is rejected.

Operator Response:

Activate a newer version of logon exit B02UXSIN that supports passphrases.

9294W CL(*portcl-extfuncname-time-app*): addon SECURITY DISABLED, LOGON EXIT UXSIN SKIPPED THE REQUEST**Written to:**

JESMSGLG.

Explanation:

A user logged on to the product add-on *addon*. Logon exit B02UXSIN accepted the request without running a RACF check. RC4 is set in the exit.

port Client port, i.e. the client's temporary TCP/IP port number

extfuncname Name of an external function

time Time when the external function was activated
(format: mm/dd/yy:hh.mm.ss)

app Application name (add-on) or BSA if a global port is used

addon Product application (3-character application name (add-on) plus 2-digit product number)

System Action:

The logon was successful.

Operator Response:

None.

9294I SERVER(*port/app*): LIMIT OF CLIENTS IS NOW IN EFFECT (NUMBER:*nnnn* WAITTIME: *sec* SECONDS)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The maximum number of *nnnn* client connects specified for add-on *app* in parameter *Bnn_TCPIP_MAX_CLIENT[_app]* is now in effect as the limit for the number of client connects handled for the add-on by the BSA TCP/IP server.

System Action:

The system continues working.

Operator Response:

None.

**9295W SERVER(*port/app*): MAXIMUM NUMBER (*nnnn*) OF CLIENTS HAS BEEN REACHED
- WAITING FOR *sec* SECONDS****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The maximum number of client connects *nnnn* has been exceeded. The BSA TCP/IP server cannot open another thread until an existing one has been closed. The maximum number of client connects is specified using this LST parameter:

- *Bnn_TCPIP_MAX_CLIENT* (for global port)
- *Bnn_TCPIP_MAX_CLIENT_app* (for application port)

System Action:

The BSA TCP/IP Server waits *sec* seconds and then tries again to open the thread.

Operator Response:

Check that the correct number of client connects has been set in the LST parameter *Bnn_TCPIP_MAX_CLIENT[_app]*.

9295I SERVER(*port/app*): MAXIMUM NUMBER (*nnnn*) OF CLIENTS - WORK CONTINUES**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The number of client connects for a global port has now fallen below the maximum specified in *Bnn_TCPIP_MAX_CLIENT*.

The number of client connects for a Beta Systems product add-on has now fallen below the maximum specified in *Bnn_TCPIP_MAX_CLIENT[_app]*.

System Action:

The BSA TCP/IP server resumes its task.

Operator Response:

None.

**9296I/9296E/9296W, 9297I/9297E/9297W, 9298I/9298E/9298W,
9299I/9299E/9299W trace messages****Written to:**

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA OCF component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None.

9300 - 9399 BSA Service Manager (BSM) messages

9300E BST04PRM ABENDED

Written to:

SYSLOG, JESMSG LG.

Explanation:

A request was issued via the BSA Service Manager. The function ended abnormally.

System Action:

The system writes a short dump into the system log and, depending on the presence of a SYSABEND or SFFFDUMP-DD statement, a long dump. The system continues to operate as normal.

Operator Response:

Inform your system administrator and contact Beta Systems support (see "Calling for support" on page 498).

9301I KEYWORD *keyword* UPDATED

9302I VALUE/OLD=*value*

9302I VALUE/NEW=*value*

Written to:

SYSLOG, JESMSG LG.

Explanation:

A dynamic update of the keyword *keyword* was requested via the BSA Service Manager. The update was successful. Message 9302I displays the old value and the new value of the LST parameter. This change is temporary. The new value remains in effect until it is changed again or until the started task is restarted.

System Action:

The system continues operating with the new value of the keyword *keyword*.

Operator Response:

None.

9303I KEYWORD=*keyword* INSERTED. VALUE=*vaLue***Written to:**

SYSLOG, JESMSG LG.

Explanation:

A dynamic insertion via the BSA Service Manager was requested for the keyword *keyword*. The insertion has been successful. *Value* indicates the currently valid value of the keyword. The modification is only temporary and may not necessarily be available after a restart of the started task.

System Action:

The system continues operating with the new value of the keyword *keyword*.

Operator Response:

None.

9303E *name* ABENDED**Written to:**

JESMSG LG.

Explanation:

Module *name* has abended.

System Action:

The system continues processing. A dump or short dump may also be written, depending on the abending module.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9304I KEYWORD=*keyword* DELETED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A dynamic deletion via the BSA Service Manager was requested for the keyword *keyword*. The deletion was successful. The modification is only temporary and may not necessarily be available after a restart of the started task.

System Action:

The system continues operating with the default value of the keyword *keyword*.

Operator Response:

None.

9305E INSTORAGE UPDATE FOR KEYWORD *keyword* FAILED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

A dynamic update via the BSA Service Manager was requested for the keyword *keyword*. The update was unsuccessful.

System Action:

The system continues operating with the value of the keyword *keyword*.

Operator Response:

Inform your system administrator, and, if necessary, eliminate the cause.

9306E UNABLE TO ESTABLISH SECURITY INTERFACE OF THE BSA SERVICE MANAGER**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The Security Interface for the BSA Service Manager could not be installed or access to this interface was not possible.

System Action:

All requests by the BSA Service Manager have been rejected.

Operator Response:

Inform your system administrator.

9307E USER=*userid* NOT AUTHORIZED TO USE THE TRACE-DATASET**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The user *userid* requests access to a TRACE dataset via the BSA Service Manager allocated under the DD statement BSATRACE. *userid* is not authorized to access this TRACE dataset.

This message can also occur if the user tries to create a new TRACE dataset but has not been authorized to do so.

System Action:

Access is denied and the respective requests are rejected. The system continues operating normally.

Operator Response:

Inform your system administrator. Correct the access rights if necessary.

9308E FREE FOR DDN=BSATRACE FAILED**Written to:**

Operator console.

Explanation:

The release of the dataset or sysout class allocated under the DD statement BSATRACE has been requested via the BSA Service Manager. The release was unsuccessful. More information can be obtained from the job log of the started task.

System Action:

The output medium (DATASET, SYSOUT class) assigned under the DD statement BSATRACE remains allocated. The system continues operating normally.

Operator Response:

Identify the cause and eliminate it.

9310E REQUEST TO request THE LICENSE FILE (*file*) FAILED (USER: *userid*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The request for the license file via the BSA Service Manager has not been successful. *request* describes the request type (Select/Insert/ Update). *file* displays the name of the license file. *userid* is the user who placed the request.

System Action:

The system continues operating normally.

Operator Response:

None.

9310I REQUEST TO request THE LICENSE FILE (*file*) HAS BEEN INITIATED (USER *userid*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A request for reading/inserting or modifying a license file was issued via the BSA Service Manager by the user *userid*.

System Action:

The system continues operating.

Operator Response:

None.

**9311I REQUEST TO *request* THE LICENSE FILE (*file*) SUCCESSFUL (USER: *userid*
[*new file*])****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The request for the license file via the BSA Service Manager has not been successful. *request* describes the request type (Insert/Update). *file* displays the name of the old license file. *new file* is the name of the new license file in use. *userid* is the user who placed the request.

The modification is only temporary and may not necessarily be available after a restart of the started task. This may lead to the invalidation of the original license file and the interruption of the started task.

System Action:

The system continues operating and executes the request.

Operator Response:

Inform your system administrator.

**9313I SECURITY ENVIRONMENT FOR THE FUNCTIONS OF THE BSA SERVICE MANAGER
IS ACTIVE (GLOBAL_SEC_MSG: YES|NO)****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The security environment for the functions of the BSA Service Manager has been activated. The exit module B04UXSEC has been successfully loaded.

The message includes the current GLOBAL_SEC_MSG setting, which controls the output of ICH408I messages:

NO Output of ICH408I messages is handled according to the specifications of B04UXSEC.

YES Messages are always output, independently of the specifications of B04UXSEC.

You can change this setting via the LST parameter BSA_SECURITY_GLOBAL_MSG_BSM, which is described in "Security-related LST parameters" in *BSA Service Manager Manual*.

System Action:

On the basis of the definitions executed for the individual functions of the BSA Service Manager, the user is checked for appropriate authorization before the execution of each function.

Operator Response:

None.

9314W SECURITY ENVIRONMENT FOR THE FUNCTIONS OF THE BSA SERVICE MANAGER IS NOT ACTIVE**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The security environment for the functions of the BSA Service Manager has not been activated. The exit module B04UXSEC has not been loaded.

System Action:

No check is carried out to determine the user's authorization during the execution of each function.

Operator Response:

None.

**9315E INVALID NUMBER OF ENTRIES IN ENTITY TABLE OF B04UXSEC
USER=*username*, FUNCTIONCODE=*code*****Written to:**

SYSLOG, JESMSGLG.

Explanation:

A command was sent to the BSA Service Manager. However, the exit activated for the Service Manager, B04UXSEC, does not contain the function code defined for this command. As a rule, the new sample exit from the BSA.SAMPLIB library has not been recompiled and updated in the product started task by restarting the STC. *username* is the name of the user who initiated the command.

System Action:

The command is not executed for the BSA Service Manager

Operator Response:

Compile the newest sample exit and restart the STC (see the *BSA Service Manager* documentation).

9320I BETAnn *app* CONNECT FROM BSA CI FOR USERID *userid* SUCCESSFUL**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The BSA Communication Integrator was used to set up a connection (LOGON) between user *userid* and application *app* of Beta Systems product BETAnn.

System Action:

The user can work with application *app*.

Operator Response:

None.

9321I BETAnn *app* DISCONNECT FROM BSA CI FOR USERID *userid* SUCCESSFUL**Written to:**

SYSLOG, JESMSGLG.

Explanation:

A user has logged off from BETAnn application *app* (LOGOFF). This removes the BSA Communication Integrator connection between the user and the Beta Systems product.

System Action:

The user can no longer work with application *app*.

Operator Response:

None.

9330E INVALID PORT NUMBER *port* FOR CONNECTION TO THE BSA CI HAS BEEN FOUND**Written to:**

SYSLOG, JESMSGLG.

Explanation:

A command to display/control BSA Communication Integrator was sent from the product started task via the BSA Service Manager. To enable this, a valid TCP/IP connection to BSA Communication Integrator must be defined in keyword BSA_TCPIP_BSM_PORT in the LST member of the product started task. Either this definition could not be found, or the ***port*** specified in the keyword is incorrect.

System Action:

The command is not executed.

Operator Response:

Eliminate the cause of the error. If the BSM port is defined and active in the BSA Communication Integrator (message 8518I), this port must also be defined in keyword BSA_TCPIP_BSM_PORT in the LST member of the product started task. This definition can also be made temporarily using the BSA Service Manager (option 1). Also refer to the chapter on the BSA Communication Integrator in the *BSA Installation and System Guide*.

9331W CONNECTION TO THE BSA CI VIA PORT *port* HAS FAILED (RC:*errno*)**Written to:**

SYSLOG, JESMSGLG.

Explanation:

A command to display/control BSA Communication Integrator was sent from the product started task via the BSA Service Manager. To enable this, a valid TCP/IP connection to BSA Communication Integrator must be defined in keyword BSA_TCPIP_BSM_PORT in the LST member of the product started task. The *port* specified here was not available. *errno* indicates the TCPIP socket error number.

System Action:

The command is not executed.

Operator Response:

Identify and eliminate the cause of the error.

9350E INVALID PARM INFORMATION**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The operator command F *stcname*, DSMPE *pkgname* was entered, but the specified package name *pkgname* is not valid.

System Action:

The command is not executed. The system continues working.

Operator Response:

Correct the package name *pkgname* in the command.

9350I SMP/E PACKAGE INFORMATION**9350I PKGNAME PKGMEM PKGPTF STATUS DATE****9350I *pkgname pkgmem pkgptf pkgstatus pkgdate*****9350I ***** BOTTOM OF SMP/E PACKAGE INFORMATION *********Written to:**

SYSLOG, JESMSG LG.

Explanation:

This message shows information on active SMP/E packages as a result of the LST parameter BSA_ANALYZE_SMPE = YES or one of the following operator commands:

F *stcname*,DSMPE

-OR-

F *stcname*,DSMPE *pkgname* when *pkgname* includes wildcards

The following information is output:

<i>pkgname</i>	Name of the package
<i>pkgmem</i>	Name of the module that describes the package contents
<i>pkgptf</i>	PTF number of the module that describes the package contents
<i>pkgstatus</i>	Check status of the package:
OK	Verification of the entire package was successful.
LMOD OK	Verification of the load modules in the package was successful. The package also contains other member types (PANEL, MSG, or SKEL), which were not checked.
REPLACED	The package has been replaced by a higher level.
MISMATCH	Verification of at least one member in the package was not successful.
CHANGED	At least one verified member of the package has been superseded by a later PTF.
<i>pkgdate</i>	Creation date of the package

System Action:

None.

Operator Response:

None.

```

9351I SMP/E PACKAGE pkgname DETAIL INFORMATION
9351I PKGMEM   PKGPTF   CURRPTF   STATUS   CURR-DATE   CURRTIME
9351I pkgmem  pkgptf  pkgcptf pkgcstatus pkgcdate pkgctime
9351I          ddname  dsname
9351I ***** BOTTOM OF SMP/E DETAIL PACKAGE INFORMATION *****

```

Written to:

SYSLOG, JESMSGLG.

Explanation:

This message shows information on a given SMP/E package as a result of the F *stcname*,DSMPE *pkgname* operator command.

<i>pkgname</i>	Name of the displayed package
<i>pkgmem</i>	Name of the module that describes the package contents
<i>pkgptf</i>	PTF number of the module that describes the package contents
<i>pkgcptf</i>	PTF number of the module that is currently active
<i>pkgcstatus</i>	Check status of the module: <ul style="list-style-type: none"> LMOD OK Verification of load module was successful. MISMATCH Information on member (PTF number) does not match the information on package contents. SUPERSEDED This PTF has been superseded by a later PTF. NOT AV No check information found in currently active member (load module). NOT FOUND Member could not be found.
<i>pkgcdate</i>	Creation date of the currently active module
<i>pkgctime</i>	Creation time of the currently active module
<i>ddname</i>	DD name where the currently active module was found
<i>dsname</i>	Dataset name of the library where the currently active module was found

System Action:

None.

Operator Response:

None.

9352E NO SMP/E PACKAGE INFORMATION FOUND - ERROR (RC: *rc*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The operator command `F stcname,DSMPE` was entered, which causes the display of information on SMP/E packages. An error occurred while generating this information. The return code *rc* enables trained Beta Systems (see "Calling for support" on page 498) personnel to analyze the cause of the error.

System Action:

The command is not executed. The system continues working.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498). Include the return code *rc* in your problem report.

9352I NO SMP/E PACKAGE INFORMATION FOUND**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The operator command `F stcname,DSMPE` was entered, which causes the display of information on SMP/E packages. No SMP/E packages could be found.

System Action:

None.

Operator Response:

None.

9352I NO SMP/E PACKAGE INFORMATION ANALYZED (RC:*rc*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A request has been received for analyzing information on SMP/E packages. The request can originate from the operator command `F stcname,DSMPE` or from an internal feature. No information was available for analysis. The return code *rc* enables trained Beta Systems (see "Calling for support" on page 498) personnel to analyze the cause of the error.

System Action:

The system continues working.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498) if you need additional information. Include the return code *rc* in your problem report.

9396I *trace message*

9396W *trace message*

9396E *trace message*

9397I *trace message*

9397W *trace message*

9398E *trace message*

9398I *trace message*

9398W *trace message*

9398E *trace message*

9399I *trace message*

9399W *trace message*

9399E *trace message*

Written to:

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA BSM component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None.

9400 - 9499 _beta report (RPG) messages (part 2)

More _beta report messages can be found in "8400 - 8499 _beta report (RPG) messages (part 1)" on page 79.

9400W INVALID ERROR NUMBER *number*

Written to:

RPGSCAN.

Explanation:

The error number does not fit into the _beta report message ranges, namely 8400 to 8499 and 9400 to 9499. However, the message text for the invalid message number follows immediately in all cases.

System Action:

None.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9401E END OF COMMENT MISSING

Written to:

RPGSCAN.

Explanation:

The end of a comment (*/) beginning with /* could not be found.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9402E ERROR DURING BST_BLK_GET

Written to:

RPGSCAN.

Explanation:

An internal error occurred, probably a destroyed memory management list. A DUMP of the relevant blocks is generated.

System Action:

None.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9403E ERROR DURING BST_BLK_ADD**Written to:**

RPGSCAN.

Explanation:

An internal error occurred, probably a destroyed memory management list.

System Action:

A DUMP of the relevant blocks is generated.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9404E TOO MANY CONTINUOUS LINES**Written to:**

RPGSCAN.

Explanation:

The continuation lines for literals have exceeded the maximum limit. A maximum of 100 continuation lines are allowed.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9405E ERROR DURING BST_BLK_INIT**Written to:**

RPGSCAN.

Explanation:

An internal error occurred. Most probably sufficient free memory is not available.

System Action:

The program execution is terminated.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9406E BQL OPEN FAILED**Written to:**

RPGSCAN.

Explanation:

The database could not be opened, e.g. because of an invalid subsystem ID.

System Action:

The program execution is terminated.

Operator Response:

Check whether the SSID has been started and the correct specification of the SSID is being used.

9407E SUBSYSTEM ID PARAMETER IS MISSING**Written to:**

RPGSCAN.

Explanation:

No subsystem ID is specified in the EXEC statement or in DD RPGIN.

System Action:

The program execution is terminated.

Operator Response:

Correct the JCL accordingly.

9408E BQL EXEC RC (rc) IRC (irc)**9408E BQL IRC (irc): *error description*****Written to:**

RPGSCAN.

Explanation:

A message with an error description is output for some common error situations, which lead to RC=20, for example, keyword error (irc 1), table not defined (irc 2), or field not defined (irc 4). For other return codes and information return codes, see "Database codes" on page 489.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9409E ssid IS NOT A V4 VERSION - MODULE BST16RPG NOT FOUND**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The version 4 RPG program BST16RPG has recognized that the specified subsystem is a version 3 subsystem. It has therefore tried to call the version 3 RPG program BST16RPG, but this program could not be found.

System Action:

The program execution is terminated.

Operator Response:

If the specified subsystem ID is correct, make sure that the version 3 RPG program BST16RPG can be found.

9410I message text**Written to:**

SYSLOG, JESMSGLG.

Explanation:

Message number 9410I is used to issue internal messages with different message texts. The messages that are collected under this message number are trace message for debugging and support purposes. When issued with other error messages, a 9410I message may provide information as to the source of the error.

System Action:

The program execution is terminated.

Operator Response:

If you need help to resolve this error, contact Beta Systems support (see "Calling for support" on page 498).

9411E UNKNOWN OR MISPLACED COMMAND *commandname***Written to:**

RPGSCAN.

Explanation:

The specified command could not be interpreted or is entered at a wrong place.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9412E COMMAND *commandname* IS MISSING**Written to:**

RPGSCAN.

Explanation:

An expected command or subcommand could not be found.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9413E EXTRA COMMAND *commandname* IGNORED**Written to:**

RPGSCAN.

Explanation:

A subcommand or too many subcommands are found. The current command does not allow subcommands.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9414E EXTRA PARAMETER(S) IGNORED FOR COMMAND *commandname***Written to:**

RPGSCAN.

Explanation:

There is a surplus in the number of parameters for a command or subcommand.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9415E TOO FEW PARAMETERS FOR COMMAND *commandname***Written to:**

RPGSCAN.

Explanation:

The expected parameter(s) could not be found.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9416E LITERAL NOT ALLOWED FOR COMMAND *commandname***Written to:**

RPGSCAN.

Explanation:

The specification of a literal for a command or subcommand is not allowed here.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9417W ZERO LENGTH STRING AFTER COMMAND *commandname***Written to:**

RPGSCAN.

Explanation:

A literal is allowed to be a zero length string, e.g. DEFHEAD HEAD1 VALUE " but it is better to code the line, e.g. DEFHEAD HEAD1 VALUE '' to avoid any warning messages.

System Action:

None.

Operator Response:

None.

9418W SORTBY CONTAINS TOO MANY FIELDS. *field* WAS THE LAST ONE INCLUDED**Written to:**

RPGSCAN.

Explanation:

The SORTBY string contains too many fields. The field mentioned was the last one included in the control statement and passed on to the SORT program in use.

System Action:

Operation continues. The program execution is not terminated.

Operator Response:

Delete the field and rerun the job.

9419E NO LINES FOUND IN RPGIN**Written to:**

RPGSCAN.

Explanation:

DD RPGIN is empty.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9420E NO COMMANDS FOUND**Written to:**

RPGSCAN.

Explanation:

DD RPGIN does not contain any commands.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9421E VALUE FOR *keyword* TOO LARGE**Written to:**

RPGSCAN.

Explanation:

The specified size is too large.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9422E HEADERNAME CANNOT BE LONGER THAN 32 CHARACTERS**Written to:**

RPGSCAN.

Explanation:

A field header contains more than 32 characters.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9423E VALUE CANNOT BE LONGER THAN DEFINED BY THE LENGTH SUBCOMMAND**Written to:**

RPGSCAN.

Explanation:

A literal is longer than defined in the command DEFCHAR.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9424E THE VALUE FOR DIGI IS OUT OF RANGE**Written to:**

RPGSCAN.

Explanation:

The field length of the command DEFNUM has to be between 0 and 31.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9425E THE VALUE FOR DEC IS OUT OF RANGE**Written to:**

RPGSCAN.

Explanation:

The number of decimal places for the command DEFNUM is invalid.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9426E REPORT NAME CANNOT BE LONGER THAN 16 CHARACTERS**Written to:**

RPGSCAN.

Explanation:

The name of a report exceeds the 16 character limit.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9427E BLANKLINE MUST BE 1, 2 OR 3**Written to:**

RPGSCAN.

Explanation:

The value of BLANKLINE has to be between 1 and 3.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9428E BLANKHEAD MUST BE 1, 2 OR 3**Written to:**

RPGSCAN.

Explanation:

The value of BLANKHEAD has to be between 1 and 3.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9429E LINE NAME CANNOT BE LONGER THAN 16 CHARACTERS**Written to:**

RPGSCAN.

Explanation:

The field name of a subcommand defining LINES exceeds the 16 character limit.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9430E WIDTH MUST BE 80, 120 OR 132**Written to:**

RPGSCAN.

Explanation:

The keyword WIDTH of the command DEFREP can only be followed by 80, 120 or 132.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9431E DATALINES MUST BE IN RANGE FROM 30 TO 255**Written to:**

RPGSCAN.

Explanation:

The page length of a report is not between 30 and 255 lines.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9432E DDNAME CANNOT BE LONGER THAN 8 CHARACTERS**Written to:**

RPGSCAN.

Explanation:

The DDNAME coded with the keyword DDNAME or DDWORK is invalid as it exceeds the 8 character limit.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9433E CONTROL MUST BE YES OR NO**Written to:**

RPGSCAN.

Explanation:

The keyword CONTROL can only be followed by either "YES" or "NO".

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9434E FIELDNAME MUST START WITH A CHARACTER**Written to:**

RPGSCAN.

Explanation:

The first character of a field name is not a letter.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9435E FIELDNAME CANNOT BE LONGER THAN 16 CHARACTERS**Written to:**

RPGSCAN.

Explanation:

A field name exceeds the 16 character limit.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9436E *reservedname* IS A RESERVED WORD AND CAN NOT BE A FIELDNAME**Written to:**

RPGSCAN.

Explanation:

A reserved word was used as a field name.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9437E FIELD *fieldname* ALREADY DEFINED**Written to:**

RPGSCAN.

Explanation:

This field has been tried to be defined twice.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9438E FIELD *fieldname* CONTAINS TOO MANY DIGITS**Written to:**

RPGSCAN.

Explanation:

You have used too many digits for a numeric field. The number of digits is invalid.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9439E FIELD *fieldname* CONTAINS TOO MANY DECIMAL PLACES**Written to:**

RPGSCAN.

Explanation:

The number of decimal places used for a numeric field is invalid.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9440W BQL_EXEC WAS USED WITH THE COMMAND INSERT, UPDATE OR DELETE**Written to:**

RPGSCAN.

Explanation:

Normally only the BQL statements SELECT and DEFSEL are allowed when using _beta report.

If you use _beta report to update a Beta Systems product database without being instructed by Beta Systems to do so, you do this at your own risk.

System Action:

The program execution continues.

Operator Response:

None.

9441E CANNOT GET FIELDINFO FROM DATABASE**Written to:**

RPGSCAN.

Explanation:

An error occurred during the search for the type and length of database fields.

System Action:

The program execution is terminated.

Operator Response:

Please take a closer look at the BQL syntax. Please correct the syntax in case it is incorrect and rerun the job.

9442E SUBSYSTEM *ssid* OR FUNCTION NOT AVAILABLE**Written to:**

RPGSCAN.

Explanation:

The subsystem or function cannot be found. It is either misspelled or not available.

System Action:

The program execution is terminated.

Operator Response:

Check whether the subsystem has been started and the correct specification of the SSID being used.

9443E ERROR ACCESSING DATABASE , RC = *rc***Written to:**

RPGSCAN.

Explanation:

An error occurred while accessing the database. *rc* informs about the nature of the error.

System Action:

The program execution is terminated.

Operator Response:

If you can't determine the cause of the error (for example, started task not active), contact Beta Systems support (see "Calling for support" on page 498).

9444E FIELD *fieldname* IS NOT PRINTABLE**Written to:**

RPGSCAN.

Explanation:

The selected field can not be used for printing.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9445E *fieldname* IS NOT VALID FOR THE TO SUBCOMMAND**Written to:**

RPGSCAN.

Explanation:

The selected field is not valid for this operation.

System Action:

The program execution is terminated.

Operator Response:

Use the DEFREP command to define a valid report field or the keyword RPGSCAN to write the record to the RPGSCAN output.

9446E STATEMENT DIFFERS FROM STATEMENT FOUND IN LINE NUMBER *nn***Written to:**

RPGSCAN.

Explanation:

The REPORT command is being used with and without the SORTBY keyword for the same report field.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9447E HEADER MUST BE A LITERAL**Written to:**

RPGSCAN.

Explanation:

The specification of a literal for a command or a subcommand is not allowed here.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9448E CONVERSION ERROR HAS OCCURRED**Written to:**

RPGSCAN.

Explanation:

The specified packed field could not be converted.

System Action:

The program execution is terminated.

Operator Response:

Please ensure that the source field contains a packed number.

9449E SOURCE MUST BE A PACKED FIELD**Written to:**

RPGSCAN.

Explanation:

The specified source field can not be a character or numerical field, as well as a literal.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9450E CONVPCK RESULT DOES NOT FIT IN THE DESTINATION**Written to:**

RPGSCAN.

Explanation:

The specified packed field exceeds the maximum limit of the destination field.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9451E OPERAND(S) MUST BE NUMERIC**Written to:**

RPGSCAN.

Explanation:

The operands for mathematical commands have to be numeric.

System Action:

The program execution is terminated.

Operator Response:

Check the data type of each (database) field involved. Use CONVNUM as necessary for numeric conversion (required for database fields of type SMALLINT). Correct the error and rerun the job.

9452E OPERANDS MUST BE OF THE SAME TYPE**Written to:**

RPGSCAN.

Explanation:

The source and destination operands coded with the command MOVE are not of the same type.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9453E POS AND/OR LEN MUST BE NUMERIC**Written to:**

RPGSCAN.

Explanation:

The value following the keywords POS and/or LEN is not numeric.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9454E SOURCE AND/OR DESTINATION MUST BE A CHARACTER FIELD**Written to:**

RPGSCAN.

Explanation:

The source and/or destination field coded with the SUBSTRING is not a character field.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9455E SPECIFIED SUBSTRING DOES NOT FIT IN THE DESTINATION FIELD**Written to:**

RPGSCAN.

Explanation:

The specified substring exceeds the maximum limit of the destination field.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9456E FIELD *fieldname* IS NOT DEFINED**Written to:**

RPGSCAN.

Explanation:

The specified field name has not been defined.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9457E TOO MANY NESTED IF STATEMENTS**Written to:**

RPGSCAN.

Explanation:

There are too many nested IF-ENDIF commands.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9458E ELSE WITHOUT IF**Written to:**

RPGSCAN.

Explanation:

An ELSE statement appears without a matching IF command.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9459E TOO MANY NESTED ELSE, BQL_END and BREAK STATEMENTS**Written to:**

RPGSCAN.

Explanation:

There are too many nested ELSE, BQL_END and BREAK statements.

System Action:

The program execution is terminated.

Operator Response:

Simplify the structure of the procedure and rerun the job.

9460E ENDIF WITHOUT IF**Written to:**

RPGSCAN.

Explanation:

An ENDIF keyword was found without an IF command.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9461E TOO MANY NESTED WHILE STATEMENTS**Written to:**

RPGSCAN.

Explanation:

There are too many nested WHILE-ENDWHILE commands.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9462E ENDWHILE WITHOUT WHILE**Written to:**

RPGSCAN.

Explanation:

An ENDWHILE keyword was found without the corresponding WHILE command.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9463E INCORRECT WHILE LOOP CONSTRUCTION**Written to:**

RPGSCAN.

Explanation:

A WHILE loop could not be executed. The WHILE loop construction is invalid.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9464E ONLY NUMERIC OR CHARACTER FIELDS ALLOWED**Written to:**

RPGSCAN.

Explanation:

Only numeric or character fields are allowed. However, the use of literals is not authorized.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9465E WITHIN MAY BE USED IN CONJUNCTION WITH EQ ONLY**Written to:**

RPGSCAN.

Explanation:

The keyword WITHIN of the IF command can only be used in connection with the comparison operator EQ.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9466E COMMAND *commandname* IS NOT ALLOWED FOR PRODUCT**Written to:**

RPGSCAN.

Explanation:

The specified command may not be used for this product.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9467E HEADERNAME CAN NOT BE LONGER THAN 32 CHARACTERS**Written to:**

RPGSCAN.

Explanation:

A field header is not allowed to exceed 32 characters.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9468E SOURCE MUST BE A NUMERIC FIELD**Written to:**

RPGSCAN.

Explanation:

The source field of the CONVSTR command is not numeric.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9469E SOURCE MUST BE A CHARACTER FIELD**Written to:**

RPGSCAN.

Explanation:

The source field of the CONVNUM command is not a character field.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9470E DESTINATION MUST BE A NUMERIC FIELD**Written to:**

RPGSCAN.

Explanation:

The destination field of the CONVNUM command is not numeric.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9471E DESTINATION MUST BE A CHARACTER FIELD**Written to:**

RPGSCAN.

Explanation:

The destination field of the CONVSTR command is not a character field.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9472E LITERAL NOT ALLOWED**Written to:**

RPGSCAN.

Explanation:

A literal used as a parameter is not permitted.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9473E *command* NOT WITHIN A WHILE LOOP**Written to:**

RPGSCAN.

Explanation:

The BREAK command or the BQL_END command has been used outside a WHILE loop construction.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9474E UNEXPECTED END OF PROGRAM**Written to:**

RPGSCAN.

Explanation:

The program execution is terminated, e.g. because of a missing ENDIF or ENDWHILE command.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9475E IF/ELSE - WHILE CONFLICT**Written to:**

RPGSCAN.

Explanation:

An incorrectly nested WHILE/IF command is found.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9476E INVALID OR MISSING SORT DIRECTION**Written to:**

RPGSCAN.

Explanation:

The sorting sequence (A or D) specified by the keyword SORTBY is invalid.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9477E SORT FIELD *fieldname* NOT DEFINED**Written to:**

RPGSCAN.

Explanation:

A field which has to be sorted is not defined.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9478W NO HEADER PRINTED ON *punchname* - OUTPUT FIELDS DIFFER**Written to:**

RPGSCAN.

Explanation:

The fields in this statement differ from the first PUNCH statement issued.
No header will be printed.

System Action:

Operation continues. The program execution is not terminated.

Operator Response:

None.

9479E FIELD *fieldname* IS NOT VALID FOR THIS COMMAND**Written to:**

RPGSCAN.

Explanation:

The used field is not valid for this operation. No report will be printed.

System Action:

The program execution is terminated.

Operator Response:

Use the command DEFPCH or DEFREP to define a valid field for this
command and rerun the job.

9480E RECORD LONGER THAN THE MAXIMUM OUTPUT RECORD LENGTH**Written to:**

RPGSCAN.

Explanation:

The current record exceeds the maximum allowed record length limit.

System Action:

The program execution is terminated.

Operator Response:Correct the error and rerun the job. Please see the *_beta report Manual* for information on the maximum record length.**9481E DIVISION BY ZERO****Written to:**

RPGTRACE/RPGSCAN.

Explanation:

A division by zero could not be executed.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9482W MOVE TRUNCATION HAS OCCURRED**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

The receiving field in the MOVE command was too short to receive the moved value. The data is truncated.

System Action:

Operation continues. The program execution is suspended but not terminated.

Operator Response:

Correct the error and rerun the job.

9483E STACK OVERFLOW**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

Probably the recursion of the ROUTINE command led to a stack overflow.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9484E RETURN ENCOUNTERED WITHOUT PREVIOUS PERFORM**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

The RETURN command should be executed without the corresponding PERFORM command.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9485W SUBSTRING PARAMETERS OUT OF RANGE - DESTINATION UNCHANGED**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

The substring defined by the keywords POS and LEN was found outside a source field.

System Action:

Operation continues. The program execution is suspended but not terminated.

Operator Response:

Correct the error and rerun the job.

9486E BQL FIELD *fieldname* NOT DEFINED**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

A BQL field should be used, but is not available.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9487W TSO ENVIRONMENT MISSING**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

The TSO command was executed without the corresponding TSO environment.

System Action:

Operation continues. The program execution is suspended but not terminated.

Operator Response:

Correct the error and rerun the job.

9488E DDNAME *ddname* CAN NOT BE OPENED**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

An error occurred during the opening of a dataset.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9489E ERROR ACCESSING DATABASE - INFOCODE *irc* :*text***Written to:**

RPGTRACE/RPGSCAN.

Explanation:

An error occurred during the database access.

The infocode *irc* provides more information on the nature of the error.

IRCs < 1000 belong to BSA components and are described in "Database codes" on page 489.

IRCs >= 1000 are product-specific and therefore described in the *Messages and Codes* of the corresponding product.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9490W CONVSTR RESULT DOES NOT FIT IN THE DESTINATION**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

The source value is too long for the destination field.

System Action:

Operation continues. The program execution is suspended but not terminated.

Operator Response:

Correct the error and rerun the job.

9491E *field* CANNOT BE SHORTER THAN *n* CHARACTERS**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

The displayed field is too short.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9492E THE FIELD *fieldname* ACCESSED BY A GETDATA COMMAND IS NOT DEFINED**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

The GETDATA command is getting data for a unknown variable.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9493E A INTERNAL DESCRIPTOR *descriptor* FOR A GETDATA COMMAND IS NOT DEFINED**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

The internal descriptor must be defined for the GETDATA command.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9494W DELSTR SOURCE FIELD LONGER THAN DESTINATION**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

The DELSTR source field exceeds the size of the destination field.

System Action:

Operation continues. The program execution is suspended but not terminated.

Operator Response:

Correct the error and rerun the job.

9495E A SUBSYSTEM SPECIFIC ERROR OCCURRED. SEE THE FOLLOWING MESSAGE**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

The subsystem terminated with an error message.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9496W FORMATTED REPORT LINE *Line* IS LONGER THAN THE OUTPUT RECORD LENGTH**Written to:**

RPGTRACE/RPGSCAN.

Explanation:

A report line is longer than the defined output record length.

line line number or line name defined

System Action:

The message appears only when this error arises for the first time. The system continues processing.

Operator Response:

Correct the output record length or report line definition.

9497E RECORD LONGER THAN PARAMETER LRECL IN *ddname***Written to:**

RPGSCAN.

Explanation:

The current record is longer than the value specified in the parameter LRECL for the respective DDNAME.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9498E INVALID DCB PARAMETER IN *ddname* FOUND**Written to:**

RPGSCAN.

Explanation:

An invalid DCB parameter was found for the specific DDNAME.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9499E DDNAME *ddname* NOT FOUND**Written to:**

RPGSCAN.

Explanation:

The specified DDNAME could not be found in the current job.

System Action:

The program execution is terminated.

Operator Response:

Correct the error and rerun the job.

9500 - 9599 Data Management Facility (DMF) messages

9500W NO SPOOL MODEL DEFINED - CONTINUE (Y/N)

Written to:

Operator console.

Explanation:

The system has run out of spool space and needs to allocate and format a new spool dataset. But the system was unable to find a model definition for the new spool dataset.

System Action:

List processing is suspended until you reply to this message.

Operator Response:

Define a new model spool dataset definition and then reply **Y**. This will start the add spool function, which will allocate and format a new spool file.

9502E BQL SPEEDMASTER FUNCTION HAS BEEN SUPPRESSED, REGION VALUE TOO SMALL

Written to:

SYSLOG, JESMSG LG.

Explanation:

The product has been started and an attempt was made to activate the BQL speedmaster function with the buffer value defined for DATA and/or KEY files in the database definition file. The BQL speedmaster function could not be activated because of lack of storage.

System Action:

The Beta product started task or batch job cannot be started.

Operator Response:

Run *Bnn*CLSYN to clear the SYNC file, increase the REGION value in the JCL of the started task or batch job, and try to restart the product.

If the error persists, you have to reduce the buffer value defined for the DATA and/or KEY files in the database definition file. Proceed as follows:

1. Run *Bnn*CLSYN to clear the SYNC file (see "Clearing the SYNC file" in *BSA Installation and System Guide*).
2. Run BST05UPF to reduce the buffer value defined for the DATA and/or KEY files in the database definition file.

Start the program with the LST parameter BQL_SPEEDMASTER = NO. For more information on the parameters of BST05UPF, see "Updating file information in the database definition file (BST05UPF)" in *BSA Installation and System Guide*.

3. Start the product.

Make sure that you start the product with the LST parameter BQL_SPEEDMASTER = YES. Otherwise serious performance problems could occur.

9503W A2G_SUPPORT HAS BEEN SUPPRESSED, MEMLIMIT VALUE TOO SMALL OR MISSING (SNAME: *filename* BUFFER: *nn*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The product has been started and an attempt was made to activate the BQL speedmaster function with the buffer value defined for DATA and/or KEY files in the database definition file. Storage above the 2GB bar is used for BQL speedmaster buffers because A2G support is activated (LST parameter A2G_SUPPORT = YES), but storage above the 2GB bar could not be allocated. *filename* is the short name (logical name) of the database component. *nn* is the number of buffers (in 4K blocks) to be used by the BQL speedmaster function.

System Action:

The product is started without A2G support. The BQL speedmaster buffers are created below the bar. When the STC disables A2G support during startup, it limits the maximum value for BQL speedmaster buffers to 512 per file. If you have specified higher values in your database definition file, these values will be temporarily reduced, but the values in the database definition file are not changed. It is possible to continue working as normal with reduced buffer values.

Operator Response:

The likely cause for this message is that the MEMLIMIT value is too small.

To enable A2G support and work with the specified buffer sizes above the 2GB bar, add the MEMLIMIT parameter in the JCL with an appropriate value. Refer to the IBM z/OS literature for more information on how to use MEMLIMIT. Stop and restart the product for changes to take effect.

If the MEMLIMIT value cannot be changed, reduce the buffer values that are defined in the database definition file. Proceed as follows:

1. Stop the product.
2. Run BST05UPF to reduce the buffer value defined for the DATA and/or KEY files in the database definition file.

Start the program with the LST parameter BQL_SPEEDMASTER = NO. For more information on the parameters of BST05UPF, see "BST05UPF: Updating file information in the database definition file" in *BSA Installation and System Guide*.

3. Start the product.

Make sure that you start the product with the LST parameter BQL_SPEEDMASTER = YES. Otherwise serious performance problems could occur.

9504E INVALID DATABASE FORMAT FOR BSA V4**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A Beta product has been activated. The database format in use is invalid for BSA version 4 databases.

System Action:

The product started task (STC) ends with RC=16.

Operator Response:

Determine the reason for the error and eliminate it. Check whether a valid BSA version 4 database has been entered under the DD statement *BnnDEF* in the started task procedure. Then restart the Beta product. If no valid BSA version 4 database is available, start the database conversion. See your relevant Beta product *Release Notes and Update Instructions* and documentation for more information on how to convert BSA version 3 databases to BSA version 4 databases.

9505E V3 DATABASE CONVERSION WAS NOT SUCCESSFUL**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The conversion of a BSA version 3 database to a BSA version 4 database format has been started. During the conversion an error has occurred. Message 9505W will come up and detail the reason for the error.

System Action:

The job ends with RC=8.

Operator Response:

Determine the reason for the error, eliminate it, and restart the job. If you cannot resolve the error, contact Beta Systems support (see "Calling for support" on page 498).

9505W V3 DATABASE FILE COULD NOT BE CONVERTED: *file***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The conversion of a BSA version 3 database to a BSA version 4 database format has been started. During the conversion an error has occurred. *file* shows the name of the database file where the error occurred.

System Action:

The conversion continues with the other files of the database. The job ends with RC=8. When then a version 4 product is activated, the file in use will be set to ERROR.

Operator Response:

Determine the reason for the error, eliminate it, and restart the job. If you cannot resolve the error, contact Beta Systems support (see "Calling for support" on page 498).

9505I V3 DATABASE HAS BEEN SUCCESSFULLY CONVERTED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A BSA version 3 database has been converted to a BSA version 4 database. The conversion could successfully be completed.

System Action:

The conversion program or the job ends with RC=0. The converted database can now be used for Beta products which use BSA version 4 databases.

Operator Response:

None.

9506I DATABASE INITIALIZATION COMPLETE

9506I ACTIVE DATABASES ARE:

9506I	DATABASE NAME	ID	HA-RBA	HU-RBA	STATUS
9506I	<i>database</i>	<i>fid</i>	<i>ha_rba</i>	<i>hu_rba</i>	<i>status</i>
9506I	----- END OF DATABASES -----				

Written to:

SYSLOG, JESMSGLG.

Explanation:

The DMF initialization process has completed. This table shows one or more DMF datasets which are now connected to the system. The following table describes the information shown.

DATABASE NAME	The name of the dataset.
ID	The internal file ID used by the system to address this dataset.
HA_RBA	The high-allocated relative byte address (RBA) of the dataset.
HU_RBA	The high-used relative byte address (RBA) of the dataset.
STATUS	The status of the dataset. Valid status values are: <ul style="list-style-type: none"> OPN The dataset is open and can be used. MOD The dataset is a model dataset. FUL The dataset is full. EMP The dataset is empty. ERR The dataset is in error and cannot be used. ONL The dataset is read-only.

System Action:

None.

Operator Response:

None.

9507I DATABASE STATISTICS SUMMARY

9507I ACTIVE DATABASES ARE:

9507I	DATABASE NAME	ID	PUTS	GETS	STATUS
9507I	-----	-----	-----	-----	-----
9507I	<i>datasetname</i>	<i>id</i>	<i>puts</i>	<i>gets</i>	<i>status</i>
9507I	-----END OF DATABASE STATISTICS -----				

Written to:

SYSLOG, JESMSG LG.

Explanation:

The DMF termination process has completed. This table shows one or more DMF datasets which were processed by the system. The following list describes the table above:

- DATABASE NAME The name of the dataset.
- ID The internal file ID used by the system to address this dataset.
- PUTS The total number of times an ESDS block was written to this dataset.
- GETS The total number of times an ESDS block was read from this dataset.
- STATUS The status of the dataset. Valid status values are:
 - OPN The dataset is open and can be used.
 - MOD The dataset is a model dataset.
 - FUL The dataset is full.
 - EMP The dataset is empty.
 - ERR The dataset is in error and cannot be used.
 - FEX The dataset has the status format extend error, which will be reset when the database is initialized.
 - ONL The dataset is read-only.

System Action:

None.

Operator Response:

None.

9508I FORMAT REQUEST OF 'dataset' TYPE(*type*) CAN NOW BE EXECUTED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The format error status of dataset '*dataset*' with the type '*type*' has been successfully reset (Option **D.1**, line command **RX**). The dataset will be extended dynamically if free space is below the minimum level (defined via high water mark) or if line command **X** is entered under option **D.1**.

<i>dataset</i>	name of the dataset	
<i>type</i>	dataset type	
	DATA	data file
	KEY	key file

System Action:

None.

Operator Response:

None.

9509I FORMAT OF 'dataset' TYPE: *type* HAS BEEN INITIATED BY USER: *user***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The formatting of the dataset '*dataset*' with the type '*type*' has been initiated by the specified user (online option **D.1**, line command **F** for spool files and line command **X** for key or data file).

<i>dataset</i>	name of the dataset	
<i>type</i>	dataset type	
	SPOOL	spool dataset
	CACHE	cache dataset
	INDEX	index dataset
	GLOBL	global index dataset
	DATA	data file
	KEY	key file

System Action:

An extent is formatted for the specified dataset.

Operator Response:

None.

9510I FORMAT OF 'dataset' TYPE: type ACTIVATED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The formatting of the dataset '*dataset*' with the type '*type*' has been initialized.

<i>dataset</i>	name of the dataset
<i>type</i>	dataset type
	SPOOL spool dataset
	CACHE cache dataset
	INDEX index dataset
	GLOBL global index dataset
	DATA data file
	KEY key file

System Action:

The formatting is started.

Operator Response:

None.

9511I FORMAT OF 'dataset' TYPE: type ENDED SUCCESSFULLY**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The formatting of the dataset '*dataset*' with the type '*type*' has been successfully completed.

<i>dataset</i>	name of the dataset
<i>type</i>	dataset type
	SPOOL spool dataset
	CACHE cache dataset
	INDEX index dataset
	GLOBL global index dataset
	DATA data file
	KEY key file

System Action:

The system continues processing.

Operator Response:

None.

9512E FORMAT OF 'dataset' TYPE: type FAILED (RC: rc T: tb/hwm%)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

An error has occurred during the formatting process of the dataset 'dataset' with the type 'type':

<i>dataset</i>	name of the dataset
<i>type</i>	dataset type
	SPOOL spool dataset
	CACHE cache dataset
	INDEX index dataset
	GLOBL global index dataset
	DATA data file
	KEY key file
<i>rc</i>	return code
<i>tb</i>	total number of blocks currently allocated
<i>hwm</i>	high water mark (in percent) defined for this dataset

System Action:

Error status (ERR) or format extension error status (FEX) is set for the specified dataset.

Operator Response:

Try to determine the reason for the error and notify your system administrator. If the error is caused by lack of space on available volumes, create extra space on these volumes or add other volumes to the definition of the dataset. Depending on the product, you can also free space in the existing database via the product's cleanup jobs.

If the problem has occurred during the dynamic extension of a data or key file, the status of the database has to be reset in order to enable its dynamic extension (line command **RX** in the "Dataset Definition Selection" table (option D.1)). The FEX status is also reset when the STC is restarted.

9515E ALLOCATION ERROR DURING STARTUP (*ssid*) FOR DATASET *dataset name***Written to:**

Operator console, as a highlighted message.

Explanation:

This message comes up when the system is starting and an error occurs while databases or spool files are opened.

ssid subsystem ID of the system

dataset name name of the dataset where the error occurred

System Action:

The displayed dataset is set into error status (ERR). The start of the system is being continued but the system is not fully in operation and will not function faultlessly.

Operator Response:

Inform your system administrator and correct the error with the help of the start-up protocol.

9520E DD-STATEMENT *ddname* MISSING**Written to:**

SYSLOG, JESMSG LG.

Explanation:

DD statement *ddname* for the definition file was not defined within JCL of the job.

System Action:

The database is set in error and the STC is stopped.

Operator Response:

If the error occurs directly after installation, correct the JCL and restart the STC. Otherwise contact Beta Systems support (see "Calling for support" on page 498).

9521E KEYFILE NOT FOUND : *filename***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The definition file does not contain the definition for the keyfile *filename*.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9522E MIRRORFILE NOT FOUND : *filename***Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file does not contain the definition for the mirror file *filename*.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9523E MIRROR KEYFILE NOT FOUND : *filename***Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file does not contain the definition for the mirror keyfile *filename*.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9524E MIRROR KEYFILE MISSING : *filename***Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file does not contain a mirror keyfile definition. Since there is a mirror file definition for file *filename*, the corresponding mirror keyfile has to be defined as well.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9525E NO MIRROR FILE HAS BEEN DEFINED FOR FILE: *filename***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The definition file contains a mirror keyfile definition, although no mirror file has been defined for file *filename*.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9526E CONFLICTING DATASET NAMES**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The definition file contains conflicting statements about the dataset names of data file and mirror file, or keyfile and mirror keyfile.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

If the error occurs directly after installation, check the installation job for inconsistencies (for example, same dataset name for file and mirror file). Rerun the installation job, if necessary. Otherwise contact Beta Systems support (see "Calling for support" on page 498).

9527E INCONSISTENT CI SIZE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The definition file contains inconsistent statements about the CI size of data file and mirror file, or keyfile and mirror keyfile.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

If the error occurs directly after installation, check the CI size of the file and mirror file in the installation job. Rerun the installation job, if necessary. Otherwise contact Beta Systems support (see "Calling for support" on page 498).

9528E INCONSISTENT USE-RBA *filename***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The used relative byte address for the data file and mirror file or the keyfile and mirror keyfile are not identical.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

If the error occurs directly after installation, examine the space specifications in the installation job and check whether an error occurred during the format job. Rerun the installation job, if necessary. Otherwise contact Beta Systems support (see "Calling for support" on page 498).

9529E INCONSISTENT ALC-RBA *filename***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The allocated relative byte address for the data file and mirror file, or for the keyfile and mirror keyfile are not identical.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

If the error occurs directly after installation, examine the space specifications in the installation job. Rerun the installation job, if necessary. Otherwise contact Beta Systems support (see "Calling for support" on page 498).

9530E INCONSISTENT FILETYPE *filename***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The definition file contains inconsistent statements about the filetype of file and mirror file, or keyfile and mirror keyfile.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9531E FIELD: *fieldname* NOT FOUND**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file does not contain the definition for the field *fieldname*.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9532E PRODUCT NOT FOUND: *name***Written to:**

SYSLOG, JESMSGLG.

Explanation:

The product which is defined in the definition file could not be found.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Make sure you are using the definition file that belongs to the product. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9533E NO FIELDS DEFINED FOR TABLE: *tablename***Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file contains the definition for table *tablename* without defining any fields for this table.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9534E FILE: *filename* NOT FOUND**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file assigns a table or key to the file *filename*, but does not contain the definition for this file.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9535E FILE: *filename* IN ERROR**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file assigns a table or key to the file *filename*, but this file was set in error.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Check the installation jobs which define and format the datasets for any errors. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9536E FILE: *filename* NO DATAFILE**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file assigns a table or key to the file *filename*, but this file is not a data file.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9537E TABLE: *tablename* NOT FOUND**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file contains field definitions for table *tablename* without defining this table.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9538E TABLE: *table name* IN ERROR**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file contains field definition for table *table name*, but this table was set in error.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Check the installation jobs which define and format the datasets for any errors. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9539E FIELD: *fieldname* NOT IN TABLE**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file contains a key definition for the field *fieldname*, but this field is not part of the corresponding table.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9540E DEFFILE NOT OPENED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The definition file could not be opened.

System Action:

The STC is stopped.

Operator Response:

Check whether the definition file in the JCL of the STC is correct. If the error persists, contact Beta Systems support (see "Calling for support" on page 498).

9544E SYNCFILE READ | WRITE [*rba* | ERROR BLOCK2]**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The z/OS system reported an error while trying to read the syncfile.

rba relative byte address

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9545E MASTER SUBSYSTEM IN USE, SSID = *ssid*
9545E JOB = *jobname*
9545E PROD = *productname*
9545E PLEX = *sysplexname*
9545E DSN = *sync.data*

Written to:

SYSLOG, JESMSGLG.

Explanation:

A second master (STC or batch job) has tried to sign on to a database which is already in use. The message provides the following information about the subsystem that is using the database:

- Subsystem ID *ssid*
- Jobname
- Product name of the master that has control over the database
- Name of the sysplex
- Dataset name of the SYNC file

This message may also be issued if the started task or job that had control over the database last was terminated improperly.

System Action:

The second master (STC or batch job) is terminated.

Operator Response:

None if the STC or batch job *jobname* is active. In this case, the active STC or batch job has control over the product database, and it is normal that other STCs or batch jobs are prevented from gaining control.

If the STC or batch job *jobname* has terminated improperly, the obsolete entry in the SYNC file prevents your STC or batch job from taking control over the database. Do one of the following:

- Restarting the STC or rerunning the batch job
An existing entry in the SYNC file prevents other subsystems from taking control over the database, but it does not prevent the same subsystem from regaining control. Subsystem-related information in the SYNC file is checked during restart. The entry in the SYNC file will be removed when the STC is stopped or the batch job terminates properly.
If an STC or batch job has terminated abnormally, another subsystem from the same sysplex (same GRS complex) is allowed to gain control over the database. A GRS enqueue safeguards against several subsystems taking control of the same database.
- Running *BnnCLSYN*
You can run job *BnnCLSYN* to clean the SYNC file (see "BnnCLSYN: Cleaning the SYNC file" in *BSA Installation and System Guide*).

9546I SPOOL FILES:*n* SPOOL MODELS:*n* TOTAL CYLINDERS OF SPOOL MODELS:*n*
9546W SPOOL FILES:*n* SPOOL MODELS:*n* TOTAL CYLINDERS OF SPOOL MODELS:*n*

Written to:

JESMSG LG.

Explanation:

This message is written by Beta Systems products to provide information on their spool file usage. It is written during startup and when the Beta Systems product requests a spool model to increase available spool space.

The message is of type information if the remaining number of spool models is okay. The message is of type warning if the remaining number of spool models is too low. The warning threshold is defined via the LST parameter BQL_SPOOLCHECK_MODEL.

System Action:

Processing continues.

Operator Response:

If the message is of type information: None.

If the message is of type warning: Add more spool file models.

9547E SYNCFILE MISSING

Written to:

SYSLOG, JESMSG LG.

Explanation:

The definition file does not contain a syncfile definition.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9548I FILE: *name* IS MODEL

Written to:

SYSLOG, JESMSG LG.

Explanation:

The file *name* is to be used. The system has determined that the file still has the status MODEL, i.e. it has been created but not yet formatted.

System Action:

The file has not been used and set to the status ERROR.

Operator Response:

The file must be formatted before it can be used (BST05FOR).

9549W DEFINED MAXSIZE (*maxblocks/nnn%*) FOR '*dataset*' HAS BEEN REACHED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The formatting of the dataset '*dataset*' has been successfully completed. This warning message is written because MAXSIZE has been defined for this dataset. This message warns the administrator that the specified MAXSIZE value has been reached:

maxblocks Maximum number of blocks according to MAXSIZE

nnn% Percentage of allocated space in relation to MAXSIZE

System Action:

The system continues processing.

Operator Response:

None.

9549I nn% OF MAXSIZE - '*dataset*' (T: *totalblocks* M: *maxblocks*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The formatting of the dataset '*dataset*' has been successfully completed. This informational message is written because MAXSIZE has been defined for this dataset. This message provides information of the current state of growth of the dataset in relation to the MAXSIZE value:

totalblocks Total number of blocks currently allocated

maxblocks Maximum number of blocks according to MAXSIZE

System Action:

The system continues processing.

Operator Response:

None.

9550W HIGH WATER MARK REACHED *nn%/dsname***Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

This message informs the console operator that additional space has to be made available for dataset *dsname* because the high water mark defined for this dataset has been reached. *nn* percent of the available space for this dataset has already been used.

This message should not occur if you work with dynamic databases. If it does anyway, this indicates that an automatic extend has ended in error (see message 9512E).

System Action:

Processing continues.

Operator Response:

Enlarge the database with help of the appropriate job (B88DBENx for Beta 88, *BnnDBENL* for all other products). When enlarging the database of a product, follow the instructions in the Installation and System Guide for this product. Depending on the product, you can also free space in the existing database with the help of the product's cleanup jobs.

9551I DATA BASE RECOVERY IN PROGRESS FOR FILE *xx***Written to:**

Operator console.

Explanation:

The automatic database recovery started for file *xx*, where *xx* is the internal file ID. The message is accompanied by a list of blocks which are recovered.

System Action:

None.

Operator Response:

None.

9552E DATA BASE RECOVERY ENDED WITH ERROR *return code***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The automatic database recovery could not be successfully processed. The return code displays the error code.

System Action:

None.

Operator Response:

None.

9552I DATA BASE RECOVERY FOR FILE *file ID* SUCCESSFUL**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The automatic database recovery could successfully be processed for the displayed file *file ID*.

System Action:

None.

Operator Response:

None.

9553E CONFLICT IN THE TIMESTAMP-DATABASE *dsn***Written to:**

SYSLOG, JESMSGLG.

Explanation:

At system start-up process, a backup database has been located. Therefore inconsistencies between databases are detected.

System Action:

The database is set in error and cannot be accessed.

Operator Response:

Please check which backup databases are used and then contact Beta Systems support (see "Calling for support" on page 498).

9554I STATUS INFORMATION FOR *ssid: status* (INITTYPE: *type*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Message 9554I accompanies message 9556I and provides more information on the connection error and on the status of the master system.

ssid is the subsystem ID of the master system.

status is the status of the master system and can be one of the following:

ACTIVE	Master is active.
INACTIVE	Master is not active.
NO SCCT/NO SSCA	Master subsystem has not been defined to z/OS or has not been initialized using BST01ARI.
INVALID VERSION	Master subsystem has been initialized with the wrong BSA version.
INVALID SVC INIT	Master subsystem has been initialized with an invalid BETA SVC.
INVALID SVC LEVEL	Master subsystem has been initialized with an invalid level of the BETA SVC.
XCF QUERY ERROR	Master subsystem has been initialized with XCF; no further information for XCF could be retrieved.

type can be one of the following (or a combination thereof):

LOCAL	Master is on the local LPAR.
REMOTE	Master is on another LPAR.
UNKNOWN	Type could not be retrieved.
XCF	Master has been XCF-initialized.
OCF	Master has been OCF-initialized.
GOTO_OCF	Parameter GOTO_OCF has been specified during initialization.
XM_OCF	OCF connection is using cross memory (XM).

System Action:

The slave system continues retrying to connect at 60-second intervals. 9556I and 9554I continue to be written when a new connection attempt fails.

Operator Response:

Activate the BQL master subsystem.

9555I BQL-MASTER IS CONNECTED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A subsystem or batch job is connected to the BQL master.

System Action:

None.

Operator Response:

None.

9556I STC IS WAITING FOR A CONNECTION WITH BQL-MASTER *ssid* (RC: *rc* WRC: *wrc* WIRC: *wirc*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A BQL DB slave system has been started. The corresponding master system with the subsystem ID *ssid* could not be reached. *wrc* and *wirc* indicate the return code and reason code of the connection error (see "Subsystem connection errors" on page 474). *rc* indicates the generated global return code (normally RC=24 - Subsystem not available).

9556I is accompanied by message 9554I, which provides more information on the error and on the status of the master system.

System Action:

The slave system continues retrying to connect at 60-second intervals. Messages 9556I and 9554I continue to be written when a new connection attempt fails.

Operator Response:

Activate the BQL master subsystem.

9557I DATABASE INITIALIZATION WITH VERSION: *dbstart-PTF/dbwork-PTF***Written to:**

SYSLOG, JESMSG LG.

Explanation:

This message displays the BQL PTF levels:

dbstart-PTF PTF level of BST05SIN*dbwork-PTF* PTF level of BST05LMN**System Action:**

None.

Operator Response:

None.

**9558I DATABASE FUNCTION WILL BE ACTIVATED AS MASTER|SLAVE /
[SHAREOPTION(*shareoption*) /] M-SSID: *masterssid* / SPCK(YES|NO)**

Written to:

SYSLOG, JESMSG LG.

Explanation:

The database function will be activated as a master or slave system. The following information is included in this message:

1. SHAREOPTION(*shareoption*)

shareoption can be one of the following values:

- | | |
|-------|---|
| NO | Only the master system is allowed to access the database. All database requests (BQL and SPOOL) from a slave system are sent to the master system, which processes these requests. |
| SPOOL | Both master and slave are allowed to access the SPOOL files. All BQL database requests from the slave system are sent to the master system, which processes these requests. |
| ALL | Each system (master and slave) handles its database requests (BQL and SPOOL) by accessing the database directly. |

For more information, see the description of the LST parameters BQL_SHARE_OPTION and BQL_MASTER_SSID in *BSA Installation and System Guide*. SHAREOPTION(*shareoption*) is not output if DD *BnnDEF* is not present or DUMMY.

2. M-SSID: *masterssid*

masterssid is the subsystem ID of the master STC.

3. SPCK(YES|NO)

Value of the LST parameter BQL_SPOOLCHECK, which controls whether the master STC is to carry out a spool check at startup.

System Action:

None.

Operator Response:

None.

9559I CHECK CMD: *command*

9559I CHECK RC: *return code*

Written to:

SYSLOG, JESMSG LG.

Explanation:

The system has activated a command to check certain database inconsistencies. During the process an error occurred. *command* displays the command involved while the *return code* shows the return code. For more information on the return code, see the respective Beta product documentation.

System Action:

The product functionality involved in the check may not be processed. This depends on the implementation of the checking process.

Operator Response:

Please inform Beta Systems support (see "Calling for support" on page 498).

9560E [*source*] *description* / FID : *fid*

Written to:

SYSLOG, JESMSG LG.

Explanation:

Either the VSAM dataset could not be found, or an error occurred. The various components of the message are as follows:

<i>source</i>	Program source (blank or -VSM-)
<i>description</i>	Details on the error like: FILE NOT FOUND FILE IN ERROR FILE IS MODEL
<i>fid</i>	File ID where the error occurred

System Action:

The dataset cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9561E COMMAND UNDEFINED *nnn***Written to:**

SYSLOG, JESMSG LG.

Explanation:

Undefined error in program or dataset.

System Action:

The dataset cannot be accessed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9562E VSAM ERROR FILEID *file ID* RBA *rba* FEEDBACK *reason***Written to:**

SYSLOG, JESMSG LG.

Explanation:

Undefined error in program or dataset. *rba* stands for the relative byte address. *reason* shows the VSAM reason code.

System Action:

The dataset cannot be accessed.

Operator Response:

Refer to the IBM manual describing VSAM reason codes generated after a VSAM dataset I/O request. If you cannot solve this error, please contact Beta Systems support (see "Calling for support" on page 498).

9564E RBA NOT FOUND FILEID *file ID* RBA *rba***Written to:**

SYSLOG, JESMSG LG.

Explanation:

Undefined error in program or dataset. *rba* stands for the relative byte address.

System Action:

The dataset cannot be accessed.

Operator Response:

Refer to the IBM manual describing VSAM reason codes generated after a VSAM dataset I/O request. If you cannot solve this error, please contact Beta Systems support (see "Calling for support" on page 498).

9566E user SPS CMD INFO RC *irc***Written to:**

SYSLOG, JESMSGLG.

Explanation:

A general error occurred during the execution of an SPS (spool service) command; the information code *ic* describes the error condition. For information on the meaning of *irc*, see "Database codes" on page 489.

System Action:

Depends on the type of error.

Operator Action:

Depends on the type of error.

9567E MAXBUFF VALUE HAS BEEN REACHED <X>**Written to:**

SYSLOG, JESMSGLG.

Explanation:

An undefined error in a program or a dataset has occurred.

System Action:

The dataset cannot be accessed.

Operator Response:

Refer to the IBM manual describing VSAM reason codes generated after a VSAM dataset I/O request, for example, *MVS/DFP Macro Instructions for Data Sets*. If you cannot solve this problem, please contact Beta Systems support (see "Calling for support" on page 498).

9570E DATABASE ERROR DETECTED (REC) *table name*

(KEY) *key name*

(RBA) *key name*

(SIR) *file name*

Written to:

SYSLOG, JESMSGLG.

Explanation:

A database error has been detected. REC means a table error has occurred, KEY or RBA refers to a key error, SIR a file (identification) error.

System Action:

The database cannot be accessed.

Operator Action:

Please contact Beta Systems support (see "Calling for support" on page 498).

9570W WAITING FOR SLAVE, SSID *ssid*, JOB *jobname***Written to:**

SYSLOG, JESMSG LG.

Explanation:

At the master system, the activation of a new database sharing option is being tried but due to the slave system which is still active, the new database sharing option cannot come into effect.

System Action:

The database sharing options have not changed.

Operator Action:

Stop the slave system and retry the process.

9570I DATABASE REQUEST TO '*request*' WAS RECEIVED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BQL command LOCK|UNLOCK DATABASE was received. *request* describes the type of command (LOCK or UNLOCK).

System Action:

The command is prepared for execution.

Operator Response:

None.

9571I DATABASE REQUEST '*request*' HAS BEEN PERFORMED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The initiated BQL command LOCK | UNLOCK DATABASE was executed successfully. *request* describes the type of command (LOCK or UNLOCK)

System Action:

If the request is LOCK, the entire database is now locked. Commands that only read the database (for example, Select) continue to be processed, but the execution of commands that would cause a change to the database (for example, Insert, Update, etc.) is stopped. For the requestor of such a command, this means that he is shifted to the WAIT status until the release of the database, and can execute no other activities until then.

If the request is UNLOCK, the database is released again for working, i.e. the stopped requests (for example, Insert, Update, etc.) are carried out.

Operator Response:

None.

9572W DATABASE REQUEST '*request*' WAS NOT INITIATED (RC: *rc* / RSN: *reason*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BQL command LOCK|UNLOCK DATABASE was not initiated for the targeted subsystem ID.

request describes the type of command (LOCK or UNLOCK).

The meaning of *rc* is described in "Database codes" on page 489.

reason can be 0|1|2 and is used for internal problem analysis.

System Action:

The command is not executed.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9572I DATABASE REQUEST '*request*' HAS BEEN INITIATED FOR SSID *ssid***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BQL command LOCK | UNLOCK DATABASE was initiated for subsystem ID *ssid* successfully. *request* describes the type of the command (LOCK or UNLOCK)

System Action:

The respective command is executed.

Operator Response:

None.

9573I SSID '*ssid*' APPEARS TO BE INOPERATIVE OR IS INACTIVE**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BQL command LOCK DATABASE was executed. This command involves a check of the subsystems connected to the database. This check showed that the displayed subsystem *ssid* is no longer in operation or active.

System Action:

The entry found for the subsystem *ssid* is ignored. The LOCK request for the database is executed. The system continues working.

Operator Response:

None.

9574W SHUTDOWN DURING DATABASE LOCK HAS BEEN INITIATED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The database is in the LOCK state. Database requests (e.g., INSERT/UPDATE) were found in the queue. An operator command for stopping the started task was entered during the LOCK state.

System Action:

The database requests found in the queue were rejected with an error and the respective product function ended in error. The started task was stopped or ended.

Operator Response:

None.

9574I COMMAND '*cmd*' WAS SENT TO SSID *ssid***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BQL command *cmd* (LOCK|UNLOCK DATABASE) has been sent to the subsystem ID *ssid*.

System Action:

The batch job that initiated the command waits for the execution of the command.

Operator Response:

None.

9575E ERROR (*description*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The program BST05LAU, which is used for locking (LOCK) or unlocking (UNLOCK) a database, has been called up. An error has occurred during this process. *description* shows more details on the error. The following description may appear:

- PARAMETERS ARE NOT COMPLETE
- THERE IS SOMETHING WRONG WITH THE PARAMETERS
- PARAMETER SSID MISSING
- COMMA MISSING
- PARAMETER SSID IS TOO LONG
- PARAMETER STAT MISSING
- PARAMETER STAT IS TOO LONG
- PARAMETER STAT IS NEITHER LOCK NOR UNLOCK
- PARAMETER STAT IS NOT LOCK
- PARAMETER STAT IS NOT UNLOCK
- SSID *ssid* NOT AVAILABLE
- BQL_ONL_EXEC RC: *rc*
- DATABASE *ssid* HAS ALREADY BEEN LOCKED
- INFO.IRC: *return code*

return code shows the BQL return code (see "Database codes" on page 489).

System Action:

The locking (LOCK) or unlocking (UNLOCK) of the database has not been processed.

Operator Response:

Try to eliminate the error. For more information, see "Databases and database batch utilities" in *BSA Installation and System Guide*.

9575I COMMAND '*cmd*' HAS BEEN EXECUTED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The BQL command *cmd* (LOCK|UNLOCK DATABASE) has been successfully executed.

System Action:

The batch job that initiated the command continues processing.

Operator Response:

None.

9580E TABLE *tablename* HAS BEEN DEFINED BUT NOT ALLOCATED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Table *tablename* has been defined in the database definition file, but this table has not (yet) been allocated in the database.

System Action:

Requests that affect this table cannot be completed.

Operator Action:

None if the message occurs during the allocation step of a database update job. Otherwise please contact Beta Systems support (see "Calling for support" on page 498).

9581E KEY *keyname* HAS BEEN DEFINED BUT NOT ALLOCATED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Key *keyname* has been defined in the database definition file, but this key has not (yet) been allocated in the database.

System Action:

Requests that affect this key cannot be completed.

Operator Action:

None if the message occurs during the allocation step of a database update job. Otherwise please contact Beta Systems support (see "Calling for support" on page 498).

9588I TABLE STATISTICS SUMMARY
 9588I NAME READSEL. READSELW READGES. READGESW INSERT UPDATE DELETE
 9588I -----
 9588I *values*
 9588I -----

Written to:

SYSLOG, JESMSG LG.

Explanation:

While starting the product the BQL statistics function has been switched on with the keyword BQL_STATISTIC. The product is terminated.

System Action:

The statistics values found are written in the job log of the started task (STC) or of the batch job.

Operator Response:

None.

9596I/9596E/9596W, 9597I/9597E/9597W, 9598I/9598E/9598W,
 9599I/9599E/9599W trace messages

Written to:

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA DMF/BQL component or of another general BSA component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None.

9599I HWM CHANGED FROM *old%* TO *new%*

Written to:

SYSLOG, JESMSG LG.

Explanation:

The high water mark (HWM) of a database has been changed online via the "Dataset Information Panel" (Option **D.1**).

old indicates the old value in percent, and *new* indicates the new value.

System Action:

The system continues processing.

Operator Response:

None.

9700 - 9799 Base Output Facility (BOF) messages

9706E BIND NOT SUPPORTED, PRINTER *name* REJECTED

Written to:

Operator console.

Explanation:

A session initiation was attempted with a logmode which is not supported.

System Action:

The session initiation is rejected.

Operator Response:

Use FMPROF 2 or 3, LU type 0, 1 or 3.

9710W THE *name* SUPPORT HAS NOT BEEN ACTIVATED

Written to:

Operator console.

Explanation:

None of the above-mentioned functions (*name*) is available.

name VTAM PRINT, PC PRINT, TCP/IP

System Action:

The system continues processing.

Operator Response:

To activate one of the functions (*name*), correct the LST member, i.e. enter the parameters necessary for at least one of the respective functions in the LST member.

9710I LU *Luname* ACB SUCCESSFULLY OPENED, VTAM VERSION '*version*'

Written to:

Operator console.

Explanation:

The Base Output Facility subsystem is now in session with VTAM version *version* and can accept logons.

System Action:

None.

Operator Response:

None.

9711E LU *Luname* ACB OPEN ERROR (*rc*)**Written to:**

Operator console.

Explanation:

Open of ACB *luname* failed.

System Action:

The Base Output Facility subsystem is waiting for the STOP command. Return code is R15 + ACBERFLG field.

Operator Response:

Refer to the *ACF VTAM Reference Summary* for interpretation of ACB open error codes.

9712E LU '*Luname*' ACB UNCONDITIONALLY CLOSED**Written to:**

Operator console.

Explanation:

Due to an error the VTAM PRINT ACB has been closed. Carrying on with this function is not possible.

System Action:

If only the function VTAM PRINT has been activated, the started task will be stopped.

Operator Response:

To go on working, stop the started task. Solve the error which causes the closing of the ACB. Then restart the started task.

9712I THE *name* SUPPORT IS TO BE ACTIVATED**Written to:**

Operator console.

Explanation:

The support of the functions which have been entered in *name* is requested. The parameters must have been entered in the LST member. It has to be at least one of them.

name VTAM PRINT, PC PRINT, TCP/IP

System Action:

The system initializes the functions entered.

Operator Response:

None.

9713I THE *name* SUPPORT SUCCESSFULLY ACTIVATED**Written to:**

Operator console.

Explanation:

The *name* support has been successfully initialized.

name VTAM PRINT, PC PRINT, TCP/IP

System Action:

None.

Operator Response:

None.

9730E PRINTER ENTRY NOT FOUND, PRINTER *name* REJECTED**Written to:**

Operator console.

Explanation:

A printer attempted a session initiation but the control block was not found.

System Action:

The session initiation is rejected.

Operator Response:

Retry the print request or restart the started task.

9735I LOSTERM EXIT FOR LU *Luname* SCHEDULED; REASON=*rc* CID=*id***Written to:**

Operator console.

Explanation:

A session was terminated due to an unconditional logoff or the line is no longer available.

rc VTAM return code

id the VTAM session ID is displayed

System Action:

The system closes the session *luname*.

Operator Response:

Please try to logon again. If the message persists and the logon does not complete, ask your VTAM system programmer to get this error resolved.

9736I LOSTERM EXIT SCHEDULED. LU ALREADY CLEANED UP**Written to:**

Operator console.

Explanation:

The LOSTERM exit was scheduled for a LU which is no longer in session with VTAM.

System Action:

None.

Operator Response:

None.

9737W FCB '*name*' INVALID FOR PRINTER '*Luname*', DEFAULTS FOR LPI AND LPP WILL BE USED**Written to:**

SYSLOG, JESMSGLG.

Explanation:

A print request has been started for a printer, EMF or PCF with the name '*luname*'. An FCB has been entered in the request which contains invalid values, e.g. 0 has been entered as a field length.

System Action:

The FCB will be ignored. The default values entered for LPI (lines per inch) and LPP (lines per page) will be used. The format of the output produced may be wrong. The system continues processing.

Operator Response:

Correct the FCB and restart the print request.

9740I NSEXIT EXIT FOR LU *Luname* SCHEDULED. TYPE=*type***Written to:**

Operator console.

Explanation:

An unrecoverable error occurred in the network.

System Action:

The session *name* is closed due to a *type* request in NSEXIT. *type* can be CLEANUP, NOTIFY, or NSPE.

Operator Response:

Please attempt a logon again. If message persists and logon does not complete, ask your VTAM system programmer to get this error resolved.

9741I NSEXIT EXIT SCHEDULED. LU ALREADY CLEANED UP**Written to:**

Operator console.

Explanation:

The NSEXIT exit was scheduled for a LU which is no longer in session with VTAM.

System Action:

None.

Operator Response:

None.

9745I RELREQ EXIT FOR PRINTER *name* SCHEDULED**Written to:**

Operator console.

Explanation:

Another application tries to access a printer which is currently working for Beta 93.

System Action:

The printer resource will be released as specified in the Distribution Characteristic in 'Release Request'.

Operator Response:

None.

```

9750I PRINTER  TYP  STATUS  LOGON-TIME  PPAGES      BUFL
9750I                (SENSE/F1F2F3F4F5/LOGMODE/LINES)
9750I name      type a/b/c  logon time  printed pages buffer length
9750I                sense code/internal use/logmode/number of lines

```

Written to:

Operator console, SYSLOG, JESMSG LG.

Explanation:

The following table explains the values returned:

PRINTER	printer name or LU <i>luname</i>
TYP	The printer types displayed are:
LU1	SCS printer
LU2	LU type 2 printer
LU3	LU type 3 printer
LU6	PCF-print or APPC-print
IP	PCF-print or APPC-print via a TCP/IP connection
?	The printer type could not yet be identified.

STATUS <i>a/b/c</i>	<p>a stands for the current print request; possible values are:</p> <ul style="list-style-type: none"> O OPEN/LOGON for the printer P Print C Close T Temporary open I Sending information to the PCF printer ? Undefined request <p>b defines the logon open request type used for the VTAM printer; possible values are:</p> <ul style="list-style-type: none"> Y Request will be inserted into a queue Applications using the printer will be given the request type so that they can release the printer. The open request will stay in queue as long as the printer is available, e.g. switched on. N Request will not be inserted into a queue When the printer is busy or not available, e.g. switched off, the LOGON will be rejected and not be inserted into a VTAM waiting queue. <p>c stands for printer status flags; possible values are:</p> <ul style="list-style-type: none"> 8 Printer is active 4 Printer is pending 2 Printer intervention (for example, paper jam) C Combination of 8 and 4 E Combination of 8, 4, and 2 A Combination of 8 and 2 6 Combination of 4 and 2 <p>After that, one of the following digits may appear:</p> <ul style="list-style-type: none"> 4 information on the bracket protocol is passed on x any other digit is for internal use
LOGON-TIME	The exact logon/activation time of the printer is displayed here in the following format: hh:mm:ss:hshs.
PPAGES	The number of pages actually printed by the printer is displayed in this column.

BUFL The buffer length is displayed. The SEND command informs the printer of the buffer length. The length of the buffer is determined by the RU size of the logmode used for the printer.

Additional Information:

SENSE The VTAM sense code or a Beta-specific sense code is displayed (see "TCP/IP and VTAM codes" on page 482).

F1F2F3F4F5 These special printer status flags are for internal use only. See the printer status flag table below.

LOGMODE The logmode name which has been chosen for the printer is displayed.

LINES The number of lines is displayed. This number is internal and does not necessarily correspond with the actual number of printed lines.

System Action:

None.

Operator Response:

None. If status 44 comes up repeatedly during the use of a particular printer and VTAM print requests for other printers are waiting, deactivate the printer where status 44 occurs via the appropriate VTAM operator commands, and then reactivate it.

FLAG1	x'80'	Negative response received.
	x'40'	Out of service.
	x'20'	Device previously disconnected.
	x'10'	Device has been reconnected.
	x'08'	Connected.
	x'04'	Close destination issued.
FLAG2	B'80'	Simlogon issued.
	B'40'	Simlogon scheduled.
	B'20'	Simlogon completed.
	B'10'	Completed successfully.
FLAG3		For internal use.
FLAG4	x'80'	Release request issued.
	x'40'	Trace is active for printer.
	x'20'	Trace is active. Set operator command.

	x'10'	Snap is active for printer.
	x'01'	Logical trace is active.
FLAG5		Reserved for future use.

9751I PRINTER *printer name* NOT FOUND**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

No print requests are available in Beta 07. When the operator console command F BETA07,DPRT LUNAME has been coded, the printer name will be displayed. Otherwise the message will be displayed without a particular printer name. For an explanation of the BOF operator console commands, see the *_beta doc|z Installation and System Guide*.

System Action:

None.

Operator Response:

None.

9754E PRINTER *luname* EXCEPTION RESPONSE - SENSE *sense (x1/x2)***Written to:**

Operator console.

Explanation:

An unexpected response after RECEIVE EXCEPTION RESPONSE from printer *name* was encountered. The following describes the values returned:

x1 VTAM RPL return code and feedback code

x2 bracket indicator

System Action:

The print session with *luname* is terminated.

Operator Response:

Contact your VTAM system programmer.

9755E PRINTER *luname* INTERVENTION REQUIRED - SENSE *sense* x1/x2 (x3/x4)**Written to:**

Operator console.

Explanation:

Corrective intervention is required at printer *luname*. The following describes the values returned:

- x1 VTAM RPL return code and feedback code
- x2 bracket indicator
- x3 replaced with the contents of the RPLRTNCD field of the RPL request
- x4 replaced with the contents of the RPLRH3 field of the RPL request

Please consult your IBM manuals for an explanation of RPL requests.

System Action

The print session with *luname* is terminated.

Operator Response:

Correct the device state or contact your VTAM system programmer.

9760I LU *luname* SENSE x1 ECB x2 RS/FB x3 x4 TYPE x5**Written to:**

Operator console.

Explanation:

A printer attempted a logon but an error occurred. The following explains the values returned:

- x1 VTAM sense code
- x2 internal use
- x3 VTAM request return code
- x4 VTAM request feedback code
- x5 internal use

System Action

Logon rejected.

Operator Response:

Refer to your IBM manuals for an explanation of the accompanying sense code. Correct the device state or contact your system programmer.

9761E LU Luname SND-ERR (R15: x1 R0: x2 RTCD: x3 S: x4 D: x5 B: x6**Written to:**

SYSLOG, JESMSG LG.

Explanation:

An error occurred while sending data to a printer.

<i>luname</i>	luname of the printer
<i>x1</i>	VTAM request return code
<i>x2</i>	VTAM request information return code
<i>x3</i>	VTAM RPL return code and feedback code
<i>x4</i>	VTAM sense code
<i>x5</i>	data to be sent in hexadecimal format (the first 10 digits maximum)
<i>x6</i>	bracket indicator: 80 begin bracket 40 end bracket

System Action

The request is rejected. Operation continues.

Operator Response:

Refer to your IBM manuals for an explanation of the accompanying sense and return codes. Correct the device state or contact your system programmer.

9764I CHAINING FOR x1-PRINTERS x2 HAS BEEN ACTIVATED**Written to:**

Operator console.

Explanation:

Buffer chaining has been activated for the LU type entered by using the operator command ASETCHN. Alternatively, the operator command DSETCHN may have been used for activation. The *Beta 07* started task has been activated by using the LST parameter B07_CHAIN_x1.

<i>x1</i>	LU type 1 or 3
<i>x2</i>	the size of the buffer chain entered is displayed here (in bytes), only if LU type 1 is in use

System Action:

The system initializes the parameters entered and works accordingly.

Operator Response:

None.

9765I CHAINING FOR x1-PRINTERS HAS NOW BEEN DEACTIVATED**Written to:**

Operator console.

Explanation:

Buffer chaining has been deactivated for the displayed LU type (*x1*) by using the operator command ISETCHN.

x1 LU type 1 and 3, or LU type 1 or 3

System Action:

The system cannot process buffer chaining.

Operator Response:

None.

9766I BRACKET PERMISSION IS *type* IN EFFECT**Written to:**

Operator console, or SYSLOG and JESMSGLOG when LST parameters have been used.

Explanation:

While trying to log onto a printer, a data flow control command (BID) that is used to request permission to start a bracket either has or has not been sent. *type* will be replaced by:

not the bracket permission request (BID) has not been sent

now the bracket permission request (BID) has been sent

This is depending on the parameters coded in the LST parameter B07_BRACKET_PERM while starting the STC or depending on the MODIFY command ASETCHN or SETCHN for Beta07.

System Action:

The system initializes the parameters entered and processes accordingly.

Operator Response:

None.

9767E LOGON-RESPONSE TIMEOUT-VALUE HAS BEEN REACHED FOR LU '*luname*'**Written to:**

Operator console.

Explanation:

The maximum allowed response time for executing a printer logon request for printer '*luname*' has been exceeded.

luname VTAM luname

System Action:

The logon request is disrupted. The displayed sense code is X'55090001'.

Operator Response:

Use accompanying VTAM messages to determine the cause of the error. Correct the error and retry the logon request.

9767I LOGON-RESPONSE TIMEOUT-VALUE OF x MINUTE(S) HAS BEEN ACTIVATED**Written to:**

Operator console, or SYSLOG and JESMSGLOG when LST parameters have been used.

Explanation:

The maximum allowed response time activated for executing a printer logon request has been set to x minute(s). If the maximum allowed time has been exceeded and the logon to the printer could not be successfully carried out in the allowed period of time, the request will be disrupted. The displayed sense code will be X'55090001'.

x timeout value entered in minutes

System Action:

If the allowed period of time has been exceeded, the logon request will be disrupted.

Operator Response:

None.

9768I CHAINING FOR x1-PRINTERS HAS BEEN ACTIVATED x2**Written to:**

SYSLOG, JESMSG LG.

Explanation:

While starting the Beta 07 started task with the help of the LST parameter B07_CHAIN_x1, buffer chaining has been activated for the LU type entered.

x1 LU type 1 or 3

x2 the size of the buffer chain entered is displayed here (in bytes), only if LU type 1 is in use

System Action:

For LU1 printers the system uses the size for the buffer chain as it was entered. If a LU3 printer is in use, the system automatically uses the buffer chain size according to the settings in the logmode.

Operator Response:

None.

9800 - 9899 Archive messages

9801E DYNAMIC ALLOCATION ERROR, RC (*rc*), INFOC (*infoc*)

Written to:

Operator console.

Explanation:

An error occurred while attempting to allocate or deallocate an archive dataset during archive processing. In this message *rc* and *infoc* are the return code and information code, respectively, returned from dynamic allocation processing.

System Action:

Operation continues.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9801I ARCHIVE/RELOAD STARTED WITH PTFVLV(*PBS number*)

Written to:

SYSLOG, JESMSG LG.

Explanation:

Archiving or reloading has been started. The message shows the current PTF level of the archive module.

System Action:

The respective request - archiving or reloading - is executed. The system continues processing.

Operator Response:

None.

9802I ARCHIVE/RELOAD ENDED

Written to:

SYSLOG, JESMSG LG.

Explanation:

Archiving or reloading completed successfully.

System Action:

The system continues processing.

Operator Response:

None.

9811I SEQUENTIAL RELOAD IS SET VIA KEYWORD**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Reloading has been started. The archive volume is read in a sequential manner because the LST parameter B08_RELOAD_SEQ = YES has been coded.

System Action:

The reload request is executed. The system continues processing.

Operator Response:

None.

9812I RELOAD IS STARTED VIA KEYWORD AND NOT VIA CATALOG**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Reloading has been started. A parameter previously entered in an LST keyword defines that information for the archive dataset coming from the system catalog will be ignored.

System Action:

The request is executed. The system continues processing.

Operator Response:

None.

9813I RELOAD FROM SECONDARY DATASET IS SET VIA KEYWORD**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Reloading has been started. A parameter previously entered in an LST keyword defines that reloading is to be started from the secondary archive dataset.

System Action:

The request is executed. The system continues processing.

Operator Response:

None.

9814I RELOAD FROM PRIMARY DATASET IS SET VIA KEYWORD**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Reloading has been started. A parameter previously entered in an LST keyword defines that reloading is to be started from the primary archive dataset.

System Action:

The request is executed. The system continues processing.

Operator Response:

None.

9817W JOB IS WAITING FOR VOLUME (*voLume name*) REPLY 'RETRY', WAIT OR 'CANCEL'**Written to:**

Operator console.

Explanation:

An error occurred while attempting to allocate an archive dataset during archive processing. Here, the operator is requested to determine further processing.

System Action:

The system retries the allocation if 'RETRY' is entered. The system aborts the allocation attempt (and records are not archived) if 'CANCEL' is entered.

Operator Response:

Determine why no tape unit is available and place any available offline tape units online before replying 'RETRY'. Else, reply 'CANCEL' if the allocation request should be skipped.

9818W NO TAPE UNIT AVAILABLE. REPLY 'RETRY', WAIT OR 'CANCEL'**Written to:**

Operator console.

Explanation:

An error occurred while attempting to allocate an archive dataset during archive processing. Here, the operator is requested to determine further processing.

System Action:

The system retries the allocation if RETRY is entered. The system aborts the allocation attempt (and records are not archived) if CANCEL is entered.

Operator Response:

Determine why no tape unit is available and place any available offline tape units online before replying RETRY. Else, reply CANCEL if the allocation request should be skipped.

9819I JOB IS WAITING FOR VOLUME**Written to:**

Operator console.

Explanation:

For a period of 15 minutes, the message will flash on once every minute. After 15 minutes, the message 9818W will be displayed where you will be requested to decide further processing.

System Action:

None.

Operator Response:

None.

9821I COPIED DATASET FLAG IS SET TO DSNAME(*dataset*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Reload has accessed the archive dataset *dataset* in the standard manner using pointers to lists because the parameter B08_RELOAD_SEQ is NO or not set. Positioning in this archive dataset has failed because the dataset has been reblocked. The archive dataset must therefore always be read sequentially during reloading.

System Action:

This dataset is read sequentially during reloading. The copied dataset flag is set for this dataset in the product database to ensure that all future reloads from this dataset will be sequential. The system continues processing.

Operator Response:

None.

9832I SEQUENTIAL RELOAD IS SET VIA COPIED DATASET FLAG**Written to:**

SYSLOG, JESMSG LG.

Explanation:

During a previous reload, the copied dataset flag has been set for this archive dataset (see message 9821I).

System Action:

The archive dataset is read sequentially during reloading. The system continues processing.

Operator Response:

None.

9832I SEQUENTIAL RELOAD IS SET VIA COPIED DATASET FLAG**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Reloading has been started. A copy flag has been set in the archive dataset that reloading is to be started from the secondary archive dataset.

System Action:

The request is executed. The system continues processing.

Operator Response:

None.

9841I RELOAD IS NOT STARTED VIA CATALOG DUE TO A CATALOG ERROR RC: *rc***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The message only informs you that the reloading has been started as usual - not via catalog but via dataset record information. The system catalog contains necessary information which could not be read or which are invalid. See the return code *rc* for the reason.

rc please consult your IBM manuals for an explanation of the return code

System Action:

If the necessary information cannot be found in the system catalog, the system accesses the information in the dataset record. The system continues processing.

Operator Response:

None. Additional messages can be found in your Beta product logs.

9842I RELOAD IS STARTED VIA ADR INFO AND NOT VIA CATALOG**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Reloading has been started. Information contained in table ADR of the archive database will be used for the reload process. The information for the archive dataset contained in the system catalog will be ignored.

System Action:

The request is executed. The system continues processing.

Operator Response:

None.

9850I RETRIEVAL TIMEOUT HAS BEEN SET TO *nn* SEC.**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Retrieval time has been set in seconds.

System Action:

The volume that was used last remains in the device until the timeout is reached. The system is waiting for a new request. If no new request comes in, then the volume is removed from the device. The number of seconds until timeout is the value set in the LST member
OBJ_RETRIEVAL_TIMEOUT = during the start-up of the started task.

Operator Response:

None.

9851I RETRIEVAL TIMEOUT HAS BEEN CHANGED TO *nn* SEC**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The original value of the LST parameter OBJ_RETRIEVAL_TIMEOUT has been changed while the system was running.

System Action:

None.

Operator Response:

None.

9852W RETRIEVAL DEVICES ARE DORMANT**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The value of the LST parameter OBJ_RETRIEVAL_DEVICES was 0 during startup.

System Action:

None.

Operator Response:

Change value in the LST member to reset the system.

9852I RETRIEVAL DEVICES HAVE BEEN SET TO *nn***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The number of devices has been set via the LST parameter OBJ_RETRIEVAL_DEVICES during STC startup. The message 9850I is valid for each single device.

System Action:

None.

Operator Response:

None.

9852I RETRIEVAL DEVICES HAVE BEEN REDUCED TO *nn***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The value specified via the LST parameter OBJ_RETRIEVAL_DEVICES during start-up was decreased while the system was running. The value can only be decreased, but not increased from the original value entered in the LST member during start-up.

System Action:

None.

Operator Response:

None.

9853W RETRIEVAL HAS BEEN SET TO DORMANT**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The value of the LST parameter OBJ_RETRIEVAL_DEVICES during start-up was set to 0 while the system was running.

System Action:

None.

Operator Response:

None.

9854W RETRIEVAL ORDER IS INVALID (01-16) AND HAS BEEN SET TO 01**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The value of LST parameter OBJ_RETRIEVAL_ORDER has been changed while the system was running. However, the specified value is invalid.

System Action:

The system sets the value to 01.

Operator Response:

None or change the value online.

9854I RETRIEVAL ORDER HAS BEEN SET TO *nn***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The retrieval result of the multiple archive has been set via the LST parameter OBJ_RETRIEVAL_ORDER during the start-up of the started task

System Action:

None.

Operator Response:

None.

9855I RETRIEVAL ORDER HAS BEEN CHANGED TO *nn***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The original value value of the LST parameter OBJ_RETRIEVAL_ORDER has been successfully changed while the system was running.

System Action:

None.

Operator Response:

None.

9860I RETRIEVAL *type* TRACE IS SWITCHED ON | OFF**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Retrieval trace, which is controlled via the LST parameter `OBJ_RETRIEVAL_TRACE_type`, has been successfully changed while the system is running. *type* can be one of the following:

COMMAND All archive commands are traced.
ALLOC All alloc and dealloc strings are traced.
RESERVE All archive enqueues and dequeues are traced.

System Action:

None.

Operator Response:

None.

9865E *ddname* DD-STATEMENT MISSING**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The DD statement *ddname* could not be found in the JCL of the job or the started task. Therefore the job could not be processed.

System Action:

The system could not process the appropriate function.

Operator Response:

Insert the DD statement *ddname* in the JCL of the job or the started task and restart the job.

**9896I/9896E/9896W, 9897I/9897E/9897W, 9898I/9898E/9898W,
9899I/9899E/9899W trace messages****Written to:**

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA BAF component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

None.

9900 - 9999 VTAM Dialog Facility (VDF) messages

9902I TAKING FORMATTED DUMP FOR USER *userid*

Written to:

Operator console.

Explanation:

This message informs you that an SFF dump is taken for user *userid*.

System Action:

A formatted SFF dump is being taken if the SFFFDUMP DD statement is allocated in the started task JCL.

Operator Response:

None.

9903I ABEND SYSTEM DUE TO REQUEST FROM USER *userid*

Written to:

Operator console.

Explanation:

A user requested the function to abend.

System Action:

The function abends with user abend code U0222. A panel is displayed showing the register contents at the time of the abend and at the time of the last SFF call.

Operator Response:

In the displayed panel you can indicate that a formatted SFF dump is to be taken. It is written to the SFFFDUMP DD statement.

9904W ABEND FROM USER: *userid* GROUP: *BETA product* LAST PANEL: *panel id* TERMINAL: *Luname* FCB: *Logon name* PROGRAM *program name*, LP (*Load address*), FAILED AT PSW *abend code* WITH U *user number/S system number*

Written to:

SYSLOG, JESMSGLG.

Explanation:

A session is terminated due to an abnormal program end. The message explains where the abend comes from. Information on the following is displayed:

USER: *userid*, GROUP: the name of the *Beta* product, LAST PANEL: the last called panel ID, TERMINAL: *luname*, FCB: the internal logon name. After that, information on the abnormally ended program appears concerning the program name, the load address, and the abend code with the user number or system number.

System Action:

The session is terminated and the user is automatically logged on.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498). Include the SYSLOG in your problem report.

9905W ABEND OCCURRED DURING JOB SUBMISSION

Written to:

SYSLOG, JESMSGLG.

Explanation:

While a job was being submitted from a Beta STC, for example, an attempt was made to submit it with the RACF rights of the submitting user. This resulted in an abend. You will find additional information in the SYSLOG and JESMSGLG.

System Action:

The request (e.g. submit job) is not executed, the started task continues working.

Operator Response:

Determine the cause of the error, eliminate it and repeat the request. If you cannot identify the cause of the error, contact Beta Systems support (see "Calling for support" on page 498).

9906E BIND NOT SUPPORTED, TERMINAL *Luname/Logmode name* REJECTED**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

A session initiation was attempted with a logmode which is not supported.

System Action:

The session initiation is rejected.

Operator Response:

Use FMPROF 2 or 3.

9906W VDF PRIMARY PANEL *panel ID1* IS INVALID, *PnB9*PRIM WILL BE USED**Written to:**

Operator console.

Explanation:

The started task has been activated. The LST parameter B09_PRIMARY_PANEL *panel ID1* is invalid. At the third and fourth position of the parameter it is not allowed to enter numeric values, e.g. PE00PRIM is invalid, but PEB4PRIM can be used.

System Action:

The system is using the LST parameter B09_PRIMARY_PANEL *PnB9*PRIM instead (where *n* stands for the language E, F, or G).

Operator Response:

Correct the LST parameter and restart the started task.

9907E ABEND DURING USER EXIT *name* PROCESSING**Written to:**

Operator console.

Explanation:

An abend occurred during processing of the VTAM Dialog Facility user exit *name*.

System Action:

The function abends and an SFF dump is taken.

Operator Response:

Stop the started task. Check the dump and correct the error in user exit *name*. Restart the started task.

9908E LOGON FAILED FOR USER *userid***Written to:**

Operator console.

Explanation:

A user attempted a logon to the VTAM Dialog Facility, but the logon was unsuccessful.

System Action:

Logon for user *userid* was rejected, for example, because no more memory is available.

Operator Response:

Stop the started task and restart it. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

9910E SERVICE '*service*' FAILED WITH RC (*rc*) (PANEL:*panel ID*) DURING USER LOGON**9910E ISPF-SERVICE ERROR OCCURRED FOR USER: *userid***

9910E 1. PARAMETER: *parm1*

9910E 2. PARAMETER: *parm2*

9910E 3. PARAMETER: *parm3*

9910E 4. PARAMETER: *parm4*

9910E 5. PARAMETER: *parm5*

9910E 6. PARAMETER: *parm6*

9910E 7. PARAMETER: *parm7*

9910E 8. PARAMETER: *parm8*

Written to:

Operator console.

Explanation:

When the service has failed during the user logon, the message informs you about which service is involved. The service *service* was called by a VDF batch job but the service failed. *service* can be, for example, any ISPF service. *panel ID* shows the panel where the error occurred. The succeeding lines show the parameters with which the service was called. The message is only issued when the return code of the service is 12 or higher. The message is followed by message 9911A.

System Action:

The batch job is put in wait status until you reply to message 9911A.

Operator Response:

Reply to message 9911A.

9911A OVERRIDE TERMINATION AND ATTEMPT TO CONTINUE? REPLY 'YES' OR 'NO'**Written to:**

Operator console.

Explanation:

The service displayed in message 9910E returned a high return code. You can determine what is to be happen to the batch job which received the return code.

System Action:

If you reply NO, the batch job terminates with RC=32. If you reply YES, the return code returned by the service *service* is passed to the calling program.

Operator Response:

Reply either YES or NO to this message.

9915I LOGON PROCESS OF VAF USER(S) IS ASYNCHRONOUS**Written to:**

Operator console.

Explanation:

The message comes up during VDF startup time. By default, the logon process is performed simultaneously. When the VDF parameter B09_LOGON=ASY is used, the asynchronous logon process for native VTAM users (VAF) is activated. CAF and IAF are not affected and are handled, as usual, simultaneously. **Note:** The asynchronous logon process needs more storage capacities. Therefore, the logon process is performed simultaneously, as before.

System Action:

The logon process for VAF users is performed simultaneously.

Operator Response:

Check whether the messages 9916E through 9919E contain any error messages.

9916E LU 'luname' CANNOT BE CONNECTED - RC = rc, REASON: reason**Written to:**

Operator console.

Explanation:

The VDF logon exit has been scheduled. The logon request for the terminal *luname* cannot be performed due to the reason *reason*. One of the following return codes *rc* can appear:

8 Retry is possible.

16 Retry is not possible.

One of the following reasons can appear:

SHUTDOWN VDF shutdown in progress

SERVER MISS. the VDF logon server is not available

DISCONNECT LU has been disconnected in the meantime

System Action:

The logon process is terminated and the LU *luname* is disconnected, if possible.

Operator Response:

If the reason SERVER MISS. comes up, check the startup messages.

If message 9920E has occurred, stop VDF, increase the region size, and restart VDF.

If message 9920I indicates that the logon server is active, check whether other logon requests are also affected for the same reason. If this is the case, please contact Beta Systems support (see "Calling for support" on page 498). Include the output of the console commands `F b09stc,STATUS` and `F b09stc,LISTUSER=ALL` in your problem report.

9917E LOGON FAILED ON Luname FOR connection type USER**Written to:**

Operator console.

Explanation:

A non-simultaneous logon for the terminal *luname* could not be performed, for example, due to insufficient storage allocation.

System Action:

None.

Operator Response:

Deactivate the LU *luname* with the help of VTAM commands and then reactivate it. If the error persists increase the region size of the VDF started task.

9917I LOGON REQUESTED ON *luname*. (FCBID=*transaction number* /VAF)**Written to:**

Operator console.

Explanation:

The logon server of the VDF has activated an asynchronous logon process for the terminal *luname*. *transaction number* stands for an internal use number.

System Action:

None.

Operator Response:

None.

9918E LOGON-RESPONSE TIMEOUT-VALUE HAS BEEN REACHED FOR LU *luname***Written to:**

Operator console.

Explanation:

During the logon process the LU *luname* has not responded to a VTAM request within the set time limit entered in the parameter B09_RESPONSE_TIMEOUT. VDF cannot determine the reasons. For more information see message 9919E.

Note: When the time limit (in minutes) has not been entered in the parameter B09_RESPONSE_TIMEOUT in the VDF LST member, VDF will perform a WAIT command. VDF cannot stop the logon and has to be stopped. We recommend that you use the parameter B09_RESPONSE_TIMEOUT when message 9919E comes up which contains VTAM errors, such as reason LU LOST.

System Action:

The system tries to free the LU *luname* using VTAM methods.

Operator Response:

When such messages become more frequent, increase the value in the parameter B09_RESPONSE_TIMEOUT. See the *BSA VAF/CAF/IAF Installation and System Guide* for more information.

Note: The new value will come into effect after restarting VDF.

If the error persists, contact your VTAM administrator or do the following: Determine all messages as well as the VTAM messages concerning the appropriate LU to determine the reason for the error, for example, determine the LU status with the help of VTAM commands. Check whether any limitations in your environment may have caused the error. Determine and check the physical LU.

9918I LOGON-RESPONSE TIMEOUT-VALUE OF '*nn*' MINUTES HAS BEEN ACTIVATED**Written to:**

Operator console.

Explanation:

The message comes up at startup time. The VDF parameter B09_RESPONSE_TIMEOUT=*nn* has been coded. It determines the maximum number of minutes that VDF waits for a response from a VTAM request during a logon process. As a prerequisite, the logon process must be performed in an asynchronous way. The timeout during logon processes does not affect CAF and IAF.

System Action:

The logon process is terminated when the timeout value is exceeded.

Operator Response:

None.

9919E LOGON REJECTED ON *luname* FOR VAF USER - REASON: *reason* AT *log_on_phase* CC: *rc* / *irc*, RC/SENSE: *rc2/sense***Written to:**

Operator console.

Explanation:

The message may be as follows: VDF9919E LOGON REJECTED ON TNTA302 FOR VAF USER - REASON: LU LOST AT OPEN CC: 16/00, RC/SENSE: 000020/55090002

The logon for the terminal *luname* has been rejected due to VTAM or some internal errors.

The following VTAM errors may occur:

TCT/MISS	Internal error
SESSLOST	LU disconnected in the meantime
SHUTDOWN	VDF shutdown in progress
LU LOST	LU no longer responding
FAILED	VTAM error

log_on_phase stands for one of the following:

OPEN	Establishes a session between VDF and LU
BB	Asks for permission to begin a bracket
QUERY	Performs a query

The following codes are included in the message:

<i>rc</i>	VTAM request or internally set return code (8 - function shutdown, 16 - LU lost)
<i>irc</i>	VTAM information return code or 0
<i>rc2</i>	VTAM RPL or internally set return code (20 - other error detected by application)
<i>sense</i>	VTAM sense code or internally set pseudo sense code (5509xxxx)

The following pseudo sense codes for VDF may occur:

55100000	VTAM error
55100001	STC shutdown
55100002	Session lost, LU has not responded within the set time period
55100003	LU has been closed by an application
55100004	Open to connect the LU after VDF has failed
55100005	Disconnect (CLSDST) failed
55100006	Permission request to begin a bracket failed
55100007	Reset failed
55100008	Query failed

The VTAM information has precedence over the return or sense code information. The system not only displays the last system status but also tries to display the reason for the situation.

<i>sense</i>	VTAM sense code or internally set pseudo sense code (5509xxxx)
--------------	--

System Action:

Attempt to establish a session between VDF and LU is rejected or terminated.

Operator Response:

When the pseudo sense code 55090002 or the reason LU LOST appears, enter a value in the LST parameter B09_RESPONSE_TIMEOUT to prevent a hang-up situation.

Refer to your IBM manuals for an explanation of the accompanying sense and return codes. Consult your VTAM specialist for VTAM errors. For more information on pseudo sense code = 5509xxxx, see "TCP/IP and VTAM codes" on page 482.

9920E VTAM LOGON SERVER OF VDF FAILED - REASON: INSUFFICIENT STORAGE**Written to:**

Operator console.

Explanation:

The logon server of the VDF could not be successfully activated.
Insufficient memory available for the VDF logon server.

System Action:

The function is terminated.

Operator Response:

Increase the region size of your started task and restart VDF.

9920I VTAM LOGON SERVER OF VDF *action***Written to:**

Operator console.

Explanation:

The VTAM logon server of VDF has been started or stopped. *action* stands for 'started' or 'stopped'.

System Action:

None.

Operator Response:

None.

9922I PASSPHRASE SUPPORT FOR VDF HAS BEEN SPECIFIED**Written to:**

Operator console.

Explanation:

The LST parameter B09_PASSPHRASE_SUPPORT has been set to YES.
VDF has recognized this LST parameter during initialization.

System Action:

VDF will use a logon menu with longer input fields to enable users to also enter passphrases instead of passwords.

Operator Response:

Check which message is output upon first use of a passphrase during logon:

- Message 9923I indicates that passphrase support is available. (BST09XIN provides the required support.)
- Message 9924E indicates that passphrase support is not available. (BST09XIN does not provide the required support.)

9923I PASSPHRASE SUPPORT IN VDF HAS BEEN ACCEPTED BY UXSIN**Written to:**

Operator console.

Explanation:

The LST parameter B09_PASSPHRASE_SUPPORT has been set to YES. This message is output by VDF following the first successful use of a passphrase during user logon.

System Action:

Users can use passphrases when logging on.

Operator Response:

None.

9924E *case* IN VDF HAS BEEN DISABLED - REASON: *reason* [(RC: *rc*)]

9924E *case* IN VDF COULD BE INVALID - REASON: *reason* [(RC: *rc*)]

Written to:

Operator console.

Explanation:

This message is output by VDF upon first detection that passphrase support (or security in general) cannot be ensured (see *case*). *reason* shows why passphrase support or security cannot be ensured. *rc* is the RC returned by the UXSIN exit. RC=355 indicates invalid use of the UXSIN exit.

case can be one of the following:

PASSPHRASE SUPPORT	Passphrases are rejected or cannot be checked
SECURITY	Neither passphrases nor passwords can be checked or invalid use of the UXSIN exit (default name: BST09XIN)

reason can be one of the following:

EXIT IS INVALID TYPE	UXSIN exit does not fulfill the required Beta-specific connection requirements (e.g. IEFBR14)
EXIT ADDRESS MISSING	UXSIN exit address could not be found
EXIT RETURNS INVALID PARAMETERS	UXSIN exit returned invalid manipulated parameters
EXIT NEEDS READ ON STC SECURITY PROFILE	UXSIN exit returned RC=4, but the STC user does not have READ access to the RACF profile BETA. <i>ssid</i> .SECURE. UXSINCONTROL.ALLOW in the FACILITY class

EXIT NEEDS ALTER ON STC SECURITY PROFILE	UXSIN exit returned RC=4, the logon user ID does not exist, but the STC user does not have ALTER access to the RACF profile BETA. <i>ssid</i> .SECURE. UXSINCONTROL.ALLOW in the FACILITY class
EXIT MISSING	No security exit (UXSIN) has been specified in B09SSIxx.
EXIT HAS NO FUNCTION	The security exit specified in B09SSIxx has no function (IEFBR14).
SKIPPED VIA OLD EXIT	An old security exit is active, which does not support passphrases. The exit has returned RC=4 (Ignore RACF check).
DENIED BY OLD EXIT	An old security exit is active, which does not support passphrases. The exit has returned RC=8 (Deny request).
REJECTED BY EXIT	Passphrase support is not activated because the active security exit has returned RC=12 (DENY PASSPHRASE).
DENIED BY EXIT	Passphrase support is not activated because the active security exit has rejected the specified passphrase with RC=8.
INVALID EXIT VERSION	An old security exit is active, which does not support passphrases.

System Action:

If case = SECURITY, the logon user is checked or not checked depending on the installed security environment for secure logon and the STC user's access to the related RACF profiles.

If case = PASSPHRASE SUPPORT, there is no support of passphrases. Passwords can be used if this is allowed by RACF.

Operator Response:

You can use the MODIFY command `F stcname,ST` to check the version of the active security initialization/termination exit (BST09XIN).

If *reason* indicates a missing or non-functional exit and this is not what you want, specify a valid exit in B09SSIxx and reinitialize the security environment.

If *reason* indicates an old exit, provide a current exit that includes passphrase support and reinitialize the security environment.

If *reason* is REJECTED/DENIED BY [OLD] EXIT, provide an exit that includes passphrase support and reinitialize the security environment. Alternatively, set B09_PASSPHRASE_SUPPORT to NO to disable passphrase support.

9924W SECURITY IN VDF HAS BEEN DISABLED - REASON: *reason***Written to:**

Operator console.

Explanation:

This message is output by VDF upon first detection that security cannot be ensured. *reason* shows why security cannot be ensured:

EXIT MISSING	No security exit (UXSIN) has been specified in B09SSlxx.
EXIT HAS NO FUNCTION	The security exit specified in B09SSlxx has no function (IEFBR14).

System Action:

The system authorization environment for VDF is not initialized, i.e. no ACEE is made available to the user. There is no security check.

Operator Response:

If this is not what you want, make a valid security initialization/termination exit (BST09XIN) available to the VDF started task. For more information, see "BST09XIN: Security initialization/termination exit" in *CAF/VAF/IAF Installation and System Guide*.

**9924I LOGON SECURITY AVAILABLE - EXIT (NAME: *name* LENGTH: *length*)
INSTALLED SUCCESSFULLY****Written to:**

SYSLOG, JESMSG LG.

Explanation:

The VDF STC has been started. It has verified that the UXSIN security exit, which is required for secure logon access, has been completely installed. *name* is the name of the security exit and *length* its length.

It is also possible to verify this information regarding UXSIN via the following operator console command:

```
F stcname,ST
```

System Action:

The system continues processing.

Operator Response:

None.

9925I FUNCTION *name* ENDED WITH RC (*rc*)**Written to:**

Operator console.

Explanation:

This message informs you that function *name* ended with return code *rc* during normal shutdown operating.

System Action:

VTAM Dialog Facility system shutdown in progress.

Operator Response:

None.

9926W LOGON SECURITY PROFILE *racf-profile* IS REQUIRED (READ/ALTER) TO SUPPORT EXIT-RC=4**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The VDF STC has been started. It was detected that logon access to the system is handled via a valid security exit UXSIN. If the exit returns RC=4, the RACF profile BETA.*ssid*.SECURE.UXSINCONTROL.ALLOW must be defined in the FACILITY class. The STC user must have READ or ALTER access to this profile. If the STC user does not have access, all logon attempts where the exit returns RC=4 will be rejected.

System Action:

The system continues processing.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

9926I STC HAS access ACCESS FOR PROFILE *racf-profile***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The VDF STC has been started. It was detected that logon access to the system is handled via a valid/invalid security exit UXSIN if RC=4 is returned by the exit. User ID and password are always checked if RC=0 is returned by the exit.

access	<i>racf-profile</i>	Possible logon reaction
READ	BETA. <i>ssid</i> .SECURE.UXSINCONTROL.ALLOW	Logon via exit (RC=4)
ALTER	BETA. <i>ssid</i> .SECURE.UXSINCONTROL.ALLOW	Logon via exit (RC=4)
ALTER	BETA. <i>ssid</i> .SECURE.NOLOGONCHECK.ALLOW	Logon via invalid exit generally allowed

System Action:

The system continues processing and future logon attempts will be handled accordingly.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

9927A THE CONDITIONS FOR A SECURE LOGON VIA VDF ARE NOT MET, ALLOW UNSECURED LOGON? (NO/YES)**Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The VDF STC has been started. It has verified that logon access to the system has not been secured. This can be caused by one or more of the following:

- The secure logon feature has not been installed.
- The security exit UXSIN has not been installed.
- The RACF profile BETA.ssid.SECURE.NOLOGONCHECK.ALLOW could not be found.

Access to this RACF profile confirms the use of insecure logon.

System Action:

The start process pauses until the REPLY has been received. Further action of the VDF STC depends on the REPLY.

NO Forbids potentially insecure logon. The STC terminates.

YES Allows potentially insecure logon. The start process continues.

Operator Response:

Refuse or confirm potentially insecure logon. To secure the logon, change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

**9927E LOGON SECURITY NOT AVAILABLE - EXIT (NAME: *name* LENGTH: *Length*)
*reason***

Written to:

SYSLOG, JESMSG LG.

Explanation:

The VDF STC has been started. It was detected that the security environment is invalid for logon attempts via CAF/VAF/IAF. The security exit UXSIN was found to be invalid. The message contains the name and the length of the invalid exit. *reason* describes the reason that was detected:

IS AN INVALID TYPE	UXSIN exit does not fulfill the required Beta-specific connection requirements
EXIT HAS NO FUNCTION	UXSIN exit has no function, e.g. IEFBR14
EXIT MISSING	Subsystem for VDF has not been initialized with UXSIN
INVALID EXIT VERSION	UXSIN exit is not of the required version
NOT INSTALLED	The secure logon security environment has not been installed or the STC user does not have ALTER access to the RACF profile BETA. <i>ssid</i> .SECURE. NOLOGONCHECK.ALLOW in the FACILITY class
OPERATOR RESPONSE	Use of an insecure logon security environment was refused by the negative response to message 9927A

System Action:

The VDF STC is terminated. Logon access via CAF/VAF/IAF is not possible.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

9927W LOGON SECURITY AVAILABLE - EXIT (NAME: *name* LENGTH: *length*) *info***Written to:**

SYSLOG, JESMSGGLG.

Explanation:

The VDF STC has been started. It was detected that logon access to the system is handled by a valid security exit UXSIN in accordance with the return code of the exit. *info* describes the default behavior of the exit in accordance with the RC returned by the exit. If RC=0, the user ID/password/passphrase are always checked at logon. The message includes the module name of the UXSIN exit and its length.

info can be one of the following:

WILL SKIP LOGON BY DEFAULT Default exit RC is 4

WILL REJECT LOGON BY DEFAULT Default exit RC is 8

System Action:

The system continues processing.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

9927I LOGON SECURITY RULES (RACF: *racf* / UXSIN: *uxin*)**Written to:**

SYSLOG, JESMSGGLG.

Explanation:

The VDF STC has been started. The password settings defined in RACF have been checked, and the password settings of the security exit UXSIN have been checked. The message shows the result of this check.

<i>racf</i>	Refers to the rules defined in RACF:
MC	Mixedcase passwords allowed
UC	Only uppercase passwords allowed
SPC	Special character passwords allowed
USE ACF2	ACF2 is used as security system; more detailed information not possible
USE TSS	Top Secret is used as security system; more detailed information not possible
UNKNOWN	Unknown security system

<i>uxin</i>	Refers to the rules used by UXSIN (The exit can set rules automatically in accordance with RACF settings, or rules can be set via manual modification. For more information, see the description of the exit.)
MC	Mixedcase passwords allowed
UC	Only uppercase passwords allowed
SPC	Special character passwords allowed
PHRASE	Passphrases allowed
APPL	Application check is carried out
RACC	Settings of the exit are determined by the settings in RACF
NOFUNC	Exit has no functionality
NOCHECK	No password check is carried out
DENIED	All passwords are denied by the exit
NOPHR	Passphrases are denied by the exit (even if allowed by RACF)
N/A	Not possible to retrieve all settings of the exit (The exit does not conform to BSA level 1461-03 or later.)
EXIST USER	Check only that the user is defined in the security system and that the user is active (i.e. not revoked etc.)

System Action:

The system continues processing.

Operator Response:

None.

9928W POSSIBLE UNSECURED LOGON PROCESS WAS ALLOWED VIA *info***Written to:**

SYSLOG, JESMSG LG.

Explanation:

The VDF STC has been started. It was detected that logon access to the system is possible via a security exit UXSIN that is not secure. The VDF STC continues working in spite of the possibility of an unsecured logon process because this has been confirmed by *info*.

info can be one of the following:

SECURITY PROFILE	RACF profiles have been defined and the STC user has access as shown in message 9926I
OPERATOR RESPONSE	YES has been entered as response to message 9927A

System Action:

The system continues processing.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

9928I LOGON SECURITY WILL CHECK THE LOGON USERID WHEN USING EXIT-RC=0**Written to:**

SYSLOG, JESMSG LG

Explanation:

The VDF STC has been started. It was detected that the security exit UXSIN is valid or that the STC user has ALTER access to the following RACF profile BETA.*ssid*.SECURE.NOLOGONCHECK. Upon RC=0 from the exit, VDF will check the user who wants to log on based on user ID and password/passphrase.

System Action:

The system continues processing.

Operator Response:

None.

9929I LOGON PROCESS FOR EXIT RC=4 WAS *execution* VIA SECURITY PROFILE**Written to:**

SYSLOG, JESMSG LG

Explanation:

The VDF STC has been started. It was detected that the security exit UXSIN is valid. Upon RC=4 from the exit, logon of a user will be handled according to *execution*.

The RACF profile BETA.*ssid*.SECURE.UXSINCONTROL.ALLOW in the FACILITY class exists and the STC user's access to this profile has been checked.

execution allowed or not allowed

System Action:

The system continues processing.

Operator Response:

None.

9930I LU *Luname* ACB SUCCESSFULLY OPENED, VTAM VERSION *version***Written to:**

Operator console.

Explanation:

The VTAM Dialog Facility subsystem is now in session with VTAM version *version* and can accept logons.

System Action:

None.

Operator Response:

None.

9931E LU *Luname* ACB OPEN ERROR (*rc*)**Written to:**

Operator console.

Explanation:

Open of ACB *name* failed.

System Action:

The VTAM Dialog Facility subsystem is waiting for the STOP command. Return code is R15 + ACBERFLG field.

Operator Response:

Refer to the *ACF VTAM Reference Summary* for interpretation of ACB open error codes.

9931I LOGON PROCESS NOW ONLY POSSIBLE WITH VALID SECURITY EXIT**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The VDF STC has been started. It has been detected that logon access to the system is only possible via a valid logon security exit UXSIN with the necessary security environment where appropriate. The use of invalid exits like IEFBR14 is not allowed by default. Exceptions can be allowed as described in *BSA Installation and System Guide*.

System Action:

The system continues processing. Future logon attempts will be handled in accordance with the defined security environment.

Operator Response:

None.

9932W LOGON SECURITY WILL ONLY CHECK THE EXISTENCE OF THE LOGON USERID WHEN USING EXIT-RC=4**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The VDF STC has been started. It was detected that the security exit UXSIN returns RC=4 by default. It was also detected that the STC user has READ access to the following RACF profile:

BETA.ssid.SECURE.UXSINCONTROL.ALLOW

This warning message informs you how VDF will handle the check of a user at logon.

System Action:

The system continues processing. Upon RC=4 from the exit, the existence of the user definition in the security system is checked and that this user is active (i.e. not revoked etc.). No password check is carried out.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

9933W LOGON SECURITY WILL NOT CHECK THE EXISTENCE OF THE LOGON USERID WHEN USING EXIT-RC=4**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The VDF STC has been started. It was detected that the security exit UXSIN returns RC=4 by default. It was also detected that the STC user has ALTER access to the following RACF profile:

BETA.ssid.SECURE.UXSINCONTROL.ALLOW

This warning message informs you how VDF will handle the check of a user at logon.

System Action:

The system continues processing. Upon RC=4 from the exit, the existence of the user definition in the security system is not checked.

Operator Response:

None if this is what you want. Otherwise change the customization of your system with the help of the information contained in the *BSA Installation and System Guide*. If you need further assistance, you can also contact Beta Systems support (see "Calling for support" on page 498).

9934W RESPONSE TIME LIMIT *tuser* FOR USER *userid* EXCEEDS MAXIMUM *tmax***Written to:**

Operator console.

Explanation:

The response time *tuser* the *userid* is experiencing exceeds the *tmax* maximum allowable response time set in B09_RESPONSE_TIME_WARNING_AT value in the BETA.PARMLIB startup deck.

System Action:

The system continues processing.

Operator Response:

Consider reducing the maximum number of users (B09_MAXUSERS), increasing the number of RA-pools (B09_RAPOOL), or increasing the value in B09_RESPONSE_TIME_WARNING_AT.

9940E USER *userid* NOT LOGGED ON**Written to:**

Operator console.

Explanation:

An attempt to cancel the VDF session for user *userid* failed because the user is not currently logged onto the VTAM Dialog Facility.

System Action:

The system continues processing.

Operator Response:

Retry modify cancel command using the correct user ID.

9941E USER *userid* NOT CANCELED. REASON:**Written to:**

Operator console.

Explanation:

An attempt to cancel the VDF session for user *userid* failed due to external reasons. Please refer to accompanying messages for additional information on why the user could not be canceled.

System Action:

The system continues processing. The user session is not terminated.

Operator Response:

See the accompanying message(s).

9942E PENDING TRANSACTIONS DETECTED FOR USER *userid***Written to:**

Operator console.

Explanation:

An attempt to cancel the VDF session for user *userid* failed because a critical completion function has not yet finished processing. For example, a communication request has been sent to a Beta product started task and the required response is still pending.

System Action:

The system continues operation. The user session is not terminated.

Operator Response:

Retry the cancel request. When the request has been initiated by the VDF cleanup, the cancel request will be automatically retried.

9945I MAXTABLINE VALUE 'nnnn' FOR BETAxX IS ACTIVE**Written to:**

Operator console.

Explanation:

This message comes up when starting the system or when the operator console command LISTUSER is in use and the lines which are allowed to be displayed in a Beta product table have been limited to a certain number by using the keyword B09_MAXTABLINE_Bnn in the parmlib member.

nnnn Maximum number of lines that are allowed to be displayed in a Beta product table

xx Beta product number

System Action:

None.

Operator Response:

None.

9946I MAXTABLINE-ACCESS FOR BETAxX HAS BEEN CHANGED FROM xxx TO yyy FOR user1 BY user2**Written to:**

Operator console.

Explanation:

The number of lines allowed to be displayed in a Beta product table has been changed for *user1* by *user2*.

xx Beta product number

xxx TO yyy YES TO NO or NO TO YES

NO The line limit has been cleared. The number of lines is no longer restricted to a certain number for *user1*.

YES The limiting of lines has been activated. For *user1*, the system will allow only the number of lines already entered in the LST member or in the keyword MAXTABLINE.

System Action:

None.

Operator Response:

None.

9947W MAXSTORAGE VALUES (BELOW: <I>% ABOVE: <I>%) HAVE BEEN REACHED**Written to:**

Operator console.

Explanation:

This message warns you that resources are running out.

System Action:

Operation continues. New users are not allowed to log onto the VDF until more system resources have been made available.

Operator Response:

Use the operator console command `MODIFY STC,LISTUSER=xxx%` to find out which user has allocated most of the storage. Also see the chapters "Operator Console Commands" and "Logging on to the VTAM Dialog Facility" in the *VAF Installation and System Guide*. Contact your local system administrator.

9947I MAXSTORAGE VALUES BELOW: *number in percent* % ABOVE: *number in percent* % HAVE BEEN ACTIVATED**Written to:**

Operator console.

Explanation:

This message displays the amount of storage used below and above the 16-megabyte line in percent. The values can be entered in the keyword `B09_MAXSTORAGE` in the `LST` parameter (default 90,90).

System Action:

If one of the values entered in the keyword `B09_MAXSTORAGE` has been exceeded, the user cannot continue to work with VDF. If enough storage has been made available so that the values entered in the keyword remain under the maximum value allowed, the user can restart the VDF to go on working.

Operator Response:

None.

9952E TERMINAL *luname* SEND FAILED RC/SENSE *x1***Written to:**

Operator console.

Explanation:

A SEND from the VTAM Dialog Facility to terminal *luname* failed. Here *x1* is the resulting return/sense code returned in the RPLFDBK area.

System Action:

The session with *luname* is terminated.

Operator Response:

Contact your VTAM system programmer.

9952I SEND RETRIED FOR *connection type*-USER *userid* (FCBID=*transaction number*) ON TERMINAL=*termid* (HEX=*hextermid*,LU=*Luname*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The last VTAM send could not be received by the receiver (message 9952E with RC/SENSE = 143C) and was therefore retried once.

connection type CAF is described in message 9990I, *userid* is the user ID, *transaction number* is a number that is assigned internally. The following are listed for CAF: the logical terminal ID of CICS as the 4-digit *termid* and *hextermid* (character format processed from the hex value), and the VTAM LU name of the CICS online interface as *luname*.

System Action:

The VTAM send is retried once. Operation continues.

Operator Response:

Check whether message 9952I is followed by message 9952S.

9952S SEND TO *Luname* FAILED RC/SENSE *x1*,USER *user* (FCBID=*transaction number*) NOT SERVICED ON *connection type* TERMINAL(*termidx*)**Written to:**

SYSLOG, JESMSG LG.

Explanation:

A VTAM send was retried due to VTAM error RC/SENSE=143C, but the retry also failed. The retry is signalled by message 9952I, the failure of the retry by 9952S. The following are listed for CAF sessions: The VTAM application ID of the affected CICS online interface as *luname*, and the terminal ID assigned by CICS as *termidx* (processed format: also see VDF9952I). *x1* is the resulting return/sense code returned in area RPLFDBK.

System Action:

Session *luname* is terminated on terminal *termidx*.

Operator Response:

Contact your VTAM system programmer.

9953E TERMINAL *luname* EX. REQ. SENSE *x1,x2* RTCND *x3,x4***Written to:**

Operator console.

Explanation:

An unexpected response after RECEIVE ANY from terminal *luname* was encountered. The following describes the values returned:

<i>x1</i>	Value returned in the RPLSSNSI field
<i>x2</i>	Value returned in the RPLUSNSI field
<i>x3</i>	Value returned in the RPLERREG field
<i>x4</i>	Value returned in the RPLFDB2 field

System Action:

The session with *luname* is terminated.

Operator Response:

Contact your VTAM system programmer.

9954E TERMINAL *luname* EXCEPTION RESPONSE - SENSE *sense (x1/x2)***Written to:**

Operator console.

Explanation:

An unexpected response after RECEIVE EXCEPTION RESPONSE from terminal *luname* was encountered. The following describes the values returned:

<i>x1</i>	Value returned in the RPLSSNSI field
<i>x2</i>	Value returned in the RPLUSNSI field

System Action:

The session with *luname* is terminated.

Operator Response:

Contact your VTAM system programmer.

9955E TERMINAL *luname* INTERVENTION REQUIRED - SENSE *x1* *x2***Written to:**

Operator console.

Explanation:

Corrective intervention is required at terminal *luname*. The following describes the values returned:

x1 Value returned in the RPLSSNSI field

x2 Value returned in the RPLUSNSI field

System Action

The session with *luname* is terminated.

Operator Response:

Correct the device state or contact your VTAM system programmer.

9955I LOSTERM EXIT FOR LU *luname* SCHEDULED (REASON = *x1* / CID = *x2*)**Written to:**

Operator console.

Explanation:

A session was terminated due to an unconditional logoff or the line is no longer available.

x1 Reason code for why the exit has been used

x2 Communication identifier used for LU *luname*

System Action:

The system closes the session *luname*.

Operator Response:

Please attempt to logon again. If message persists and logon does not complete, ask you VTAM system programmer to help solve this error.

9956I MAXUSER VALUE NOW SET TO *maxuser***Written to:**

Operator console.

Explanation:

The maximum number of users allowed to be logged onto the system at one time has been changed by an operator command.

System Action:

None.

Operator Response:

None.

9957I CURRENTLY ACTIVE USERS ARE: *number*
 9957I STORAGE BELOW: *value* K - CURRENTLY USED: *number in percent* %
 9957I STORAGE ABOVE: *value* M - CURRENTLY USED: *number in percent* %
 9958I MAXIMUM ALLOWED USERS ARE: *max. number*
 9957I USER TERMINAL LOGON-TIME TRANS POOL CPU-TIME STORAGE
 9957I *x1 x2 x3 x4 x5 x6 x7
 9957I USER *user name* NOT LOGGED ON

Written to:

Operator console.

Explanation:

These informational messages are output following the MODIFY command F BETA09,LISTUSER. Their output can also be caused by the internal VDF message generator for displaying cleanup problems (accompanying message VDF9972I). *Max. number* refers to the maximum number of users who may log on to VDF, *number* refers to the number of users who are currently logged on to VDF.

The two lines (User, x1) of message 9957I are only displayed if F BETA09,LISTUSER=ALL (display all users) or F BETA09,LISTUSER=*userid* (display a specific user) has been entered.

The two lines concerning storage are displayed when ALL, user ID or xx% has been coded. xx% will display all users who have allocated at least the storage entered in percentage.

storage below The value displayed is the available storage size below the 16-megabyte line, calculated in kilobytes (KB), see also message 9153I.

storage above The value displayed is the available storage size above the 16-megabyte line, calculated in megabytes (MB), see also message 9153I.

number in % The number displayed in percentage is the storage below/above the 16-megabyte line currently in use.

*x1 All users are displayed here, **the active one is shown by an asterisk to the left of the user ID**

If LISTUSER=ALL is triggered internally by VDF following the detection of cleanup problems, the following marks are possible in addition to the asterisk to indicate the current status:

- + The termination of the session is in progress.
- The session has been marked for cleanup.
- ? Cleanup has been triggered during the last cycle, but the success of the cleanup has not yet been verified. It is possible that the session terminates successfully before the next cleanup.

- ! VDF is unable to terminate the session. For example:
- Cleanup has been rejected repeatedly.
 - The session is active (for example BUSY) after at least one cleanup attempt.
- x2 (LU) name of the terminal where the user is logged on
- x3 Time when the user logged on (user logon time)
- x4 Transaction ID
- x5 Transaction pool name
- x6 CPU-time used (format: hh:mm:ss)
- x7 Storage in use

Note: Standard tools for measuring system resources may come to a different result than the one displayed in x7. This is due to the internal usage of the memory blocks. The system calculates with 2-MB memory blocks and displays the size in percentage of a block currently in use. The last line of the message is only displayed when the user is not logged onto the system at the time when the MODIFY command F BETA09,LISTUSER=*userid* is entered.

System Action:

None.

Operator Response:

None.

```

9957I TCTNAME  TCTADR  TCTCHAIN TCTSNAME STATUS  USERID  RQBADR
      UBADR    STATUS-FLG TRACE-FLG
9957I*x1      x2      x3      x4      x5      x6      x7      x8
      x9      x10

```

9957I ----- END -----

9957I CURRENTLY EXISTING TCT-ENTRIES: *number*

9957I CURRENTLY FREE TCT-ENTRIES: *number*

9957I CURRENTLY ACTIVE USERS ARE: *number*

Written to:

JESMSG LG.

Explanation:

This message shows the internally used TCT control blocks as a result of the F *stcname*,LISTTCT operator command.

An asterisk (*) in front of the TCTNAME indicates a CICS system entry, which is generated when the first session between CICS transaction and VDF (via CAF) is established. This entry is internal and does not reflect an actual user (x6 is ****BETA****).

- x1 (LU) name of the terminal where the user is logged on
- x2 Address of the TCT entry of the terminal
- x3 Address of the next TCT entry
- x4 (LU6) secondary name of the terminal where the user is logged on
- x5 Status information consists of two parts, for example, USED/VTAM or FREE/CICS
 - Part 1 indicates the logged-in status of the terminal:
 - FREE The terminal is no longer logged in.
 - USED The terminal is logged in.
 - Part 2 indicates how the terminal is connected with VDF:
 - VTAM Directly via *_beta* vaf
 - CICS Via *_beta* caf
 - IMS Via *_beta* iaf
- x6 User ID under which the user has logged in (or ****BETA**** in case of a CICS system entry, which is indicated by an asterisk (*) in front of the TCTNAME)
- x7 Address RQB of the terminal

x8	Address of the user data block of the terminal
x9	Several status flags of the terminal (used internally and for error analysis)
x10	Several trace flags of the terminal (used internally and for error analysis)

System Action:

None.

Operator Response:

None.

9959E *command name* COMMAND ERROR (*explanation of the error*)**Written to:**

Operator console.

Explanation:

A syntax error occurred while entering one of the operator console commands:

F BETA09,MAXTABLINE=(*nnnn*,*xx*)

F BETA09,MAXSTORAGE=(*xxx*,*yyy*)

One of the following may have caused the error:

- The values entered are not numeric.
- One of the values has more digits than allowed.
- The Beta product number entered could not be found or is invalid.
- The Beta product number has not been entered in a two-digit format.
- The comma between the value and the Beta product number is missing.

When the error was caused while entering the command MAXTABLINE, the explanation of the error will be INVALID VALUE OR PRODUCT.

When the error was caused while entering the command MAXSTORAGE, the explanation of the error will be INVALID BELOW_VALUE (*xxx*) or INVALID ABOVE_VALUE (*yyy*).

System Action:

None.

Operator Response:

Check the syntax to determine the cause of the error. Correct the error and restart the process.

9959I MAXTABLINE VALUE FOR BETAxX NOW SET TO *nnnn***Written to:**

Operator console.

Explanation:

This message comes up when the operator command MAXTABLINE is in use. The current number of lines allowed to be displayed in a Beta product table is displayed.

xx Beta product number

nnnn Maximum number of lines allowed to be displayed in a Beta product table

System Action:

None.

Operator Response:

None.

9959W MAX. NUMBER OF TABLE LINES (*nnnn*) HAS BEEN REACHED FOR USER *user name* IN BETAxX**Written to:**

Operator console.

Explanation:

The maximum number of lines (*nnnn*) allowed to be displayed in a Beta product table for user *user name* has been reached.

xx Beta product number

nnnn Maximum number of lines allowed to be displayed in a Beta product table

System Action:

None.

Operator Response:

Increase the number of lines using the MODIFY command
F BETA09,MAXTABLINE=(*nnnn,xx*) or the LST parameter
B09_MAXTABLINE_*Bnn*. This change will be valid for all subsequent users.

9960I NSEXIT EXIT FOR LU *luname* SCHEDULED. TYPE=*type***Written to:**

Operator console.

Explanation:

An unrecoverable error occurred in the network.

System Action:

The session *luname* is closed due to a *type* request in NSEXIT. *type* can be CLEANUP, NOTIFY, or NSPE.

Operator Response:

Please attempt a logon again. If message persists and logon does not complete, ask your VTAM system programmer to get this error resolved.

9961I NSEXIT EXIT SCHEDULED. LU ALREADY CLEANED UP**Written to:**

Operator console.

Explanation:

The NSEXIT exit was scheduled for a LU which is no longer in session with VTAM.

System Action:

None.

Operator Response:

None.

9962I LU *name* WITH LOGMODE *name* IS WAITING (LOGON-TIME *hh:mm:ss*)**Written to:**

Operator console.

Explanation:

The LOGON request for LU *name* with LOGMODE *name* is still pending.

System Action:

The system is still waiting for the required response from the LU *name*.

Operator Response:

If no response is received, deactivate the LU *name* with the help of VTAM commands and then reactivate the LU *name*. The LOGON request will be canceled but the system continues processing.

If the error persists, switch on the asynchronous logon to VDF. Use the keyword B09_LOGON in the parmlib member and set its value to 'ASY'.

Note: Only VAF users are allowed to asynchronously log on to the system. To activate the asynchronous logon, stop and restart VDF.

9963I NO LOGON-WAITS FOUND**Written to:**

Operator console.

Explanation:

No LOGON request is waiting for a response.

System Action:

The system continues processing.

Operator Response:

None.

9965I CLEANUP PENDING TERMINATION REQUESTS EVERY : *nnnn* MINUTES**Written to:**

Operator console.

Explanation:

The message comes up while the system is starting. The time interval (in minutes) checks which user is still active.

nnnn Number of minutes (Default: 10 minutes)

System Action:

According to the number of minutes entered, the system checks whether there are users who are to be terminated but the system has not completed the terminations yet.

If such a user is found, his/her user session will be terminated. This cleanup correctly terminates sessions, for example, if terminals have been disconnected simply by having been switched off or which were still busy with a Beta product while a cancel command has been executed by an operator.

Operator Response:

None.

9966I USER SESSION(S) WILL GET TIMEOUT IF *nnnn* MINUTES INACTIVE**Written to:**

Operator console.

Explanation:

When the parameter B09_USER_TIMEOUT has been entered in the LST member beforehand, the message will come up while the system is starting.

nnnn Time in minutes (0001 up to 1439)

System Action:

If a user currently logged onto VAF/CAF/IAF does not use the system for *nnnn* minutes, this user will automatically be logged off from the system.

Operator Response:

None.

9967I USER CANCEL (CLEANUP) PROCESSING OF PENDING TERMINATION REQUESTS IS ACTIVE**Written to:**

SYSLOG, JESMSGLG.

Explanation:

The message comes up when the cleanup process for (currently) terminated users is processed for the first time.

System Action:

The cleanup process is being executed.

Operator Response:

None.

9968W *n* SESSIONS CANCELED BY BETA09 / TYPE = *reason***Written to:**

SYSLOG, JESMSGLG.

Explanation:

The message comes up after the cleanup process has been finished. The message displays how many sessions have been canceled due to the timeout or during the cleanup process of the Beta 09 started task.

reason TIMEOUT or CLEANUP

n Number of sessions which have been cleaned up

System Action:

Operation continues.

Operator Response:

None.

9968I JOB SUBMISSION WITH USER AUTHORIZATION FOR *product* HAS BEEN ACTIVATED**Written to:**

SYSLOG, JESMSG LG.

Explanation:

The function for submitting batch jobs under the authorization of the online user has been activated at startup of the VDF started task for the indicated product (*Bnn*_SUBMIT_USER_AUTH=YES) or for all products (BSA_SUBMIT_USER_AUTH=YES). For detailed information, see "Submitting batch jobs under user authorization" in *_beta vaf/caf/iaf Installation and System Guide*.

System Action:

The system continues working. Provided that the prerequisites for submitting a job under a user ID other than that of the VDF started task have been met, every time a batch job is submitted it will be executed under the authorization of the submitting online user.

Operator Response:

None.

9970E TAKING FORMATTED DUMP FOR FUNCTION *name***Written to:**

Operator console.

Explanation:

Abend exit was scheduled for function *name*.

System Action:

The subsystem abends and a dump is taken.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

**9972I COMMAND *operator-command* INITIATED BY *operator* - REASON: *reason*
[(FCB=*trans-id*)]**

Written to:

SYSLOG, JESMSG LG.

Explanation:

This message indicates the start of automatic message output by VDF. In their form and contents, these messages are like the console commands described in the *VDF Installation and System Guide*. Messages are generated after the occurrence of a defined event, for example, an abend (about 1 minute later) or a termination problem detected by VDF cleanup.

Field ***operator-command*** shows the console command that forms the basis for analysis of the current session and session requests in the VDF started task. The following values are possible for *operator-command*:

STATUS	This is followed by message VDF9963I (no logon waits), or message VDF9962I for each VTAM logon request that has not yet been executed. Both messages reflect the originals generated when operator command STATUS is entered at the console. Messages VDF9973I and VDF9957I indicate the end of the automatically generated STATUS messages, in the event that there are sessions with the condition described in the message.
SESSIONS	Details and summaries per group are sorted into user groups and written under message number VDF9974I. These messages have a trace character and can be used for error analysis. Only SFF groups that start with the name USER are analyzed in a transaction-oriented way. Output partially resembles the messages generated by operator command TL.
LISTUSER	Output resembles the output of console command LISTUSER=ALL. The details are packed into message VDF9957I in the same way. If system stop occurs, LISTUSER output is suppressed.

Field ***operator*** VDF shows that the messages are generated automatically.

Field ***reason*** shows the reasons for automatic message generation:

ABEND	Forced output due to an operator abend
AUTO	Automatic output generated for some other reason
CLEANUP <i>problem</i>	Forced output due to a session cleanup problem If more than one problem is detected during cleanup, <i>problem</i> indicates the most serious of the problems that have triggered the message generator.

Field ***trans-id*** refers to an internal transaction number which indicates the originator of the output. *trans-id* is identical to the transaction ID of the last logon message of the user session. If the originating session has been terminated before the message is generated, the session will not be listed under SESSIONS and LISTUSER.

System Action:

As a rule, the process continues in the usual way.

Operator Response:

Please save all the SYSLOG messages associated with VDF9972I and contact Beta Systems support (see "Calling for support" on page 498). Include the saved messages in your problem report.

9973I CURRENTLY TERMINATING USERS ARE: number

Written to:

SYSLOG, JESMSGLG.

Explanation:

This message is generated as a result of the automatic STATUS command and supports analysis in the event of an error, for example, an abend. The message is generated about one minute after the event occurs. The number field shows the *number* of users who were in the termination phase when the message was generated.

System Action:

None.

Operator Response:

Please save all the SYSLOG messages associated with VDF9973I and contact Beta Systems support (see "Calling for support" on page 498). Include the saved messages in your problem report.

9974I <s> LIST BASED ON TRANSACTIONS.

9974I GROUP *group name*, ACTIVE FUNCTION '*tr-id*' *status*[,*extension*]

9974I [*] *user terminal fcb-id program* (STATUS=*flag*) *status text* [,*extension*]

9974I GROUP *group name*, NUMBER OF FUNCTIONS: *n* (ACT=*n*/PND-CLN=*n*/LFF=*n*/NOP=*n*)

9974I GROUP *group name*, TERMINATION ERRORS: *nn* (ACT=*n*/PND-SVC=*n*/IGN=*n*/ERR=*n*)

Written to:

SYSLOG, JESMSG LG.

Explanation:

(A): Message 9974I consists of a block of messages that start with "VDF9974I SESSION LIST BASED ON TRANSACTIONS" and are sorted by user groups.

(B): Each user group starts with information on the transaction that is currently active:

- *group name* - the name of the group in format USERnnnn
- *tr-id* - transaction number
- *status* - current condition or cleanup problem of the transaction:
 - RUNNING - session is currently active
 - RECOVERED - session was recovered following an error or abend and is currently active.
 - TERMINATES - the end of a session has been initiated, e.g. by logoff.
 - CLEANUP PENDING - the currently active session has been marked for termination.
 - LOST - the transaction of the last active session has been lost due to an error in the VDF started task.
 - *cleanup problem* - cleanup problems can be DETACH REJECTED, CLEANUP LOST, SESSION BUSY, etc.

Note on *status*: Conditions RECOVERED, TERMINATES and CLEANUP PENDING and cleanup problems were previously not visible in the SYSLOG or could only be indirectly referenced. When a status of this type is present, an attempt is made to determine the cause.

- *extension* - provides information on the cause of the given status, for example, a cleanup or other problem.

extension can be one of the following:

CLEANUP REASON: *reason* - The message was caused by a cleanup problem, where *reason* indicates the reason that made session cleanup necessary.

REASON: *reason* - The message was caused by the indicated problem:

- CANCEL - cancel initiated by operator.
- TIMEOUT - user was inactive for longer than specified in the LST parameter B09_USER_TIMEOUT
- DISCONNECT - a VTAM disconnect took place, for example, the screen was switched off.
- VTAM ERROR - a VTAM error occurred.
- ABEND - a user abend occurred.
- UNKNOWN - the cause could not be determined.

Examples:

- The master FCB is waiting for a request from any user session in the specified group:

```
VDF9974I GROUP USER0002, ACTIVE FUNCTION 'USER0002' (MASTER FCB)
```

- A session with transaction number 00800010 was recovered following an abend and is currently active:

```
VDF9974I GROUP USER0002, ACTIVE FUNCTION '00800010' RECOVERED, REASON: ABEND
```

- A user has turned off the terminal screen, but session 00900011 could not be terminated during several cleanup cycles due to intensive activities:

```
VDF9974I GROUP USER0004, ACTIVE FUNCTION '00900011' SESSION BUSY, CLEANUP REASON: DISCONNECT
```

(C): All known sessions are listed one after the other below every group:

VDF9974I [*] user terminal fcb-id program (STATUS=flag) Status text
[,extension]

A type **(C)** message is written for every user session in the group.

Parameters are:

- * indicates that a session is marked for shutdown, blank is used for other sessions.
- *user* - user ID
- *terminal* - terminal ID (VTAM LU name or CICS terminal ID).
- *fcb-id* - transaction number.
- *flag* - internal status (for analysis purposes)
- *status text* - condition of the transaction or session cleanup problem. See **(B)** for a description.
- *extension* - cause of the termination of the session
REASON: *reason* or CLEANUP REASON: *reason*

(D): This summary breaks down the number of transactions according to status:

VDF9974I GROUP *group name*, NUMBER OF FUNCTIONS: *nn* (ACT=*n*/PND-CLN=*n*/LFF=*n*/NOP=*n*)

ACT	In session
PND-CLN	Cleanup pending
LFF	Termination running
NOP	No operation

(E): This summary breaks down the number of transactions according to problem. This message is output only for groups where at least one "pending Cleanup session" with cleanup problem has been detected. *nn* indicates the total number of cleanup problems in the group.

VDF9974I GROUP *group name*, TERMINATION ERRORS: *nn* (ACT=*n*/PND-SVC=*n*/IGN=*n*/ERR=*n*)

ACT	Number of sessions still active at the time of checking after several cleanup attempts; also includes long-running sessions in LOCK mode (potential loop)
PND-SVC	Number of cleanups refused because of "pending Transactions" (REJECT)
IGN	Number of sessions still active after shutdown request (shutdown ignored or transaction waits)
ERR	Number of sessions whose cleanup request has not been processed (LOST), whose shutdown flag has been lost (ERROR), and others

System Action:

Internal VDF activities depending on the status of a session. In the case of CLEANUP PENDING, VDF attempts to end the session concerned in the next CLEANUP cycle.

Operator Response:

Please save all the SYSLOG messages associated with VDF9974I and contact Beta Systems support (see "Calling for support" on page 498). Include the save messages in your problem report.

9980E OUT OF MEMORY IN FUNCTION *name***Written to:**

Operator console.

Explanation:

No more memory is available for function *name*.

System Action:

The function is terminated.

Operator Response:

Increase the region size of your started task or decrease the number indicated in the B09_RAPOOL and B09_MAXUSER parameters of the B09LSTxx member loaded from BETA.PARMLIB.

9984E OPEN FAILED FOR DATASET *ddname***Written to:**

Operator console.

Explanation:

The dataset *ddname* could not be opened.

System Action:

The batch utility BST09UTL terminates with RC=24.

Operator Response:

Check the DD statement of batch utility BST09UTL.

9985E ACCESS ERROR DURING GET/PUT OF DATASET *ddname***Written to:**

Operator console.

Explanation:

Access to the dataset *ddname* during GET/PUT resulted in an I/O error. The error message is accompanied by the system messages IEC030I and/or IEC031I.

System Action:

The batch utility BST09UTL ends with RC=20.

Operator Response:

Refer to the IBM manual *z/OS System Messages* for an explanation of the accompanying system messages.

9986W TRANSLATION TABLE *table name* NOT FOUND**Written to:**

Operator console.

Explanation:

The program could not find member *table name* when trying to retrieve the codepage from VDF steplib.

System Action:

Processing continues; the system uses the standard codepage 500.

Operator Response:

Create member *table name*. Refer to the description of VDF codepage support in the *BSA VAF/CAF/IAF Installation and System Guide*.

9987I JOBCARD HAS BEEN CHANGED DURING JOB-SUBMISSION FOR USER: *userid***Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

Exit BST09X02 has been called up. Within this exit the job card has been changed. The job will be submitted with the revised job card.

userid displays the user who submitted the job

System Action:

The job is submitted.

Operator Response:

None.

9990E USER *userid* LOGON ON *Luname* WAS DENIED - REASON: [*reason*] [(RC:*rc*)]**Written to:**

SYSLOG, JESMSG LG.

Explanation:

Logon was attempted by user *userid* via VAF/CAF/IAF from terminal *luname*. This attempt was rejected based on security checks. *reason* describes the cause of the rejection and *rc* refers to the return code of the RACF check for the user or 355 (see message 9924E).

System Action:

The system continues processing.

Operator Response:

Determine the reason for the error and eliminate it. If the error persists, please contact Beta Systems support (see "Calling for support" on page 498).

**9990I USER *userid* LOGGED ON *Luname*
(FCBID=*transaction number/connection type*)**

**9990I USER *userid* LOGGED ON *Luname* VIA UXSINCONTROL(*access*) FACILITY
(FCBID=*transaction number/connection type*)**

Written to:

Operator console.

Explanation:

This message indicates that the user *userid* has successfully logged onto the displayed connection type from the terminal *luname*.

If the message includes VIA UXSINCONTROL(*access*), the indicated user has successfully logged on using the RACF profile BETA.*ssid*.SECURE.UXSINCONTROL.ALLOW, where *access* is READ or ALTER.

The transaction number is used internally.

Connection types are:

VAF	VTAM Dialog Facility (VDF)
CAF	Customer Information Control System (CICS) The terminal ID provided by the CICS system will be shown for CAF users.
IAF	Information Management System (IMS)
BAT	Batch job
???	Connection type is unknown and could not be identified.

System Action:

Operation continues.

Operator Response:

None.

9991I USER *user ID* LOGGED OFF *Luname* (FCBID = *transaction number/connection type*)

Written to:

Operator console.

Explanation:

This message indicates that user *user ID* has successfully logged off from the VTAM Dialog Facility from terminal *luname*. The *transaction number* is the internally given transaction number. The connection types are the same as described in message 9990I.

System Action:

Operation continues.

Operator Response:

None.

9992I USER *userid1/fcb* CANCELED BY USER *userid2***Written to:**

Operator console, SYSLOG, JESMSG LG.

Explanation:

The user *userid1* is canceled from VDF. If the user *userid1* is canceled with the help of the online panel, *userid2* is the user who invoked the cancel user command. If the user *userid1* is canceled with the modify command 'F BETA09,CANCEL,U=*userid1*', *userid2* is 'OP'.

userid2 = BETA09/TIMEOUT the user is canceled by VDF due to user inactivity (timeout)

userid2 = BETA09/CLEANUP user termination completed by VDF during cleanup of pending termination requests

System Action:

Operation continues.

Operator Response:

None.

9993E LOSTERM EXIT SCHEDULED (REASON = *x1*/CID = *x2*) LU NOT FOUND**Written to:**

Operator console.

Explanation:

A session was terminated due to an unconditional logoff or the line is no longer available. LU along with CID = *x2* could not be found in the control table.

x1 reason code for why the exit has been used

x2 the communication identifier used for LU

System Action:

The system closes the session CID.

Operator Response:

Please attempt a logon again. If message persists and logon does not complete, ask you VTAM system programmer to get this error resolved.

9993I CLOSE-DEST SUCCESSFULLY FOR LU *Luname* (LOSTERM)**Written to:**

Operator console.

Explanation:

The exit LOSTERM has been called up to terminate the session on the terminal *luname*.

System Action:

The session has been terminated.

Operator Response:

None.

9994E CMD: *command***Written to:**

SYSLOG, JESMSG LG.

Explanation:

An internal command for operating user profile data has been executed in the BQL database of the VDF. The command either contains invalid parameters or the operation was terminated due to an error.

System Action:

The command has not been processed. As a result, some inconsistencies may arise for one or several VDF users.

Operator Response:

Please contact Beta Systems support (see "Calling for support" on page 498).

9994I CLOSE-DEST SUCCESSFULLY FOR LU *Luname* (NSEXIT)**Written to:**

Operator console.

Explanation:

The exit NSEXIT has been called up to terminate the session on the terminal *luname*.

System Action:

The session has been canceled.

Operator Response:

None.

9995E DATABASE ERROR RC *rc* IC *irc***Written to:**

Operator console.

Explanation:

A database error occurred. BQL return codes are described in "Database codes" on page 489.

System Action:

Depending on the information return code.

Operator Response:

Analyze the information return code to determine the cause of the error.

**9996I/9996E/9996W, 9997I/9997E/9997W, 9998I/9998E/9998W,
9999I/9999E/9999W trace messages****Written to:**

SYSLOG, JESMSG LG, BSATRACE.

Explanation:

The trace functionality of the BSA VDF component or of another general BSA component has been switched on. Trace contents can vary and are used to determine errors.

System Action:

The system is in operation.

Operator Response:

If trace messages result from an abend, save all these messages so that they are available for further analysis when requesting assistance from Beta Systems support (see "Calling for support" on page 498).

User abend codes

Additional codes

Additional user abend codes can be found in the Beta product *Messages and Codes* manuals.

Unnnn

User abend code	Module causing the abend
U0222	BST09DPL
U0905	BST08ARC
U0939 U0940 U0955 U0987 U0989	BST01PC
U0920 U0921 U0922 U0923 U0924	BST01LK
U0930	BST01SS
U0950 U0981	BST01DS
U0960	BST01DMP
U0971	BST01FC
U0988	BST01FR BST01FT
U0990	BST01GI
U0991	BST01GI
U0992	BST01AL
U0992	BST01FT
U0993	BST01FA
U0993	BST01OAL
U0994	BST01GT
U0997	BST01SIP

User abend code	Module causing the abend
U0999	BST05MCT BST00RCF BST09UTL BST09SFT BST01OFT
U4000 U4001	BST12IVP
U4001	BST12100

System Action:

The system ends with one of the above abend codes.

Operator Response:

Please save the dump and contact Beta Systems support (see "Calling for support" on page 498).

U0902

Explanation:

An invalid storage GETMAIN or FREEMAIN request was attempted. This could happen if no more private area allocated to the Subsystem Function Facility is readily available to complete a GETMAIN request.

Abending Module:

BST01SC.

System Action:

The entire subsystem terminates with this abend code.

Operator Response:

Increase the region size parameter in the started task procedure in the step executing BST01SFF. Or monitor the workload in your Beta product started task and reduce the number of concurrent work requests that can be active at any one time. Otherwise please contact Beta Systems support (see "Calling for support" on page 498).

U0910

Explanation:

A non-zero return code was received from the OS LOAD macro. This is done when a program is loaded into virtual storage for LINK or XCTL.

Abending Module:

BST01PC.

System Action:

The subsystem abends with the above abend code.

Operator Response:

Check to make sure that the program specified is inside of one of the STEPLIB libraries and that the requested load module is not marked as being non-executable. Contact your system programming support to get this error resolved.

U0996

Explanation:

A return code was received from the OS ATTACH macro when starting a new function group.

Abending Module:

BST01GA.

System Action:

The subsystem terminates with the above abend code.

Operator Response:

Check that the installation of the subsystem is correct, and check the subsystem region size; it could be too small. A minimum size of about 5 MB is required. Contact your system programming support to get this error resolved.

U0998

Explanation:

The OS ENQUEUE failed at start-up time. This ENQUEUE is done to ensure that only one subsystem is running with the same z/OS subsystem name.

Abending Module:

BST01SIP.

System Action:

The subsystem terminates with the above abend code.

Operator Response:

Check whether there is already a subsystem running under the same z/OS subsystem name. Contact your system programming support to get this error resolved.

U4000

Explanation:

The IMS transaction of _beta iaf is unable to pass a request to DL1 to

- a) read a message from the IMS message queue,
- b) send a message to the IMS message queue,
- c) send a message to the IMS message queue for an alternate destination,
- d) fetch the SPA from IMS,
- e) or return the SPA to IMS.

Abending Module:

BST12I00.

System Action:

The transaction terminates with the above abend code.

Operator Response:

See *IMS Messages and Codes* to determine the cause of the error.

BSA error/information codes

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Subsystem connection errors

Overview

The following table lists the return/reason codes for subsystem connection errors.

These return/reason codes are valid for the ISPF message "Subsystem unavailable" and for batch jobs and STCs.

Return/reason codes

Return code in Hex format	Reason code in Hex format	Meaning
4/8	00000004	Function not available within a non-BSA/XCF subsystem
4/8	00000008	A non-BSA/XCF subsystem is not available
4/8/n	xxzzrrrr	<p>These codes appear only for subsystems initialized by BSA XCF. The meanings are as follows:</p> <p>xx=0y WQEIRC contains the original XCF reason code (whereby y = 0-9), WQERC returns the original return code of XCF.</p> <p>xx=10 XCF Join request was triggered</p> <p>xx=20 XCF Send request was triggered</p> <p>xx=30 XCF Getme request was triggered</p> <p>xx=40 XCF Query request was triggered</p> <p>xx=50 XCF Leave request was triggered</p> <p>zz<80 The original XCF return code is entered here. Reason code <i>rrrr</i> describes the original XCF reason code.</p> <p>zz=80 XCF Join request was triggered. Reason code <i>rrrr</i> describes a Beta-specific reason code:</p> <p>0001 SSID could not be found in the SSCT or SSCA, or the system is not BSA XCF initialized</p> <p>0002 The required memory for SSCA control blocks was not available</p> <p>0003 The Sysclone name could not be determined</p>

Return code in Hex format	Reason code in Hex format	Meaning
4/8/n (cont.)	xxzzrrrr (cont.)	<p>zz=81 XCF Send request was triggered. Reason code <i>rrrr</i> describes a Beta-specific reason code:</p> <p>0001 SSID from the WQEOSID could not be found in the SSCT</p> <p>0002 The SSCA for the SSID from the WQEOSID could not be found</p> <p>0003 The data to be sent are neither a WQE nor an RQE</p> <p>0004 SSID from the RQESSID could not be found in the SSCT</p> <p>0005 The SSCA for the SSID from the RQESSID could not be found</p> <p>0006 Send was not successful after 2 tries due to an incorrect token</p> <p>0007 The requested memory for creating a WQE was not available</p> <p>0008 An internal Join was tried. The Join ends with RC>4</p> <p>0009 The SSCA does not contain a valid XCF table</p> <p>000B Send was not successful after 2 tries due to a buffer shortage (No message buffer available)</p> <p>zz=82 XCF-Getme request was triggered. Reason code <i>rrrr</i> describes a Beta-specific reason code:</p> <p>0001 SSID could not be found in the SSCT or SSCA or the system is not BSA XCF initialized</p> <p>0002 The Sysclone name could not be determined.</p> <p>zz=83 XCF-Query request was triggered. Reason code <i>rrrr</i> describes a Beta-specific reason code:</p> <p>0001 The transferred SICA address is invalid</p> <p>0002 The caller does not have an authorization for the function</p> <p>0003 No valid address in SIB for XCF, or ARM/XCF is not supported</p> <p>0004 Invalid function request (ARM/XCF)</p> <p>0005 XCF request is not supported</p>

Return code in Hex format	Reason code in Hex format	Meaning
4/8/n (cont.)	xxzzrrrr (cont.)	<p>zz=84 XCF-Leave request was triggered. Reason code <i>rrrr</i> describes a Beta-specific reason code:</p> <p>0001 SSID could not be found in the SSCT or SSCA or the system is not BSA XCF initialized</p> <p>0002 SSCA does not possess a valid XCF table</p>

Logon to product application RCs

Overview

The following reason codes are returned when a logon is attempted to a Beta Systems product application via the BSA TCP/IP server or the BSA Communication Integrator (CI). RC<>0 indicates that logon was unsuccessful. The RC received is a RACF return code in most cases, with the following two exceptions:

RC=24 The subsystem could not be reached. The subsystem was either not active, or a TCP/IP connection problem has occurred.

RC=99 This RC is set by the BSA TCP/IP server or CI and indicates a specially defined Beta Systems information code. Please see the table below for more information.

Return codes

RC	IRC	Description
4	4	The user is not defined.
8	8	Invalid password.
8	12	Password has expired.
8	16	Either the length of the new password is invalid, or the password history is invalid. <ul style="list-style-type: none"> The minimum length of a password is defined in the parameter file of the server under keyword SECURITY-PWD-LENGTH. The minimum number of history records for a password is defined in the parameter file of the server under keyword SECURITY-PWD-HISTORY.
8	20	User is not defined to RACF (z/OS only).
8	24	RACF verify has failed (z/OS only).
8	28	User is revoked.
8	32	User is not active (z/OS only).
8	36	RACF group is revoked (z/OS only).
8	52	RACF does not allow access to the application (z/OS only).
8	<i>nn</i>	Various RACF return/reason codes may appear, depending on the z/OS RACF version in use. See the IBM documentation for a description of the return and reason codes.
99	256	The license for the selected add-on is invalid.
99	252	The security environment in z/OS is not active, or contains errors, or is not correctly structured.
99	256	The license for the selected application running under z/OS is not valid.

RC	IRC	Description
99	260	The maximum number of users licensed to work at the same time with the application in z/OS has been exceeded.
99	264	The application has attempted to log on via a port that is not defined for this application under z/OS.
99	268	The application has attempted access to an incorrect product version, for example an attempt was made to address an STC running under BSA V3 from an STC running under BSA V4.
99	272	Only SSLAUTH communication is permitted for this port, but the client did not pass or submit a certificate.
99	276	The application requires PKI, but no license is available for PKI.
99	280	The application attempted access to a product that is running with an invalid BSA level.
99	284	The application has attempted access via a port that has not been defined for the logon process (for example, BSM port or service port).
99	296	The application has not submitted a user ID for identification, but a user ID is required.
0	300	During logon, the logon exit was found to have no function (for example, IEFBR14).
0	304	The logon check was suppressed by the logon exit (RC 4).
99	308	Logon was rejected by the logon exit (RC 8).
99	312	The application submitted a password and a new passphrase, or a passphrase and a new password. Only password/new password is permitted or passphrase/new passphrase, but not a password/passphrase combination.
99	316	The passphrase exceeds the maximum permitted length of 100 characters.
99	320	The logon exit used does not support passphrases.
99	324	The logon exit has rejected the passphrase.

BSA CI and TCP/IP server codes

Overview

This section contains three tables with return codes specific to BSA Communication Integrator (CI) and BSA TCP/IP server:

- RCs at startup
- Other RCs
- RCs at logon

These codes can occur in BSA message range 8500 through 8599 and 9200 through 9299.

RCs at startup

Return code	Description
1	The parameter file could not be opened.
2	The parameter file contains a keyword error.
3	The content of a keyword is faulty.
4	The length of the keyword content is invalid.
5	The key ring defined in the keyword is wrong.
6	For future use.
7	A certificate error has occurred.

Other RCs

Return code	Description
999003	SSL keyword not found
999004	SSL connect to BSA CI failed
999005	Agent connect error
999006	Invalid certificate
999007	Add-on application invalid
999008	Invalid incoming IP address
999009	Socket invalid or not open

RCs at logon

In addition to the return codes generated by z/OS when a logon is made with a certificate or with a userID/password, the following return codes may be generated by the Beta Systems product.

RC	BSA IRC	Description
4	4	The security check on the user <i>userid</i> was unsuccessful.
8	8	The security check on the user <i>userid</i> was unsuccessful.
8	<i>nn</i>	Various RACF return/reason codes may appear, depending on the z/OS RACF version in use. See the IBM documentation for a description of the return and reason codes. If you cannot find the logon return code you are looking for in this table, you should also have a look at "Logon to product application RCs" on page 477.
24	24	The specified subsystem <i>ssid</i> has not been activated.
99	128	The session time limit entered in the LST parameter <i>Bnn_TCPIP_SESS_TIME_LIMIT</i> has been exceeded.
99	252	The security environment used on the z/OS system has not been activated, or contains some errors, or has not been initialized properly.
99	256	No license is available for the add-on used, or the license is invalid.
99	260	The maximum number of users licensed to work with the add-on at one time has been exceeded.
99	264	Invalid product application. An attempt was made to log on via a port that has not been defined for this product application.
99	268	Invalid product version. For example, an attempt was made to address a BSA V3 STC (SSID) from a BSA V6 STC (IP, port).
99	272	SSLAUTH without toleration was required, but the client did not pass a certificate, or no certificate specified.
99	276	No license is available for PKI, or license is invalid.
99	280	Invalid BSA PTF level for the SSID addressed.
99	284	Invalid LOGON PORT (for example, BSM port or service port).
99	296	A user ID is required.
0	300	Logon exit has no function.
0	304	Request was suppressed by logon exit.
99	308	Request was rejected by logon exit.

RC	BSA IRC	Description
99	312	The application submitted a password and a new passphrase, or a passphrase and a new password. The only combinations allowed are password/new password and passphrase/new passphrase, but not a mixture of both.
99	316	The passphrase exceeds the maximum permitted length of 100 characters.
99	320	The logon exit used does not support passphrases.
99	324	The logon exit rejected the passphrase.
1016	0	No license is available for the add-on used, or the license is invalid.

TCP/IP and VTAM codes

Overview

In the following TCP/IP return codes, VTAM or TCP/IP errors, and VTAM or TCP/IP errors and their sense codes are listed.

These codes occur in BSA message range 8500 through 8599, 9200 through 9299, and 9700 through 9799.

TCP/IP return codes

-1 An error has occurred. The TCP/IP error code number (errno) gives the reason for the error.

TCP/IP error code numbers:

- 1 an IBM socket error code, for example 00000032. See your IBM manuals for more information on TCP/IP error codes.
- 2 a Beta internal socket error code:
 - 999001 TCP/IP host name could not be resolved in the domain name server (DNS) - negative response.

TCP/IP RCs for BQL connect

RC	Description
952	bql_connect error - loaded codepage not found.
956	bql_connect error - codepage not found.
10000	bql_connect error - (original tcpip socket errno or formed from tcpip socket errno + 10000)

VTAM or TCP/IP errors

Pseudo sense codes (S=) are Beta-specific codes with the structure *xyynnnn* (for example, S=55010000) where:

xx 55 (fixed number)

yy describes the type of error:

- 01 error occurred while processing FCBs
- 02 error occurred while processing a VTAM request
- 03 user control error
- 05 error occurred while entering or transferring parameters
- 06 program abends
- 07 error occurred while processing a TCP/IP request

nnnn current error number

The pseudo sense code is displayed to the right of the message text, as shown below.

RC	Description	Sense code
500	BOF VTAM/PC print errors	
501	VTAM or TCP/IP function not active	

RC	Description	Sense code
502	Invalid function request code	
503	GETMAIN error OPEN request (VTAM / TCP/IP)	
504	DD name IMAGELIB not found	S=55010000
505	Open error IMAGELIB	S=55010001
506	Print FCB name not found in IMAGELIB	S=55010002
507	Print FCB name LOAD error	S=55010003
508	Print FCB name GETMAIN error	S=55010004
509	IMAGELIB not APF-authorized	S=55010005
510	VTVT control block is missing (MAIN)	S=55020000
511	VTVT control block is missing (OPEN)	S=55020000
512	Session partner abended	S=55020001
513	An internal error occurred while OPEN was being executed	S=55020002
514	General VTAM error (OPEN-Bind/SEND)	IBM VTAM sense code or S=55020006
515	VTAM request error (OPEN/TOPEN)	S=55020004
516	SHUTDOWN occurred while OPEN was being executed	S=55020005
517	SEND error occurred while executing OPEN (FCB)	S=55020006
518	Printer inactive (TOPEN)	S=55020008
520	Printer canceled (PRINT page)	S=55020009
521	Printer re-logout request error	S=55020010
522	No SCA control block found	S=55020011
523	VTAM request error / printer inactive (SEND)	IBM VTAM sense code or S=55020008
	or: Internal error while executing SEND / printer inactive	IBM VTAM sense code or S=55020012
	or: SHUTDOWN occurred while executing SEND	IBM VTAM sense code or S=55090000
524	VTVT control block missing (SEND)	S=55020000
525	Printer inactive (PCF APPC SEND)	S=55020008
526	Printer already active for another print request	S=55020016
530	MAXLINE value invalid	

RC	Description	Sense code
531	MAXLINE value overflow	S=55030001
532	MAXPAGE value overflow	S=55030002
533	No binary support active	S=55030003
540	GETMAIN error PCA control block	S=55050000
541	GETMAIN error WORK control block	S=55050001
542	GETMAIN error TCT control block	S=55050003
543	GETMAIN error print buffer control block	S=55050004
551	Second PARM for BOF request invalid	S=55050000
552	Third PARM for BOF request invalid	S=55050001
554	Keyword name error	S=55050003
555	TOPEN not possible	S=55050004
556	LUNAME parameter required	S=55050005
557	TCPIP_TASK parameter required in LST member	S=55050006
558	TCP/IP IPADR keyword missing	S=55050007
559	TCP/IP PORT keyword missing	S=55050008
560	Program abended	S=55060000
580	TCP/IP OPEN error	IBM TCP/IP error code
585	TCP/IP PRINT error / printer inactive	IBM TCP/IP error code
589	TCP/IP CLOSE error	IBM TCP/IP error code
590	TCP/IP PCF error (error from PCF server)	Internal Beta PCF error code
591	TCP/IP error while compressing data	S=55070004

License check codes

Overview

The following table describes the reason codes that are returned by the license check function. These codes occur in BSA message range 9000 through 9099.

Codes

Reason code	Description
1	Warning due to soon-to-expire license period
2	Warning due to expired license period, but the tolerance or goodwill period is still valid
3	Warning due to invalid license parameters for, for example, the CPU type; the goodwill period is in effect (this situation appears for the first time)
4	Warning due to invalid license parameters for, for example, the CPU type; the goodwill period is already effective
1000	Global XML error
1001	No tag "<.....> "
1002	End of file no ">"
1004	End name not found "</abc>"
2001	No body section in LI
2002	No hash ID found
2003	No hash value found
2004	Hash conversion error
2005	Invalid hash ID
2011	checked license does not match (product (generation), installation ID, policy, etc.)
2021	No termination date found
2022	Invalid termination date
2023	No start date found
2024	Invalid start date
2025	Start date not yet reached
2030	Trial period has expired
2031	License has expired

Reason code	Description
2032	License has expired and license policy is enforced
2033	Goodwill period has expired
2040	License period not found
2041	License type not found
2042	License type invalid
2050	Add-on not found
2051	Invalid add-on start date
2052	Add-on start date not yet reached
2053	Invalid add-on termination date
2054	Add-on license has expired

Subsystem initialization codes

Overview

The following table describes the reason codes that are returned during subsystem initialization. These codes occur in BSA message range 9100 through 9199.

Codes

RC	Description
4	The subsystem ID <i>ssid</i> was not initialized correctly or was not initialized at all by means of the program BST01ARI. The SSVT is missing.
8	The subsystem ID <i>ssid</i> was initialized with a wrong version of the program BST01ARI. The Beta SVC used with the start of the STC is not compatible with the program BST01ARI. A wrong version of the SSCA was found.
12	The subsystem ID <i>ssid</i> was not initialized correctly by means of the program BST01ARI or a wrong version of the program BST01ARI was used during the initialization. The Beta-specific XCFA was not found.
16	The subsystem ID <i>ssid</i> was not initialized correctly or was not initialized at all by means of the program BST01ARI. The SSCA could not be found.
24	The subsystem ID <i>ssid</i> was initialized with a wrong version of the program BST01ARI. The Beta SVC used with the start of the STC is not compatible with the program BST01ARI. A wrong version of the SSCA was found.
28	The subsystem <i>ssid</i> is using BSA V7, but the subsystem was initialized with a previous version of the program BST01ARI. If BSA V7 is used, subsystems must be initialized with the program BST01ARI that is provided with BSA V7.
32	The subsystem <i>ssid</i> is using BSA V7, but the specified SVC is not compatible with BSA V7. BSA V7 requires the use of the BSA V7 SVC.
36	The subsystem <i>ssid</i> is using BSA V7, but the module BST01SFF/BST01RFF is from a previous version of BSA. BSA V7 requires the use of the modules BST01SFF and BST01RFF that are provided with BSA V7.

ZIF activation codes

Overview

The following table describes the reason codes that are returned during ZIF activation. These codes occur in BSA message range 9100 through 9199.

Codes

Request	RC	IRC	Description
Connect	24	00000000	BSA version in use does not support zIIP.
Connect	32	00000000	Parameter error when calling function <code>bss_wlm_connect</code> .
Connect	36	00000000	Internal error when calling function <code>bss_wlm_connect</code> .
Connect	nn	xxxxxxx	Error during WLM connect in function <code>bss_wlm_connect</code> . More detailed rc/irc information can be obtained from macro IWM4CON or the IBM literature.
Create	24	00000000	BSA version in use does not support zIIP.
Create	32	00000000	Parameter error when calling function <code>bss_wlm_create</code> .
Create	36	00000000	Internal error when calling function <code>bss_wlm_create</code> .
Create	nn	xxxxxxx	Error during WLM create of an enclave in function <code>bss_wlm_create</code> . More detailed rc/irc information can be obtained from macro IWM4CRE or the IBM literature.

Database codes

Overview

The following table describes the codes (error codes, return codes, information return codes) that can occur in connection with database handling. These codes occur in BSA messages, in the logs and reports of the BSA database utilities, etc.

Note: IRCs ≥ 1000 are product-specific codes. Most of these codes occur in connection with database operations. Product-specific codes are described in the *Messages and Codes* of the corresponding product.

Originating component

The **Comp.** column indicates the originating component of the code, which is included for informational purposes.

BQL BQL component
 GBL Global Index Server
 VSAM VSAM component
 OBJ Object Server
 SPS Spool Service
 FMT Format component
 BSAM BSAM component
 BOF Base Output Facility component
 BAF Base Archive Facility component
 VSV VSAM Server

Codes

Code	Comp.	Description
1	BQL	Keyword error. The BQL statement contains an undefined keyword; check the keywords in the statement for spelling mistakes etc.
2	BQL	Table is not defined in the definition file.
3	BQL	Table set in error. See 'STARTUP Errors' and SYSLOG messages.
4	BQL	Field is not defined in the definition file.
5	BQL	Wrong value count; the UPDATE or INSERT statement contains fewer or more values than fields.
6	BQL	Value conversion error; the specified value could not be converted to the internal format of the field.
7	BQL	Comparison operator invalid or missing.
8	BQL	Boolean operator invalid or missing.
9	BQL	Value invalid. Length error.

Code	Comp.	Description
10	BQL	Field parameter missing in INSERT, SELECT or UPDATE statement.
11	BQL	WHERE clause missing in UPDATE or DELETE statement.
12	BQL	Value parameter missing in UPDATE or INSERT statement.
13	BQL	Statement incomplete.
14	BQL	Value exceeds range of field.
15	BQL	Invalid key in ORDER clause. Key not available in database.
16	BQL	Definition file not updated, specified file not found.
17	BQL	Keyword missing.
18	BQL	Definition file not updated: no product specified for deleting, inserting or updating. This applies only to the file definition.
19	BQL	Definition file not updated: File ID invalid.
20	BQL	Definition file not updated: File type invalid.
21	BQL	Only the internal or external field format can be entered.
22	BQL	A table or key cannot be found. This occurs only while a database is being loaded.
23	BQL	The database mask used for the date is invalid.
25	BQL	The WHERE command used in the BQL command is too long.
30	BQL	Definition file not updated: duplicate dataset name.
31	BQL	Definition file not updated: status of dataset not model.
32	BQL	Wrong CSI; CSI has to be a multiple of 4096.
33	BQL	File was not deleted: File not empty.
34	BQL	Keyword missing.
35	BQL	The generation file is missing.
36	BQL	Duplicate keyword in BQL statement.
37	BQL	The file is not available because it has already been closed.
38	BQL	The VSAM file could not be found.
39	BQL	The desired function is unavailable while the database is running because the database is shared. If databases are shared, you must stop all database access to be able to delete spool files, insert generation files, etc.
40	BQL	An error has occurred during the file opening.

Code	Comp.	Description
41	BQL	The spool file, cache file, or index file cannot be deleted. The database is still used by another STC or batch job.
42	BQL	BST05DBL was called to load data into a GEN file, but the GENFILE(<i>nn</i>) parameter has not been coded. GENFILE(<i>nn</i>) is required if the file to be loaded is a GEN file.
43	BQL	Generation file not deleted: File not empty.
44	BQL	BST05DBL encountered an error during writing of the UNLOAD file.
45	BQL	Inconsistent length; the length specified in the table definition of the definition file differs from the length specified in the sequential file. This occurs only while a database is being loaded.
46	BQL	Sequential file could not be allocated.
47	BQL	Sequential file could not be opened.
48	BQL	While loading a database, an error (GET) has occurred in module BST05DBL.
49	BQL	The file exit could not be found.
50	BQL	Communication error between slave and master.
55	BQL	A requested resource was locked beforehand (Enqueue), for example: LOCK NAME(<i>xxx</i>) TEST This code also occurs, for example, if a user requests to browse or print from an archive tape volume that is already in use by another user.
61	BQL	The field could not be found in table BSAUBP.
62	BQL	The table BSAUBP could not be found.
63	BQL	It is not allowed to update or delete table BSAUBP.
70	BQL	A reload request has been made for a data set that is not open.
75	BQL	A select was made on a dataset record, but the dataset could not be found.
76	BQL	Dataset is invalid.
77	BQL	The transferred pointer is invalid.
78	BQL	The print control length is invalid; check the accompanying messages to determine the cause of the print error.
79	SPS	An error occurred on the spool page.
80	SPS	List is already open in the current transaction.
81	SPS	Report was not opened because list is not open. The list must be opened before you can open a report.
83	SPS	Command failed because list and/or report not open.

Code	Comp.	Description
86	BAF	The archive dataset contains unexpected data (OSH).
87	BAF	The archive dataset contains unexpected data.
88	BAF	Read error (Page); SPS (spool service) cannot read in the spool. Check the accompanying messages to determine the cause of the read error.
89	BAF	A list is to be browsed or printed from an archive tape, but the maximum number of tapes that can be allocated has already been reached. This number is controlled by the LST parameter B08_ARCHIVE_TAPE = <i>n</i> .
90	BAF	Archive pool not found
91	BAF	File allocation error
92	BAF	File open error
93	BAF	Write error; check the accompanying messages to determine the cause of the write error.
95	BAF	Block record for reload not found
96	BAF	Archive type not defined
97	BAF	Archive version not defined
98	BAF	Page not found (This occurs during tape view.)
99	BAF	Read error; check the accompanying messages to determine the cause of the read error.
102	VSAM	VSAM error: file not found.
103	VSAM	VSAM error: undefined command/request.
105	VSAM	General VSAM error.
106	VSAM	The contents of the block used do not correspond with those in SMR/SIR.
111	BQL	Block allocation error: the database is full.
120	BQL	Record not deleted: inconsistency between record and key.
121	BQL	Record not updated: inconsistency between record and key.
122	BQL	Record not read: inconsistency between record and key.
130	BQL	Duplicate table.
131	BQL	Table is not allocated in the file.
135	BQL	The LOG file is too small.
140	BQL	Key not found: inconsistency between record and key.
141	BQL	Record not updated: inconsistent key length.

Code	Comp.	Description
142	BQL	Duplicate key: key must be unique.
143	BQL	Record not read: inconsistent key length in a SELECT command.
144	BQL	Record not deleted: inconsistent key length in a DELETE command.
145	BQL	Invalid key block.
146	BQL	Invalid table block.
150	BQL	While comparing the database record with the old one, inconsistencies have been found (REC is not equal to OLDREC).
151	BQL	An invalid command occurred during a log sequence.
160	BQL	Shutdown was carried out before the lock database is unlocked.
161	BQL	Two lock databases have been executed.
212	SPS	Inconsistent timestamp between product pointer, spool index or page block.
213	SPS	Spool page number invalid.
216	SPS	Error in spool index: file ID = 0.
217	SPS	Error in spool index: rba = 0.
218	SPS	Error in spool index: slot = 0.
219	SPS	Error in spool index: slot invalid.
221	SPS	Error in spool index: CI size = 0.
224	SPS	Page number invalid.
226	SPS	The page note defined for this specific list page was not found.
227	SPS	Referenced print control page not found.
230	SPS	When pages exceed the size of 32K, the page number will become invalid.
250	SPS	Reload request for an expired list.
255	SPS	A list is to be browsed or printed from an archive tape, but LST parameter B08_ARCHIVE_TAPE = 0 has been specified, which forbids this. Contact your system administrator if you have to browse or print from archive tapes.
301	FMT	Work file for formatter could not be allocated.
302	FMT	IDCAMS error; refer to the IDCAMS protocol (SYSPRINT) to determine the cause of this error.
303	FMT	VSAM file could not be allocated.
304	FMT	VSAM file could not be opened.
305	FMT	VSAM file could not be initialized.

Code	Comp.	Description
306	FMT	VSAM file could not be closed.
307	FMT	Work file for formatter could not be deallocated.
310	FMT	Error in the master control block (SMR) of the VSAM file.
312	FMT	VSAM file is already formatted.
320	FMT	VSAM file could not be opened.
350	BSAM	End of volume: file is full.
400	BOF	Output allocation error
401	BOF	Allocation error
402	BOF	QSAM open error
403	BOF	User authorization error
404	BOF	An error occurred while loading one of the product exits.
405	BOF	STC authorization error
406	BOF	An error occurred while decompressing a page.
450	BOF	Invalid page control block (PAB)
701	OBJ	Serialization error
702	OBJ	Initialization error
705	OBJ	File ID has been switched during deallocation
711	OBJ	File not found
712	OBJ	File not found
715	OBJ	VSAM control block (SIR) is reserved
721	OBJ	Allocation error. Medium (tape, disk etc.) error
722	OBJ	Allocation error
723	OBJ	BSAM open error
724	OBJ	BSAM point error
725	OBJ	BSAM read error
726	OBJ	BSAM write error
727	OBJ	BSAM block number
728	OBJ	LFDNR out of range
731	OBJ	A select was made for a dataset record, however, the dataset was not found.

Code	Comp.	Description
732	OBJ	AOR record not found
735	OBJ	Invalid page length
736	OBJ	Invalid page
737	OBJ	No data page
738	OBJ	Loop next page
740	OBJ	INDEXPTR not found
741	OBJ	SPOOL pointer not found
742	OBJ	PAGE not found
743	OBJ	Print control not found
744	OBJ	Timestamp of a block in error
745	OBJ	Block level error
746	OBJ	An invalid insert type has been used
747	OBJ	An error has occurred during decompression
748	OBJ	Max IO exceeded
749	OBJ	Invalid page number
750	OBJ	No devices have been allowed in the LST member
751	OBJ	Asynchronous archive access is requested
801	GBL	GLP not found
802	GBL	IAR not found
811	GBL	GBL DIFF INS/DEL
812	GBL	IDX DIFF INS/SEL
819	GBL	GLP TIME TYPE
821	GBL	GLOBAL PTR = ZERO
822	GBL	INDEX PTR = ZERO
851	VSV	Invalid server INIT phase
852	VSV	Invalid server call
853	VSV	Invalid server structure (VSV)
854	VSV	Invalid access (INS/SEL/DEL)
855	VSV	Invalid remote access (SELECT)

Code	Comp.	Description
856	VSV	Request (BRW/PRT/ARC/RDR/CLN)
857	VSV	OPEN ==> (LIST/RSRCE/REPORT) INSERT ==< (PAGE/RSRCE/PRTC)
858	VSV	Report/list not open
859	VSV	Invalid page
860	VSV	Page structure has no data
861	VSV	Page number outside this document
862	VSV	Invalid page extension
863	VSV	Invalid page decompression
864	VSV	Database definition file (DD BnnDEFI) not available
865	VSV	List/report is not closed
871	VSV	Unique document token = zero
872	VSV	List/report pointer = zero
873	VSV	Pointer is invalid
874	VSV	Invalid product (Beta 93/97)
881	VSV	Document is not expired (REQ=DEL)
901	BQL	Product not found. See SYSLOG.
902	BQL	Subsystem ID not found. See SYSLOG.
903	BQL	DD card (product DEFI) not found. See SYSLOG.
904	BQL	Definition file in error. See SYSLOG.
905	BQL	Synchronization file in error. See SYSLOG.
906	BQL	Inconsistent timestamp in the database. See SYSLOG.
907	BQL	Synchronization file already in use.

Note: IRCs >= 1000 are product-specific codes. Most of these codes occur in connection with database operations. Product-specific codes are described in the *Messages and Codes* of the corresponding product.

Codes of batch jobs under control of STC

Overview

The following table describes the codes that can occur when a batch job is submitted under the control of the Beta product started task. These codes occur in BSA message range 9900 through 9999.

Codes

Code	Description
370	Invalid Beta SVC (invalid BSA or SVC version).
371	User does not have access to the dataset that the job is to be submitted from.
372	The started task user is not authorized to carry out this request. This user does not have READ access to the profile BETA.ssid.CHANGE.USERID in the FACILITY class.
373	The calling user is not an SFF started task.
374	The user specified during submit is not defined in RACF.
375	READJFCB error for the dataset to be submitted.
376	The DDNAME of the dataset to be submitted is invalid or does not exist.
377	The dataset to be submitted has an invalid record format. Only FBA, VBA, FB, VB are permitted.
378	The dataset to be submitted has an invalid record length. Depending on the record format, the record length must be between 80 and 85.
379	Submit failed. As a rule, this results in an abend. Please refer to the job log.

Calling for support

Overview

If you encounter a problem with a Beta Systems product that you feel unable to solve on your own, you can call your local Beta Systems representative or Beta Systems support for assistance.

You can help Beta Systems to determine the source of your problem more quickly if you have all relevant information at hand before you call for support.

The following list of questions is intended to help you collect the information that Beta Systems support needs to know. You can find a form at the end of this section in which you can enter some of the required information (see "Checklist before you call for support" on page 503).

Questions on software environment

Following is a list of general questions on your software environment:

- In which Beta Systems product did the error occur?
- Which release and PTF level of this product are installed at your site? Has the environment of your Beta Systems product changed lately (for example, have any PTFs or APARs been applied or database names changed)?
- Do the started task, the TSO users and all batch jobs use the same BETA load libraries?
- Is the Beta SVC correct? Do all parmlib members used by the product started tasks and batch jobs point to the correct SVC?
- Which z/OS, JES, ISPF, RACF, VTAM, CICS, version do you use? Do you use JES2 or JES3? Have there been any changes in any of these products lately?
- Is it possible that any other software products might be involved in producing the error? Please note the installed releases of all other products possibly involved.

Questions about the nature of the error

Questions

- Did the error occur in a batch function?
- Did the error occur in an online function?
- Did the error occur under TSO, VTAM, CICS, IMS?
- Did the error occur in the product's started task or in the VTAM Dialog Facility started task?
- Do the started task, the TSO users and all batch jobs use the same BETA load libraries?
- Is the SVC correct?

The BETA user SVC has to be copied to your system LPALIB and an IPL with CLPA has to be performed before any changes in the SVC are activated. You must also make sure that all parmlib members used by the product's started tasks and batch jobs point to the correct SVC.

If error in batch job

If the error occurred in a batch job, you should have the following information at hand:

- Job log
- SYSLOG,
- Dump (if a dump was written)

SFF dumps contain an abend descriptor block (ADB) which provides information on register contents at the time of the ABEND and the involved modules. See "Printing the abend descriptor block" on page 501 for details.

If error in online function

If the error occurred in an online function, you should have the following information at hand:

- Is the error reproducible?
- Which online function was performed at the time of the error?
- In which panel (panel ID) did the error occur? (The primary command PANELID displays the panel ID.)
- Which messages (long messages) were displayed in the panel?
- Does the error occur under any special circumstances (for example, was the started task stopped shortly before the error occurred)?
- Do the online user and the started task use the same load libraries?
- Where is the program loaded from?
 - Linklist
 - Steplib
 - LIBDEF service

If error in started task

If the error occurred in a started task, you should have the following information at hand:

- Started task log
- SYSLOG
- Dump (if a dump was written)

SFF dumps contain an abend descriptor block (ADB) which provides information on register contents at the time of the abend and the involved modules. See "Printing the abend descriptor block" on page 501 for details.
- Information on the accompanying circumstances at the time the error occurred

For example, how many online users of the Beta Systems product were there? Were there any batch jobs running against the subsystem?

Active tasks

If a batch job or started task does not seem to be running anymore, you can use some operator console commands to find out which functions are active:

- F *stcname*,TL Shows active functions
- F *stcname*,ST Shows SFF operating statistics
- F *jobname*,TL Shows active batch functions

Replace *stcname* with the name of your started task and *jobname* with the name of the batch job. After you enter any of the above commands, a table with the requested information is written to the operator console. It is helpful if the corresponding part of the SYSLOG is available when you call.

Console commands for VDF

You can use the following console commands for VDF:

- F *b09stc*,LISTUSER=ALL Shows all active VDF users
- F *b09stc*,STATUS Displays the status of the VTAM-LU during LOGON

Providing additional information

Introduction

This section helps you to provide additional information about your problem to send to Beta Systems support.

Trace Information

It is easier for us to trace the error when you send us the short trace. The short trace is written in the SFF dump when you insert the SFFTRACE DD card in the started task procedure and the batch jobs. In order to find the trace table, browse the SFF dump with the command `F TRACE 1`. The following lines contain the short trace contents. The trace table spans more than one page.

Note: We recommend that you turn off the short trace after taking the dump. To turn off the short trace, remove the SFFTRACE DD card from the JCL.

Printing the abend descriptor block

If an SFF dump was produced, print out all abend descriptor blocks (ADB). SFF dumps contain at least one ADB which gives information on register contents at the time of the abend and on the involved modules. In order to find the ADB, browse the SFFDUMP with the command `F ABEND 1`. The following lines contain the register contents at the time of the abend and at the last call of the Subsystem Function Facility. It is sufficient to send us only this page.

Note: If you browse the dump using SDSF or another program which displays control characters in the first position, the string **ABEND** has to be searched at position 2 instead of 1.

TSO dumps

If an abend occurs under TSO in an online function, usually no dump is written. In order to trace the error, it is nevertheless useful to receive a TSO dump. The following steps must be followed in order to get a TSO dump:

1. Enter the following TSO command:
`ALLOC FI(SYSUDUMP) SYSOUT(x)`
For *x* substitute the SYSOUT class to which the dump should be written.
2. Activate the ISPF TEST option. To do this, select ISPF option 7 and quit the option again with PF3.
3. Select the Beta product where the error occurred and perform the same functions that led to the abend.
4. When the option TEST is activated, you do not receive the ISPF Primary Selection Menu after the abend, but go into in the READY mode.
5. Press ENTER to start the writing of the dump.

MVS dumps

MVS dumps are written only when a SYSUDUMP DD statement is inserted in the batch job or started task JCL. We recommend suppressing the processing of the dump by Abend Aid by inserting this DD statement in the JCL:

```
//ABNLIGNR DD DUMMY
```

Sending a dump

If it becomes necessary that you send a dump to determine the source of the problem, there are a few things that you can do to facilitate the analysis:

- Please send us the log of the job with which the dump was copied to dataset along with the dump.
- Please send us a short description of the dump containing:
 - A short description of the problem
 - The dataset name
 - The type of dump (MVS, SFF, SVC)
 - How it was copied (for example, IEBGENER, XWTR, OFFLOAD)
 - The corresponding ticket/record number (if available)
- Multiple dumps should be copied to multiple datasets.
- We recommend using a sysout class processed by `_beta doc|z` or `_beta log|z` on the SFFFDUMP DD statement in the started task procedure and the batch utilities.

If the sysout class is processed by `_beta log|z`, you can use the B92PRINT batch utility to copy the dump to dataset (see *_beta log|z User Guide*).

If the sysout class is processed by `_beta doc|z`, you can choose a distribution characteristic of the type CLIST to copy the dump to a dataset (see *_beta doc|z User Guide*).

- You can unload a dump to dataset directly from the JES spool with OFFLOAD only if you use JES2.
- An SVC dump has to be formatted first with IPCS. Please print the CSA, SQA, LSQA, log records, trace table and private storage, too, when you format the dump. Call IPCS option 3 (SUBMIT) and then option 2 (SVC DUMP).
- We recommend the following DCB specifications for a dump:

```
RECFM=VBM
LRECL=137
BLKSIZE=32760
```

- Please do not send dumps taken with Abend Aid. The dump processing with Abend Aid can be suppressed by inserting this DD statement in the started task or batch job JCL:

```
//ABNLIGNR DD DUMMY
```

Checklist before you call for support

Beta product: _____

Release: _____

JES version (JES2 or JES3?): _____

ISPF version: _____

Other software versions: _____

PTF level: _____

z/OS version: _____

RACF version: _____

Online functions:

Which function (online option): _____

Panel ID: _____

Program name: _____

Program/PTF level: _____

Date/time: _____

Error reproducible: _____

YES / NO

Batch/STC functions:

Job log available: _____

YES / NO

SYSLOG available: _____

YES / NO

TL command entered: _____

YES / NO

STL command entered: _____

YES / NO

ST command entered: _____

YES / NO

Dump information:

Problem description: _____

Ticket/Record number: _____

Type (MVS/SFF/SVC): _____

How was dump copied (job log): _____