
# TCP/IP-TOOLS

and

# IPv6/VSE

## Messages and Codes

Current Build

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**Preface**

# About this Publication

This is the **TCP/IP-TOOLS and IPv6/VSE Messages and Codes** manual. The manual provides a reference for all messages and the various codes used by TCP/IP-TOOLS and IPv6/VSE.

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# Problem Determination

If you have a problem using a TCP/IP-TOOLS application always check the SYSLST output for additional information and messages. Most messages are written to SYSLST and not to the VSE/ESA

system console.

When contacting BSI for technical support always have the applications JCL/commands, console and SYSLST output available for problem determination. The SYSLST output is very important.

While a TCP/IP-TOOLS application is running, you can issue the **AR CANCEL XX,PARTDUMP** command to terminate TCP/IP-TOOLS application and dump the partition to SYSLST. Using the VSE/POWER Flush (F) command cancels the TCP/IP-TOOLS application partition without a dump.

If the TCP/IP-TOOLS application partition stops responding to its console interface, use the **AR DUMP XX** command to obtain a dump of the partition.

**Chapter 1**

# VSE/POWER XPCC Error Codes

```
BSTT041I XPCC ERROR FTPCT0B5 FC=0400 RC=0000 PXU=0100 PXP=0401
```

The BSTT041I message indicates an error occurred during XPCC communication with VSE/POWER. The FC field shows the XPCC function code/function description byte values. The RC field shows the XPCC return code/reason code byte values. The PXU field shows the XPCC VSE/POWER User field byte values. The PXP field shows the XPCC VSE/POWER return code field values.

To identify the PXP error, use the following table. For example for PXP=0401, look in the return code column for 04 and in the reason code column for 01 to find JOB/OUTPUT NOT FOUND.

| RETURN CODE | ID CODE | REASON CODE | DESCRIPTION |
|---|---|---|---|
| X'00' | OK | X'00' | OK, NO ERROR |
| X'00' | EOD | X'01' | END OF DATA |
| X'00' | NJB | X'02' | JOB NOT ON JOB BOUNDARY |
| X'00' | NRS | X'03' | NO RECORD SPOOLED |
| X'00' | RTR | X'04' | RECORD EXCEEDS SPEC. MAX. LENGTH |
| X'00' | ZBF | X'05' | ZERO DATA BUFFER |
| X'00' | CIA | X'06' | CHECKPOINT ID ALTERED |
| X'04' | NOF | X'01' | JOB/OUTPUT NOT FOUND |
| X'04' | JOP | X'02' | JOB/OUTPUT PROTECTED |
| X'04' | BSY | X'03' | JOB/OUTPUT MARKED ACTIVE (BUSY) |
| X'04' | NDS | X'04' | JOB/OUTPUT NOT DISPATCHABLE |
| X'04' | IDP | X'05' | APPEND ERROR, INVALID DISPOSITION |
| X'04' | RER | X'06' | RESTART ERROR, OUTSIDE RANGE |
| X'04' | CER | X'07' | CHECKPOINT ERROR, OUTSIDE RANGE |
| X'04' | SOD | X'08' | SHORT ON SPOOL FILE SPACE (SOD) |
| X'04' | SOA | X'09' | SHORT ON ACCOUNT FILE SPACE (SOA) |
| X'04' | BER | X'0A' | REQUEST PROHIBITED IN BROWSE MODE |
| X'04' | DNF | X'0B' | NOTHING FOUND IN QUEUE(S) (DISPL) |
| X'04' | TQN | X'0C' | TEMP QUEUE SET NOT FOUND |
| X'04' | NMU | X'0D' | NO MATCHING USER ID |
| X'04' | WDP | X'0E' | RESTART DISP NOT D,H,K,L OR X |
| X'04' | JSR | X'0F' | JOB SUFFIX NUMBER MANDATORY |
| X'04' | NOQ | X'10' | NO ORDER/SIGNAL QUEUED |
| X'04' | ONF | X'11' | OPTB(S) NOT FOUND |
| X'08' | SPL | X'01' | INVALID SPL |
| X'08' | REQ | X'02' | UNKOWN REQUEST TYPE |
| X'08' | SRQ | X'03' | UNKOWN SUB-REQUEST TYPE |
| X'08' | FB2 | X'04' | UNKOWN FUNCTION BYTE 2 |
| X'08' | JNM | X'05' | INVALID JOB NAME |
| X'08' | QID | X'06' | INVALID QUEUE IDENTIFIER |
| X'08' | CLS | X'07' | INVALID CLASS |

| RETURN CODE | ID CODE | REASON CODE | DESCRIPTION |
|---|---|---|---|
| X'08' | PWD | X'08' | INVALID PASSWORD |
| X'08' | UID | X'09' | INVALID USER/REMOTE-ID |
| X'08' | RFM | X'0A' | INVALID RECORD FORMAT |
| X'08' | DSP | X'0B' | INVALID DISPOSITION |
| X'08' | PRY | X'0C' | INVALID PRIORITY |
| X'08' | SID | X'0D' | INVALID SYTEM IDENTIFIER |
| X'08' | TNN | X'0E' | INVALID DESTINATION NODE |
| X'08' | TUN | X'0F' | INVALID DEST. USER/REMOTE |
| X'08' | FNO | X'10' | INVALID FORMS IDENTIFIER |
| X'08' | FCB | X'11' | INVALID FCB NAME |
| X'08' | UCB | X'12' | INVALID UCB NAME |
| X'08' | FLH | X'14' | INVALID FLASH IDENTIFIER |
| X'08' | CPT | X'15' | INV. COMPACTION TABLE NAME |
| X'08' | CGP | X'16' | INVALID COPY GROUPINGS |
| X'08' | CHR | X'17' | INVALID CHAR TABLE(S) |
| X'08' | MOD | X'18' | INV. COPY MODIFICATION NAME |
| X'08' | CCR | X'19' | INVALID CHAR FOR COPY MOD |
| X'08' | BTS | X'1A' | BUFFER TOO SMALL |
| X'08' | IAO | X'1B' | WRONG SPEC. OF APPEND/RESTART OPT |
| X'08' | IAB | X'1C' | INVALID ACTION REQUEST |
| X'08' | ICR | X'1D' | INVALID CONTROL RECORD |
| X'08' | PRG | X'1E' | INVALID PROGRAMMER NAME |
| X'08' | ROO | X'1F' | INVALID ROOM NUMBER |
| X'08' | DPT | X'20' | INVALID DEPARTMENT NUMBER |
| X'08' | BLD | X'21' | INVALID BUILDING NUMBER |
| X'08' | CON | X'22' | CONFLICTING SPECIFICATIONS |
| X'08' | ROL | X'23' | RECEIVED RECORD TOO LARGE |
| X'08' | IBT | X'24' | INVALID BUFFER TYPE |
| X'08' | ROS | X'25' | REQUEST OUT OF SEQUENCE |
| X'08' | SOS | X'26' | SPL RECEIVED OUT OF SEQUENCE |
| X'08' | BOS | X'27' | RECEIVED BUFFER OUT OF SEQUENCE |
| X'08' | RPH | X'28' | REQUEST PROHIBITED |
| X'08' | ISS | X'29' | INVALID SIGNAL SPECIFICATION |
| X'08' | RPW | X'2A' | RECORD PREFIX WRONG |
| X'08' | FB1 | X'2B' | UNKOWN FUNCTION BYTE 1 |
| X'08' | IML | X'2C' | INVALID MAX. RECORD LENGTH IN SPL |
| X'08' | IEX | X'2D' | INVALID SUBSYSTEM NAME |
| X'08' | SPA | X'2E' | COMPLETE RECORD NOT IN BUFFER |
| X'08' | ICC | X'2F' | INVALID CARRIAGE CONTROL CHAR |
| X'08' | IOR | X'30' | INVALID ORDER |
| X'08' | JNO | X'31' | INVALID JOB NUMBER(=0) |
| X'08' | JSF | X'32' | INVALID JOB SUFFIX NO (>127) |
| X'08' | IUI | X'33' | INVALID USER INFORMATION |
| X'08' | IPD | X'34' | GET-SPL FROM RDR QUEUE OR |
| X'08' | UXR | X'35' | UNEXPECTED RESPONSE RECEIVED |
| X'08' | WOS | X'36' | WAIT FOR ORDER OUT OF SEQUENCE |
| X'08' | NSP | X'37' | INVALID SEPARATOR PAGES/CARDS |
| X'08' | IRR | X'38' | INVALID REQUEST FOR RDR |
| X'08' | IOP | X'39' | INVALID OPTB SPECIFIED |

| RETURN CODE | ID CODE | REASON CODE | DESCRIPTION |
|---|---|---|---|
| X'08' | OLM | X'3A' | OPTB LENGTH MISMATCH |
| X'08' | DOP | X'3B' | DUPLICATE OPTBS SPEC. |
| X'08' | OTL | X'3C' | SPECIFIED OPTBS TOO LONG |
| X'08' | IDH | X'3D' | INVALID DSHR FOUND |
| X'08' | DIS | X'3E' | INVALID DISTRIBUTION CODE |
| X'08' | INK | X'3F' | INVALID KEYWORD (SYNTAX) |
| X'08' | NDK | X'40' | DEFINE MISS. FOR KEYWORD |
| X'08' | IDV | X'41' | INVALID KEYWORD VALUE |
| X'0C' | INS | X'01' | SEND ISSUED, BUT SENDR REQUIRED |
| X'0C' | IXF | X'02' | USED XPCC FCT NOT SUPPORTED |
| X'0C' | BTL | X'03' | BUFFER TOO LARGE |
| X'0C' | PER | X'04' | PROTOCOL ERROR |
| X'0C' | PVD | X'05' | PROTOCOL VIOLATION BY DDS |
| X'10' | CAA | X'03' | CONNECTION ALREADY ACTIVE |
| X'10' | PSP | X'05' | PSTOP GIVEN BY OPERATOR |
| X'10' | SIE | X'06' | SEVERE INTERNAL ERROR |

**Chapter 2**

# ICMPv4 Messages

ICMP TYPE NUMBERS

The Internet Control Message Protocol (ICMP) has many messages that are identified by a "type" field.

**ICMPv4 "Type" Fields**

| Type | Name | Reference |
|---|---|---|
| 0 | Echo Reply | [RFC792] |
| 1 | Unassigned | [JBP] |
| 2 | Unassigned | [JBP] |
| 3 | Destination Unreachable | [RFC792] |
| 4 | Source Quench | [RFC792] |
| 5 | Redirect | [RFC792] |
| 6 | Alternate Host Address | [JBP] |
| 7 | Unassigned | [JBP] |
| 8 | Echo | [RFC792] |
| 9 | Router Advertisement | [RFC1256] |
| 10 | Router Solicitation | [RFC1256] |
| 11 | Time Exceeded | [RFC792] |
| 12 | Parameter Problem | [RFC792] |
| 13 | Timestamp | [RFC792] |
| 14 | Timestamp Reply | [RFC792] |
| 15 | Information Request | [RFC792] |
| 16 | Information Reply | [RFC792] |
| 17 | Address Mask Request | [RFC950] |
| 18 | Address Mask Reply | [RFC950] |
| 19 | Reserved (for Security) | [Solo] |
| 20-29 | Reserved (for Robustness Experiment) | [Zsu] |
| 30 | Traceroute | [RFC1393] |
| 31 | Datagram Conversion Error | [RFC1475] |
| 32 | Mobile Host Redirect | [David Johnson] |
| 33 | IPv6 Where-Are-You | [Bill Simpson] |
| 34 | IPv6 I-Am-Here | [Bill Simpson] |
| 35 | Mobile Registration Request | [Bill Simpson] |
| 36 | Mobile Registration Reply | [Bill Simpson] |
| 37 | Domain Name Request | [Simpson] |
| 38 | Domain Name Reply | [Simpson] |
| 39 | SKIP | [Markson] |

```
 40     Photuris                              [RFC2521]
 41-255 Reserved                              [JBP]
```

**ICMPv4 "Code" Fields**

Many of these ICMP types have a "code" field. Here we list the types again with their assigned code fields.

```
Type    Name                                    Reference
----    ------------------------                ---------

  0     Echo Reply                               [RFC792]
        Codes
            0  No Code
  1     Unassigned                                  [JBP]
  2     Unassigned                                  [JBP]
  3     Destination Unreachable                  [RFC792]
     Codes
         0  Net Unreachable
         1  Host Unreachable
            2  Protocol Unreachable
            3  Port Unreachable
            4  Fragmentation Needed and Don't Fragment was Set
            5  Source Route Failed
            6  Destination Network Unknown
            7  Destination Host Unknown
            8  Source Host Isolated
            9  Communication with Destination Network is
               Administratively Prohibited
           10  Communication with Destination Host is
               Administratively Prohibited
           11  Destination Network Unreachable for Type of Service
           12  Destination Host Unreachable for Type of Service
           13  Communication Administratively Prohibited [RFC1812]
           14  Host Precedence Violation                 [RFC1812]
           15  Precedence cutoff in effect               [R0FC1812]
  4     Source Quench                            [RFC792]
        Codes
            0  No Code
  5     Redirect                                 [RFC792]
        Codes
            0  Redirect Datagram for the Network (or subnet)
            1  Redirect Datagram for the Host
            2  Redirect Datagram for the Type of Service and Network
```

```
          3  Redirect Datagram for the Type of Service and Host
 6     Alternate Host Address                          [JBP]
       Codes
          0  Alternate Address for Host
 7     Unassigned                                      [JBP]
 8     Echo                                         [RFC792]
       Codes
          0  No Code

 9     Router Advertisement                        [RFC1256]
       Codes
          0  Normal router advertisement
         16  Does not route common traffic        [RFC2002]
10     Router Selection                            [RFC1256]
       Codes
          0  No Code
11     Time Exceeded                                [RFC792]
       Codes
          0  Time to Live exceeded in Transit
          1  Fragment Reassembly Time Exceeded

12     Parameter Problem                            [RFC792]
       Codes
          0  Pointer indicates the error
          1  Missing a Required Option            [RFC1108]
          2  Bad Length
13     Timestamp                                    [RFC792]
       Codes
          0  No Code
14     Timestamp Reply                              [RFC792]
       Codes
          0  No Code
15     Information Request                          [RFC792]
       Codes
          0  No Code
16     Information Reply                            [RFC792]
       Codes
          0  No Code
17     Address Mask Request                         [RFC950]
       Codes
          0  No Code
18     Address Mask Reply                           [RFC950]
       Codes
          0  No Code
19     Reserved (for Security)                        [Solo]
```

```
20-29  Reserved (for Robustness Experiment)        [Zsu]
30     Traceroute                                [RFC1393]
31     Datagram Conversion Error                 [RFC1475]
32     Mobile Host Redirect                 [David Johnson]
33     IPv6 Where-Are-You                    [Bill Simpson]
34     IPv6 I-Am-Here                        [Bill Simpson]
35     Mobile Registration Request           [Bill Simpson]
36     Mobile Registration Reply             [Bill Simpson]
39     SKIP                                      [Markson]
40     Photuris                                  [RFC2521]
    Codes
           0 = Bad SPI
           1 = Authentication Failed
           2 = Decompression Failed
           3 = Decryption Failed
           4 = Need Authentication
           5 = Need Authorization
```

# ICMPv6 Messages

Internet Control Message Protocol version 6 (ICMPv6) Type Numbers

The Internet Control Message Protocol (ICMPv6) has many messages that are identified by a "type" field [RFC4443]. Error messages have message Types from 0 to 127. Informational messages have message Types from 128 to 255.

### ICMPv6 "Type" Fields

| Type | Name | Reference |
|---|---|---|
| 1 | Destination Unreachable | [RFC4443] |
| 2 | Packet Too Big | [RFC4443] |
| 3 | Time Exceeded | [RFC4443] |
| 4 | Parameter Problem | [RFC4443] |
| 100 | Private experimentation | [RFC4443] |
| 101 | Private experimentation | [RFC4443] |
| 102-126 | Unassigned | |
| 127 | Reserved for expansion of ICMPv6 error messages | [RFC4443] |
| 128 | Echo Request | [RFC4443] |
| 129 | Echo Reply | [RFC4443] |
| 130 | Multicast Listener Query | [RFC2710] |
| 131 | Multicast Listener Report | [RFC2710] |
| 132 | Multicast Listener Done | [RFC2710] |
| 133 | Router Solicitation | [RFC4861] |
| 134 | Router Advertisement | [RFC4861] |
| 135 | Neighbor Solicitation | [RFC4861] |
| 136 | Neighbor Advertisement | [RFC4861] |
| 137 | Redirect Message | [RFC4861] |
| 138 | Router Renumbering | [Crawford] |
| 139 | ICMP Node Information Query | [RFC4620] |
| 140 | ICMP Node Information Response | [RFC4620] |
| 141 | Inverse Neighbor Discovery Solicitation Message | [RFC3122] |
| 142 | Inverse Neighbor Discovery Advertisement Message | [RFC3122] |
| 143 | Version 2 Multicast Listener Report | [RFC3810] |
| 144 | Home Agent Address Discovery Request Message | [RFC3775] |
| 145 | Home Agent Address Discovery Reply Message | [RFC3775] |

| | | |
|---|---|---|
| 146 | Mobile Prefix Solicitation | [RFC3775] |
| 147 | Mobile Prefix Advertisement | [RFC3775] |
| 148 | Certification Path Solicitation Message | [RFC3971] |
| 149 | Certification Path Advertisement Message | [RFC3971] |
| 150 | ICMP messages utilized by experimental mobility protocols such as Seamoby | [RFC4065] |
| 151 | Multicast Router Advertisement | [RFC4286] |
| 152 | Multicast Router Solicitation | [RFC4286] |
| 153 | Multicast Router Termination | [RFC4286] |
| 154 | FMIPv6 Messages | [RFC5568] |
| 155-199 | Unassigned | |
| 200 | Private experimentation | [RFC4443] |
| 201 | Private experimentation | [RFC4443] |
| 255 | Reserved for expansion of ICMPv6 informational messages | [RFC4443] |

### ICMPv6 "Code" Fields

Many of these ICMP types have a "code" field. Here we list the types again with their assigned code fields.

| Type | Name | Reference |
|---|---|---|
| 1 | Destination Unreachable | [RFC4443] |
| Code | 0 - no route to destination | |
| | 1 - communication with destination administratively prohibited | |
| | 2 - beyond scope of source address [RFC4443] | |
| | 3 - address unreachable | |
| | 4 - port unreachable | |
| | 5 - source address failed ingress/egress policy [RFC4443] | |
| | 6 - reject route to destination [RFC4443] | |
| 2 | Packet Too Big | [RFC4443] |
| Code | 0 | |
| 3 | Time Exceeded | [RFC4443] |
| Code | 0 - hop limit exceeded in transit | |
| | 1 - fragment reassembly time exceeded | |
| 4 | Parameter Problem | [RFC4443] |
| Code | 0 - erroneous header field encountered | |
| | 1 - unrecognized Next Header type encountered | |
| | 2 - unrecognized IPv6 option encountered | |
| 128 | Echo Request | [RFC4443] |
| Code | 0 | |
| 129 | Echo Reply | [RFC4443] |
| Code | 0 | |
| 130 | Multicast Listener Query | [RFC2710] |
| Code | 0 | |

```
131     Multicast Listener Report               [RFC2710]
  Code           0

132     Multicast Listener Done                 [RFC2710]
  Code           0

133     Router Solicitation                     [RFC4861]
  Code           0

134     Router Advertisement                    [RFC4861]
  Code           0

135     Neighbor Solicitation                   [RFC4861]
  Code           0

136     Neighbor Advertisement                  [RFC4861]
  Code           0

137     Redirect Message                        [RFC4861]
  Code           0

138     Router Renumbering                      [Crawford]
  Code           0 - Router Renumbering Command
                 1 - Router Renumbering Result
               255 - Sequence Number Reset

139     ICMP Node Information Query             [RFC4620]
  Code           0 - The Data field contains an              [RFC4620]
                     IPv6 address which is the Subject
                     of this Query.
                 1 - The Data field contains a name          [RFC4620]
                     which is the Subject of this Query,
                     or is empty, as in the case of a NOOP.
                 2 - The Data field contains an              [RFC4620]
                     IPv4 address which is the Subject
```

```
                    of this Query.

140     ICMP Node Information Response          [RFC4620]
  Code          0 - A successful reply.  The Reply          [RFC4620]
                    Data field may or may not be empty.
                1 - The Responder refuses to supply         [RFC4620]
                    the answer.  The Reply Data field
                    will be empty.
                2 - The Qtype of the Query is unknown       [RFC4620]
                    to the Responder.  The Reply Data
                    field will be empty.

141     Inverse Neighbor Discovery              [RFC3122]
        Solicitation Message
  Code          0

142     Inverse Neighbor Discovery              [RFC3122]
        Advertisement Message
  Code          0
144     Home Agent Address Discovery            [RFC3775]
        Request Message
  Code          0

145     Home Agent Address Discovery            [RFC3775]
        Reply Message
  Code          0

146     Mobile Prefix Solicitation              [RFC3775]
  Code          0

147     Mobile Prefix Advertisement             [RFC3775]
  Code          0
```

# BSTTPREP messages

**BSI-W **CSI EXEC TELNET API REQUIRES REVIEW****
The TELNET interface is not fully supported so the generated code will need to be reviewed.

**BSI-W **KEYWORD xxxx IS IGNORED****
The keyword xxxx has been ignored, as it is not supported within the EZASOKET interface specification.

**BSI-E *KEYWORD LOCAL IS RESTRICTED****
The keyword "LOCAL" is not supported within the EZASOKET interface specification.

**BSI-E *KEYWORD xxxx IS UNKNOWN****
The keyword xxxx is unknown to the BSTTPREP program. If the keyword is not a valid CSI keyword, correct the code. Otherwise, contact BSI support.

**BSI-E *NO PERIOD AFTER END-EXEC****
The original "EXEC TCP" code did not have a period after the "END-EXEC". As BSTTPREP inserts multiple "IF" statements, the original "END-EXEC" is treated as though a period was found. The generated code must be reviewed to determine if the logic flow has been modified.

**BSI-E *OPTION WAIT(NO) IS RESTRICTED****
The "WAIT(NO)" is not supported within the EZASOKET interface specifications in a manner similar to the CSI TCP/IP API.

**BSI-E *UNSUPORTED CSI TCP API IGNORED****
Only the "EXEC TCP" and "EXEC TELNET" CSI TCP/IP API calls are supported. The code will require manual conversion.

# EZASOKET Error Codes

| | |
|---|---|
| ERRNO_00001 | NODE or HOST cannot be found. |
| ERRNO_00003 | NODELEN, HOSTEN, SERVLEN or FREEADDRINFO storage address is invalid. |
| ERRNO_00004 | Output buffer for host name or service name is too small. |
| ERRNO_00005 | AF or FAMILY is incorrect. |
| ERRNO_00006 | Storage unavailable. |
| ERRNO_00007 | FLAGS has an incorrect or unsupported value. |
| ERRNO_00008 | SERVICE was not recognized. |
| ERRNO_00009 | SOCTYPE was not recognized. |
| ERRNO_00013 | The other application (listener) did not give the socket to your application. |
| ERRNO_00014 | Incorrect storage address or length was specified. |
| ERRNO_00031 | Invalid data passed to PTON function. |
| ERRNO_00034 | The result is too long |
| ERRNO_00035 | The socket is in nonblocking mode and read data is not available. This is not an error condition. |
| ERRNO_00036 | The socket is in nonblocking mode and the connection can not be completed immediately. This is not an error condition. |
| ERRNO_00037 | The socket is in nonblocking mode and the previous connection has not completed. |
| ERRNO_00045 | The socket is in nonblocking mode and the previous connection failed. |
| ERRNO_00047 | The AF parameter of a SOCKET call specifies a family that is not currently available or is not supported. |
| ERRNO_00056 | The socket is already connected. |
| ERRNO_00057 | The socket is not connected. |
| ERRNO_00114 | The socket is busy. (A write was issued before the previous write or select-for-write was completed. |
| ERRNO_00122 | The connection was reset. |
| ERRNO_01121 | The connection was reset. |
| ERRNO_10101 | A storage acquire failed. |
| ERRNO_10104 | Invalid function was requested. |
| ERRNO_10108 | The first call was not initapi, Gethostid, Gethostname, Getpeername, Getsockname, Getclientid, Takesocket, Getibmopt, Gethostbyname, or Gethostbyaddr. |
| ERRNO_10124 | A zero or negative IOVCNT was specified for a READV, RECVMSG, SENDMSG, or SENDV call. |
| ERRNO_10125 | The value for IOVCNT was greater than 120 for a READV, RECVMSG, SENDMSG, or SENDV call. |
| ERRNO_10142 | Errors were found in the parameter list for an ACCEPT call. |
| ERRNO_10143 | Errors were found in the parameter list for a BIND call. |
| ERRNO_10144 | Errors were found in the parameter list for a CLOSE call. |
| ERRNO_10145 | Errors were found in the parameter list for a CONNECT call. |
| ERRNO_10146 | Errors were found in the parameter list for an FCNTL call. |
| ERRNO_10147 | Errors were found in the parameter list for a GETCLIENTID call. |
| ERRNO_10148 | Errors were found in the parameter list for a GETHOSTID call. |
| ERRNO_10149 | Errors were found in the parameter list for a GETHOSTNAME call. |
| ERRNO_10150 | Errors were found in the parameter list for a GETPEERNAME call. |
| ERRNO_10151 | Errors were found in the parameter list for a GETSOCKNAME call. |
| ERRNO_10152 | Errors were found in the parameter list for a GETSOCKOPT call. |

| | |
|---|---|
| ERRNO_10153 | Errors were found in the parameter list for a GIVESOCKET call. |
| ERRNO_10154 | Errors were found in the parameter list for an IOCTL call. |
| ERRNO_10158 | The parameter list for a LISTEN call is incorrect. |
| ERRNO_10159 | A zero or negative data lent was specified for a READ or READV call. |
| ERRNO_10162 | The parameter list for a READ call is incorrect. |
| ERRNO_10163 | A zero or negative data lent was specified for a RECV, RECVFROM, or RECMSG call. |
| ERRNO_10166 | The parameter list for a RECV, RECVFROM, or RECVMSG call is incorrect. |
| ERRNO_10167 | The discriptor set size for a SELECT or SELECTEX call is less than or equal to zero. |
| ERRNO_10169 | The parameter list for a SELECT or SELECTEX call is incorrect. |
| ERRNO_10170 | A zero or negitive datga length was found for a SEND or SENDMSG call. |
| ERRNO_10173 | The parameter list for a SEND call is incorrect. |
| ERRNO_10174 | A zero or negative data length was found for a SENDTO call. |
| ERRNO_10177 | The parameter list for a SENDTO call is incorrect. |
| ERRNO_10178 | The SETSOCKOPT option length is less than the minimum length. |
| ERRNO_10179 | The SETSOCKOPT option length is greater than the maximum length. |
| ERRNO_10180 | The parameter list for a SETSOCKOPT call is incorrect. |
| ERRNO_10181 | The parameter list for a SHUTDOWN call is incorrect. |
| ERRNO_10182 | The parameter list for a SOCKET call is incorrect. |
| ERRNO_10183 | The parameter list for a TAKESOCKET call is incorrect. |
| ERRNO_10186 | A negative data length was sspecified for a WRITE or WRITEV call. |
| ERRNO_10188 | Errors were found in the parameter list for a WRITE call. |
| ERRNO_10190 | The GETHOSTNAME option length is less than 24 or greater than the maximum length. |
| ERRNO_10193 | The GETSOCKOPT option length is less than the minimum or greater than the maximum length. |
| ERRNO_10197 | The application issued an INITAPI call after the connection was already established. |
| ERRNO_10198 | The maximum number of sockets spcified for an INITAPI exceeds 2000. |
| ERRNO_10203 | The requested socket number is a negitive value. |
| ERRNO_10205 | The requested socket number is a duplicate. |
| ERRNO_10208 | The NAMELEN parameter for a GETHOSTBYNAME call was not specified. |
| ERRNO_10209 | The NAME parameter on a GETHOSTBYNAME call was not specified. |
| ERRNO_10210 | The HOSTENT parameter on a GETHOSTBYNAME or GETHOSTBYADDR call was not specified. |
| ERRNO_10211 | The HOSTADDR parameter on a GETHOSTBYNAME or GETHOSTBYADDR call is incorrect. |
| ERRNO_10214 | GETHOSTBYNAME could not resolve the requested name. |
| ERRNO_10215 | The APITYPE parameter on an INITAPI call instruction was not 2. |
| ERRNO_10218 | The application programming interface API) cannot locate the specified TCP/IP. |
| ERRNO_10219 | The NS parameter is greater than the maximum socket for this connection. |
| ERRNO_10220 | Trying to close socket that has not been allocated. |
| ERRNO_10221 | The AF parameter of a SOCKET call was not AF_INET. |
| ERRNO_10222 | The SOCTYPE parameter of a SOCKET call must be stream or datagram (1 or 2). |
| ERRNO_10223 | No ASYNC parameter specified for INITAPI for APITYPE=3. |
| ERRNO_10226 | Invalid COMMAND parameter specified for a GETIBMOPT call. |
| ERRNO_10228 | The CANCEL call was issued on an non-asynchronus connection. |
| ERRNO_10229 | A call was issued on an APITYPE=2 connection without an ECB parameter. |
| ERRNO_10330 | A SELECT or SELECTEX call was issued without a MAXSOC value oand a TIMEOUT parameter. |
| ERRNO_10332 | A SELECT or SELECTEX call wass invoked wit a MAXSOC value greater than that which was specified on the INITAPI. |

| | |
|---|---|
| ERRNO_10333 | Error in asynchronous exit routine |
| ERRNO_20000 | Invalid function was requested. |
| ERRNO_20001 | Invalid FUNCTION used with EZASOKET call. |
| ERRNO_20100 | Error loading phase EZASOH00 |
| ERRNO_20101 | Error loading phase BSTTIPS3. |
| ERRNO_20106 | Error loading phase BSTTIPS1. |
| ERRNO_20110 | Error loading phase BSTTGHNL |
| ERRNO_30301 | EZHP storage exhausted. |
| ERRNO_30302 | Incorrect call to BSTTIPS3. |
| ERRNO_30303 | Protocol does not match protocol specified on SOCKET call. |
| ERRNO_30304 | No free sockets. |
| ERRNO_30305 | The parameter list for a CANCEL call is incorrect. |
| ERRNO_30306 | ACCEPT issued against an un-opened socket. |
| ERRNO_30307 | An attempt was made to close a socket while it was waiting for a TAKESOCKET. |
| ERRNO_30308 | Storage release failed. |
| ERRNO_30309 | Call specified an ECB, but INITAPI did not specify ASYNC=ECB. |
| ERRNO_30310 | Error loading phase BSTTIPAM. |
| ERRNO_30311 | Requested socket has not been allocated. |
| ERRNO_30312 | Synchronous close failed. |
| ERRNO_30313 | Error loading phase BSTTSTMR. |
| ERRNO_30314 | BSTTSTMR processing error. |
| ERRNO 30315 | Invalid value for ASYNC. |
| ERRNO 30316 | EZTSK Out of Task Storage (Batch). |
| ERRNO 30317 | EZTSK Out of Task Storage (CICS). |
| ERRNO 30318 | Not Auth for EXEC CICS INQ TASK (Heap STG Recovery) (MAXSOC). |
| ERRNO_30319 | No storage available for local GIVE/TAKE. |
| ERRNO_30320 | Errors were found in the parameter list for an NTOP call. |
| ERRNO_30321 | Errors were found in the parameter list for a PTON call. |
| ERRNO_30322 | Errors were found in the parameter list for a GETADDRINFO call. |
| ERRNO_30323 | Errors were found in the parameter list for a GETNAMEINFO call. |
| ERRNO_30324 | Errors were found in the parameter list for a GETNAMEINFO call. |
| ERRNO_30325 | Errors were found in the parameter list for a FREEADRINFO call. |
| ERRNO_30326 | SELECT specifying ECB with no TIMEOUT value (not supported) |
| ERRNO_30350 | IPAM return R15 + 30350 (max 30378) |
| ERRNO_40000 | Invalid stack ID and LIBDEF combination: IPv6/VSE LIBDEF with CSI stack ID. |
| ERRNO_40003 | Invalid stack ID and LIBDEF combination: IPv6/VSE LIBDEF with IBM LFP stack ID. |
| ERRNO_40009 | Invalid stack ID and LIBDEF combination: IPv6/VSE LIBDEF with unknown vendor stack ID. |
| -1 | Socket not connected |
| -4 | Send request timeout (re-transmit limit exceeded) |
| -5 | Socket connection reset or BSTTINET terminated |
| -6 | Request cancelled |

### Additional Error Codes

```
EAGAIN          112
EBADF           113
EBUSY           114
EFAULT          118
EINTR           120
EINVAL          121
EIO             122
ENOSYS          134
EPERM           139
EPIPE           140
EMVSINITIAL     156
EWOULDBLOCK    1102
EALREADY       1104
ENOTSOCK       1105
EOPNOTSUPP     1112
ENETDOWN       1117
ECONNRESET     1121
ENOBUFS        1122
ENOTCONN       1124
ECANCELLED     1152
```

**Chapter 3**

# Error Messages

It is almost impossible to document all the messages output from a product with the size a scope of TCP/IP-TOOLS. In addition, most of the error message's action description would simply indicate to contact Barnard Software, Inc. technical support. Therefore, if you do not find the error message you are looking for in this chapter please contact BSI technical support for assistance.

**BSTT000I**

```
BSTT000I INITIATED AAAAAAAA BBBBBBBB CCCCCCCC DDDDDDDD EP=XXXXXXXX
```

**Meaning:** This message is issued when a subtask is initiated. The contents of the message indicate the name of the subtask, version, assembly date, assembly time and entry point (EP=).

**Action:** None.

**BSTT001I**

```
BSTT001I TERMINATED AAAAAAAA
```

**Meaning:** This message is issued when a subtask is terminated. The message contains the name of the subtask.

**Action:** None.

**BSTT002I**

```
BSTT002I TCP/IP-TOOLS VERSION V.RM
```

**Meaning:** This message is issued during TCP/IP-TOOLS initialization and indicates the version of TCP/IP-TOOLS running.

**Action:** None.

**BSTT003I**

```
BSTT003I COPYRIGHT (c) 1998-1999 BARNARD SOFTWARE, INC.
```

**Meaning:** This message is issued during TCP/IP-TOOLS initialization and is the copyright notice.

**Action:** None.

**BSTT004I**

```
BSTT004I CB=xxxxxxxx A=xxxxxxxx L=xxxxxxxx
```

**Meaning:** This message is an internal diagnostic message indicating the name, address and length of an TCP/IP-TOOLS internal control block.

**Action:** None.

**BSTT005I**

```
BSTT005E xxxxxxxx ABEND CODE=xxxxxxxx
```

**Meaning:** This message is issued when an TCP/IP-TOOLS subtask abends. The name of the subtask and the abend code are shown.

**Action:** Contact Barnard Software, Inc. Technical Support. See page Error: Reference source not found.

**BSTT006I**

```
BSTT006E PSW xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
```

**Meaning:** This message is issued when an TCP/IP-TOOLS subtask abends. The PSW (both old and new format) are shown.

**Action:** Contact Barnard Software, Inc. Technical Support. See page Error: Reference source not found.

**BSTT007I**

```
BSTT007E REG xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
```

**Meaning:** This message is issued when an TCP/IP-TOOLS subtask abends. This message is issued four times to show all 16 general registers (0-3, 4-7, 8-11, 12-15).

**Action:** Contact Barnard Software, Inc. Technical Support. See page Error: Reference source not found.

**BSTT008I**

```
BSTT008I BSTTMAIN MUST EXECUTE AS A MAIN TASK
```

**Meaning:** This message is issued if TCP/IP-TOOLS is started as a subtask of another program.

**Action:** Execute the TCP/IP-TOOLS program BSTTMAIN as a main task and not as a subtask of another program.

**BSTT009E**

```
BSTT009E REQUIRES VSE/ESA 1.4 RUNNING IN ESA MODE
```

**Meaning:** This message indicates the TCP/IP-TOOLS was initiated on a VSE system running at a

level prior to VSE/ESA 1.3.

**Action:** None.

**BSTT010I**

```
BSTT010I ... text ...
```

**Meaning:** This message echoes a command entered from the console interface back to the console.

**Action:** None.

**BSTT011I**

```
BSTT011I COMMAND PROCESSING COMPLETE
```

**Meaning:** This message indicates that the command being processed has completed.

**Action:** None.

**BSTT012E**

```
BSTT012E INVALID COMMAND
```

**Meaning:** This message indicates the command being processed is invalid.

**Action:** Check the command format and syntax in “TCP/IP-TOOLS Commands” and retry the command.

**BSTT013E**

```
BSTT013E xxxxxxxx ERROR R15=xxxxxxxx R0=xxxxxxxx R1=xxxxxxxx
```

**Meaning:** This message indicates an error occurred. The name of the error and the contents of R15, R0 and R1 are shown.

Open Errors

4 - Unable to establish a connection to the remote host

8 – Unable to connect to specified stack or stack has terminated

Read Errors

4 – Remote host has closed the connection

8 – Remote host has reset the connection

Send Errors

4 – Remote host has closed the connection

8 – Remote host has reset the connection

**Action:** Contact Barnard Software, Inc. Technical Support.

**BSTT014I**

```
BSTT014I xxxxxxxx LOADED A=xxxxxxxx L=xxxxxxxx
```

**Meaning:** This message is issued when a phase is loaded. The name of the phase and its address and length are shown.

**Action:** None.

**BSTT015I**

```
BSTT015I CONNECTING TO nnn.nnn.nnn.nnn PORT yyy
```

**Meaning:** This message shows a current connection IP address and PORT.

**Action:** None.

**BSTT016I**

```
BSTT016I FORMATTED DUMP INITIATED
```

**Meaning:** This message indicates a formatted dump of the TCP/IP-TOOLS partition has started.

**Action:** Contact Barnard Software, Inc. Technical Support. See page Error: Reference source not found.

**BSTT017I**

```
BSTT017I FORMATTED DUMP TERMINATED
```

**Meaning:** This message indicates a formatted dump of the TCP/IP-TOOLS partition has completed.

**Action:** Contact Barnard Software, Inc. Technical Support. See page Error: Reference source not found.

**BSTT018I**

```
BSTT018I PORT nnn OPENED RC=xxxx
BSTT018I PORT nnn CLOSED RC=xxxx
```

**Meaning:** This message indicates a PORT has been OPENED or CLOSED and the return code.

This message ...
BSTT018I PORT 0 SEND RC= 8
will generally occur during OPEN command processing and indicates the DNS lookup of the name used in the OPEN command could not be resolved.

**Action:** None.

**BSTT019I**

```
BSTT019I VSE v.rm MODE 24-BIT | 31-BIT
```

**Meaning:** This message indicates the version of VSE running and the addressing mode available.

**Action:** None.

**BSTT020I**

```
BSTT020I CPU NATIVE  ID=nnnnnn MODEL=xxxx PART=yy
BSTT020I CPU VIRTUAL ID=nnnnnn MODEL=xxxx PART=yy
```

**Meaning:** This message displays the execution mode of TCP/IP-TOOLS including the CPU serial number, model and partition id.

**Action:** None.

**BSTT021I**

```
BSTT022I xxxxxxxx CONNECTION CLOSED RC=nnnn
```

**Meaning:** This message indicates the specified connection was closed. The return code is also shown.

**Action:** None.

**BSTT022I**

```
BSTT022I dlbl OPENED INPUT  RC=nn
BSTT022I dlbl OPENED OUTPUT RC=nn
BSTT022I dlbl CLOSED INPUT  RC=nn
BSTT022I dlbl CLOSED OUTPUT RC=nn
```

**Meaning:** This message indicates the file shown was OPENED or CLOSED for INPUT or OUTPUT. The return code of the open or close is also shown.

**Action:** None.

**BSTT023I**

```
BSTT023I nnn BYTES IN mmm SECS. RATE xxx/SEC yyyyyy RECS
```

**Meaning:** This message shows the number of bytes transferred, the transfer rate and the number of records transferred.

**Action:** None.

**BSTT024E**

```
BSTT024E LICENSE PARAMETER(S) INVALID
```

**Meaning:** This message indicates that one or more of the parameters on the LICENSE command are invalid.

**Action:** Review the parameters supplied by Barnard Software, Inc. to ensure they appear exactly as provided. If the parameters appear to be correct, contact Barnard Software, Inc. Technical Support. See page Error: Reference source not found.

**BSTT025W**

```
BSTT025W LICENSE WILL EXPIRE IN n DAYS
```

**Meaning:** This message displays the number of days remaining until the TCP/IP-TOOLS license will expire. This message will begin to appear during TCP/IP-TOOLS startup 45 days before expiration.

**Action:** Contact Barnard Software, Inc. for a new verification code. See page Error: Reference source not found.

**BSTT026E**

```
BSTT026E LICENSE HAS EXPIRED
```

**Meaning:** This message indicates that the TCP/IP-TOOLS license has expired.

**Action:** Contact Barnard Software, Inc. for a new verification code.

**BSTT027I**

```
BSTT027I LICENSED TO your.company.name
```

**Meaning:** This message indicates that TCP/IP-TOOLS is licensed to the company shown.

**Action:** None.

**BSTT028I**

```
BSTT028I TCP/IP-TOOLS ENABLED
```

**Meaning:** This message indicates that TCP/IP-TOOLS is enabled.

**Action:** None.

**BSTT029I**

```
BSTT029I TCP/IP-TOOLS DISABLED
```

**Meaning:** This message indicates that TCP/IP-TOOLS is disabled

**Action:** None.

**BSTT030E**

```
BSTT030E TCP/IP-TOOLS ALREADY ACTIVE, RC=xx
```

**Meaning:** This message indicates that TCP/IP-TOOLS is already active on the system.

**Action:** Verify that TCP/IP-TOOLS is already active. If TCP/IP-TOOLS is not active and the problem persists, contact Barnard Software, Inc.

**BSTT031I**

```
BSTT031I INITIALIZATION COMPLETE
```

**Meaning:** This message indicates that TCP/IP-TOOLS initialization has completed.

**Action:** None.

**BSTT032I**

```
BSTT032I ENTER TCP/IP-TOOLS COMMAND
```

**Meaning:** This message is displayed in response to a MSG XX VSE AR command.

**Action:** Enter an TCP/IP-TOOLS command and press enter.

**BSTT033I**

```
BSTT033I text
```

**Meaning:** This message is used to echo text to SYSLOG and SYSLST.

**Action:** None.

**BSTT034I**

```
BSTT034I option SET TO value
```

**Meaning:** This message indicates the option specified has been set to the value shown.

**Action:** None.

**BSTT035E**

```
BSTT035E FEATURE CODE x REQUIRED
```

**Meaning:** This message indicates that the verification code current in use does not contain the

required feature code. Contact Barnard Software, Inc. to correct this problem.

**Action:** None.

**BSTT036I**

```
BSTT036I UNIT CHECK CMD=xx SENSE=yyyyyyyy
```

**Meaning:** This message indicates a unit check occurred on the device assigned to SYS000. Contact Barnard Software, Inc.

**Action:** None.

**BSTT037W**

```
BSTT037W INTERVENTION REQUIRED
```

**Meaning:** This message indicates the device assigned to SYS000 needs intervention. Contact Barnard Software, Inc.

**Action:** None.

**BSTT038I**

```
BSTT038I FILES aaa BLOCKS bbb BYTES ccc COMPR ddd ee%
```

**Meaning:** This message displays statistics for the input or output compressed tape file.

**Action:** None.

**BSTT039I**

```
BSTT039I LIBRM ERROR CMD=aaa RSC=bbb RC=xx RS=yy
```

**Meaning:** This message indicates that TCP/IP-TOOLS received an error accessing a VSE/ESA library. The command, resource, return code and reason code are shown.

**Action:** Check the LIBRM doc in the VSE/ESA Macro Reference or Contact Barnard Software, Inc.

**BSTT040E**

```
BSTT040E VSAM ERROR REQ=aa FDBK=bbbbbb LRBA=cccccccc
```

**Meaning:** This message indicates that TCP/IP-TOOLS received a VSAM error. The request code, VSAM feedback codes and Last RBA are shown.

**Action:** Contact Barnard Software, Inc.

### BSTT041E

```
BSTT041E aaaaaaaa XPCC ERROR FC=bb RC=cc PXU=dd PXP=ee
```

**Meaning:** This message indicates that TCP/IP-TOOLS received an XPCC error. The function code, return code, VSE/POWER PXU field and VSE/POWER PXP fields are shown.

The Power PXP errors are earlier in this manual. PXP=0401 indicates member not found.

POWER requires 4 parameter to access a member. Member name, number, class and userid. If a userid was not used when the job was submitted then this parameter may be omitted. The key is to use the TO= value in the D LST command output or if the the TO= is not shown, use the FROM= value. If both TO= and FROM= are not shown then the parameter may be omitted. Also, if the member number is specified as zero (0) then the first member with the correct name and class is selected.

**Action: If you can not determine the cause of the error from the PXP= field shown in the message**. Contact BSI for support.

### BSTT042I

```
BSTT041I ATTACH OF name COMPLETED
BSTT042I DETACH of name COMPLETED
```

**Meaning:** This message indicates that the ATTACH or DETACH of the specified subtask has been completed.

**Action:** None.

### BSTT043I

```
BSTT043I
```

**Meaning:**

**Action:** None.

### BSTT044I

```
BSTT044I
```

**Meaning:**

**Action:** None.

### BSTT045I

```
BSTT045I TCP/IP ID SET TO nn
```

**Meaning:** The TCP/IP ID has been set to nn.

**Action:** None.

**BSTT046I**

```
BSTT046I option SET TO value
```

**Meaning:** The option shown has been set to the value shown.

**Action:** None.

**BSTT047I**

```
BSTT047I nnnnnn RECORDS PROCESSED
```

**Meaning:** This message shows the number of records processed.

**Action:** None.

**BSTT048I**

```
BSTT048I TCP  I/O WAIT TIME aaa seconds. Rate bbb BYTES/SECOND
BSTT048I FILE I/O WAIT TIME aaa seconds. Rate bbb BYTES/SECOND
```

**Meaning:** This message displays statistics about a data transfer.

**Action:** None.

**BSTT049E**

```
BSTT049E CPUID PARAMETER(S) SPECIFIED ARE INVALID
```

**Meaning:** This message indicates that one or more the parameters specified on the CPUID card are invalid.

**Action:** Contact BSI.

**BSTT050I**

```
BSTT050I
```

**Meaning:** This message is currently not used.

**Action:** None.

**BSTT051I**

```
BSTT051I CONNECTED TO nnn.nnn.nnn.nnn PORT yyy
```

**Meaning:** This message indicates a connection has been made to the IP address and port number shown.

**Action:** None.

### BSTT052I

```
BSTT052I xxxxxxxx LOCATED A=aaaaaaaa
```

**Meaning:** This message indicates that the phase shown was located at the address shown.

**Action:** None.

### BSTT053I

```
BSTT053I USER xxxxxxxx LOGON RC=aaaaaaaa
```

**Meaning:** This message indicates that the user shown has logged on. The logon return code is also shown.

`BSTT053I USER DEFAULT LOGOFF RC=4 indicates that the FTP-IP IP address security has detected a security violation. Check the BSTTSCTY.T member defining your IP address security.`

**Action:** None.

### BSTT054I

```
BSTT054I PORT COMMAND IP=a.b.c.d PORT e
```

**Meaning:** This message indicates that the FTP server has received a PORT command. The IP address and PORT to be used are shown.

**Action:** None.

### BSTT055I

```
BSTT055I SMNT xxxxxxxx OPTION aaaaaaaaaaa
```

**Meaning:** This message indicates that the FTP server has received a SMNT command. The option used is also shown.

**Action:** None.

### BSTT056I

```
BSTT056I aaaaaaaa ACTIVE TTAB=xxxxxxxx
```

**Meaning:** This message indicates that the application shown is active. The TTAB address is also

shown.

**Action:** None.

**BSTT059I**

```
BSTT059I applid OPENED BY pn jobname execname
BSTT059I applid CLOSED BY pn jobname execname
```

**Meaning:** This message indicates that the application shown has been opened or closed.

**Action:** None.

**BSTT060I**

```
BSTT060I xxxxxxxx SET TO nnnnn
```

**Meaning:** This message indicates that the option shown has been set to the value shown.

**Action:** None.

**BSTT061I**
**BSTT062I**

```
BSTT061I luname CONN: PORT nnnnn IP aaa.bbb.ccc.ddd
BSTT062I luname DISC: PORT nnnnn IP aaa.bbb.ccc.ddd
```

**Meaning:** This message indicates that the luname shown has connected/disconnected to/from the port and IP address shown.

**Action:** None

**BSTT063E**

```
BSTT063E luname type ERROR R15=xxxxxxxx R0=xxxxxxxx R1=xxxxxxxx
```

**Meaning:** This message indicates an error occurred on the specified luname. The error was of the type specified. The contents of R15, R0 and R1 are shown.

In general, R15=0 is good completion. R15=4 is a lost connection. R15=8 is an unknown error. R15=10 is a system getvis error.

**Action:** None.

**BSTT064I**

```
BSTT064I luname type ERROR R15=xxxxxxxx R0=xxxxxxxx R1=xxxxxxxx
```

**Meaning:** This message indicates an error occurred on the specified luname. The error was of the type

specified. The contents of R15, R0 and R1 are shown.

In general, R15=0 is good completion. R15=4 is a lost connection. R15=8 is an unknown error. R15=10 is a system getvis error.

**Action:** None.

**BSTT065I**

```
BSTT065I tttttttt CB=aaaaaaaa A=bbbbbbbb L=cccccccc
```

**Meaning:** This message shows the address and length of a control block for the session identified by ttttttt..

**Action:** None.

**BSTT066I**

```
BSTT066I TERM aaaaaaaa PORT nnnnn IP a.b.c.d APPL bbbbbbbb
```

**Meaning:** This message shows the terminal session id, port number, IP address and the connected application id.

**Action:** None.

**BSTT070I**

```
BSTT070I dsn|cat.name
```

**Meaning:** This message shows a dataset or catalog name

**Action:** None.

**BSTT072I**

```
BSTT072I ...
```

**Meaning:** This message appears in the BSTTFTPS FTP server SYSLST log output. It is diagnostic information useful to BSI for debugging VSAM catalog access.

**Action:** None.

**BSTT073I**

```
BSTT073I tttttttt DEVICE aaaaaaaa bbbbbbbb cccccccc
```

**Meaning:** This message shows the device type and other information about a TN3270(E) connection.

**Action:** None.

**BSTT074E**

```
BSTT074E tttttttt R15=aaaaaaaa R0=bbbbbbbb RS=cccccc dddddddd
```

**Meaning:** This message indicates a VTAM error occurred. R15 is the VTAM return code, R0 is sometimes used as a reason code. The RS= field shows the VTAM RPLFDBK bytes and the dddddddd value is the sense bytes (2 bytes) and reason bytes (2 bytes). VTAM RPLFDBK codes can be found in the VTAM Programmers Guide Appendix B Return Code (RTNCD-FDB2) Combinations.

**Action:** None.

**BSTT075E**

```
BSTT075E tttttttt LUNAME NOT AVAILABLE
```

**Meaning:** This message indicates the LUNAME tttttttt is already in use or not defined. If the LUNAME value is the letter T followed by a 7 digit number (E.g., T0000234) the connection is attempting to use a GENERIC session and no GENERIC sessions are available.

**Action:** None.

**BSTT076I**

```
BSTT076I COMPLETED USER=mmmmmmmm ACTION=aaaaaaaaaaaaaaaaaaaaaaa
```

**Meaning:** This message shows the BSTTFTPS FTP server has completed a request for the specified user for the specified action.

**Action:** None.

**BSTT077E**

```
BSTT077E INVALID DATA RECEIVED
```

**Meaning:** This message indicates the BSTTVNET TN3270E server received invalid data while attempting to negotiate a TN3270E session.

**Action:** None.

**BSTT079I**

```
BSTT079I GZIP INPUT nnnnn OUTPUT nnnnn RATIO nnnnn% CRC-32 aaaaaaaa
```

**Meaning:** This message indicates the GZIP input size, output size, compression ration and CRC-32 checksum value.

**Action:** None.

**BSTT080I**

```
BSTT080I nnnnn CODE POINTS PROCESSES
```

**Meaning:** This message shows the number of code points processed for a DBCS table load.

**Action:** None.

**BSTT081I**

```
BSTT081I aaaaaaaa bbbbbbbb R15=nnnnnnnn RS=mmmmmmmm
```

**Meaning:** This message indicates an event occurred for resource aaaaaaaa type bbbbbbbb. The R15 values and the RS (Reason) are also shown.

**Action:** None.

**BSTT082E**

```
BSTT082E COMPLETION STRING NOT FOUND RC=8
```

**Meaning:** This message indicates the CODE value specified in the BSTTREXC commands was not found in the returned stdout/stderr output. The VSE Return Code is set to 8.

**Action:** None.

**BSTT085E**

```
BSTT085E aaaaaaaa bbbbbbbb RC=aaaaaaaa RS=bbbbbbbb TK=cccccccc
```

**Meaning:** This message indicates an error occurred.

**Action:** Contact Barnard Software, Inc.

**BSTT087W**

```
BSTT087W nnnnn CONNECTIONS CLOSED
```

**Meaning:** This message is a warning and normally not an error condition. The message is issued by the BSTTINET or BSTT6NET stack partition when the stack terminates indicating the number of connections terminated before stack EOJ.

**Action:** None.

**BSTT088W**

```
BSTT088W nnnnn CONNECTIONS ABORTED FOR PARTITION xx
```

**Meaning:** This message is a warning and normally not an error condition. The message is issued by the BSTTINET or BSTT6NET stack partition when the stack detect a partition went to EOJ with socket connections still active.

**Action:** None.

**BSTT092W**

```
BSTT092W NO RESPONSE FROM PING REQUEST
```

**Meaning:** This message indicates no response was received from a ICMP (or ICMPv6) PING request.

**Action:** None.

**BSTT093I**

```
BSTT093I REPLY FROM a.b.c.d TIME nnnnn
```

**Meaning:** This message shows the PING request response time.

**Action:** None.

**BSTT094E**

```
BSTT094E dddddddd I/O ERROR IPBH=aaaaaaaa CUU=xxxx COM=xxxx STA=xxxx
```

**Meaning:** This message indicates an I/O error occurred. The device, IPBH address, CUU address and CCB COM and STA field are shown for debugging usage. Usually this message is seen with CTCA devices that have become uncoupled.

**Action:** None

**BSTT095E**

```
BSTT095E CSIINIT INIT|TERM ERROR R15=xxxxxxxx
```

**Meaning:** This message indicates an error occurred initializing the ASM SOCKET API interface.

**Action:** Contact BSI.

**BSTT096E**

```
BSTT096E ASSIGN ERROR CUU=xxxx R15=xxxxxxxx
```

**Meaning:** This message indicates an error occurred attempting to create a logical unit assignment to the cuu address shown. Usually this indicates the device is not defined to VSE or is already in use.

**Action:** Contact BSI.

**BSTT097E**

```
BSTT097E xxxxxxxx IUCV ERROR R15=xxxxxxxx R0=xxxxxxxx
```

**Meaning:** This message indicates an error occurred in the IUCV device interface.

**Action:** Contact BSI.

**BSTT098E**

```
BSTT098E tttttttt uuuuuuuuuuuuuuuu
```

**Meaning:** This message indicates an error occurred in the IUCV device driver. The type of error and user information are shown.

**Action:** Contact BSI.

**BSTT600I**

```
BSTT600I nnnnn INITIATED AAAAAAAA BBBBBBBB CCCCCCCC DDDDDDDD
```

**Meaning:** This message is issued when a stack thread is initiated. The contents of the message indicate the name of the subtask, version, assembly date, assembly time and entry point (EP=).

**Action:** None.

**BSTT601I**

```
BSTT601I nnnnn TERMINATED AAAAAAAA
```

**Meaning:** This message is issued when a stack thread is terminated. The message contains the name of the subtask.

**Action:** None.

**BSTT602E**

```
BSTT602E nnnnn PANIC xxxxxxxx ADDRESS=aaaaaaaa OFFSET=bbbbbbbb
```

**Meaning:** This message indicates a stack panic condition has occurred.

**Action:** Contact BSI.

**BSTT603E**

```
BSTT603E nnnnn REG xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
```

**Meaning:** This message is associated with ths BSTT602E message. Registers are the time of the panic condition are shown.

**Action:** Contact BSI.

**BSTT604E**

```
BSTT604E nnnnn TRACE xxxxxxxx ADDRESS=aaaaaaaa OFFSET=bbbbbbbb
```

**Meaning:** This message is associated with the BSTT602E message. This messages show an execution back trace leading to the panic condition.

**Action:** Contact BSI.

**BSTT605I**

```
BSTT605I nnnnn DEVICE nn tttttttt TYPE yyyyyyyy UNIT uuuu
```

**Meaning:** This message is displayed during the TCP/IP stack startup. The message shows the device number, device name, TYPE and UNIT address of the network interface.

**Action:** None.

**BSTT606I**

```
BSTT606I aaaaaaaaaaaaaaaa bbbbbbbbbbbbbbbb ccccccccccbbbbbb xx yy
```

**Meaning:** This message in the output of an IP ROUTE PRINT command. The subnet, subnet mask, gateway, interface number and route metric are shown.

**Action:** None.

**BSTT607I**

```
BSTT607I NETWORK         MASK            GATEWAY         IFN MTR
```

**Meaning:** This message is the heading of the IP ROUTE PRINT output.

**Action:** None.

**BSTT608I**

```
BSTT608I DEVICE 01 NAME LCS600   MAC 26A8C9623172 MTU   1500
```

**Meaning:** This message is part of the IP NETINFO output.

**Action:** None.

**BSTT609I**

```
BSTT609I IP 192.168.1.226    NA 192.168.1.0      SA 192.168.1.0
```

**Meaning:** This message is part of the IP NETINFO output.

**Action:** None.

**BSTT610I**

```
BSTT610I MS 255.255.255.0    BR 192.168.1.255    NB 192.168.1.255
```

**Meaning:** This message is part of the IP NETINFO output.

**Action:** None.

**BSTT611I**

```
BSTT611I DNS SERVER 192.168.1.100
```

**Meaning:** This message is part of the IP NETINFO output.

**Action:** None.

**BSTT612I**

```
BSTT612I DNS RESPONSE 206.130.104.55
```

**Meaning:** This message is the response output from a IP NAME2IP command.

**Action:** None.

**BSTT616I**

```
BSTT616I PINGING aaa.bbb.cc.ddd
```

**Meaning:** This message indicates the IPv4 address used for a IP PING request.

**Action:** None.

**BSTT617E**

```
BSTT617E DEVICE INIT ERROR (STG OR PFIX)
```

**Meaning:** This message indicates an error occurred during device driver startup. Either there is not enough partition GETVIS to allocate driver storage or there is not enough page fixed storage available to PFIX the allocated storage. Check the virtual partition size and the // SETPFIX LIMIT for the job.

**Action:** Fix the storage allocations.

**BSTT618I**

```
BSTT618I TRACING ROUTE TO aaa.bbb.cc.ddd
```

**Meaning:** This message indicates the IPv4 address used for a IP TRACERT request.

**Action:** None.

**BSTT619I**

```
BSTT619I     1     3     3     2 192.168.1.12
```

**Meaning:** This message shows the hop number, 3 ping times and the IPv4 address of the hop.

**Action:** None.

**BSTT620I**

```
BSTT620I ROUTING IS STATIC
```

**Meaning:** This message shows ROUTING in the TCP/IP stack is STATIC.

**Action:** None.

**BSTT621I**

```
BSTT621I xxxxxxxx ACB OPENED/CLOSED R15=nnnnnnnn RC=nnnnnnnn
```

**Meaning:** The message is issued by the BSTTUSST USSTAB emulation program to show the VTAM ACB OPEN or CLOSE status.

**Action:** None.

**BSTT621I**

```
BSTT621I xxxxxxxx ACB OPENED/CLOSED R15=nnnnnnnn RC=nnnnnnnn
```

**Meaning:** The message is issued by the BSTTUSST USSTAB emulation program to show the VTAM ACB OPEN or CLOSE status.

**Action:** None.

**BSTT622I**

```
BSTT622I T9999999 LOGOFF DBDCCICS CID=0A000003
```

**Meaning:** The message is issued by the BSTTUSST USSTAB emulation program to show the VTAM LOGON, LOGOFF status.

**Action:** None.

**BSTT623W**

```
BSTT623W T9999999 LOST|RELREQ DBDCCICS CID=0A000003 RS=aaaaaaaa
```

**Meaning:** The message is issued by the BSTTUSST USSTAB emulation program to show the VTAM Lost Terminal or Release Request status.

**Action:** None.

**BSTT624E**

```
BSTT624E TERMINATION REQUESTED RS=nn
```

**Meaning:** The message is issued by the BSTTUSST TPEND exit routine indicating VTAM has request termination of the application. The reason code is shown.

**Action:** None.

**BSTT625I**

```
BSTT625I SERVER-1   Active JCB      192.168.1.60     VSE/POWER
VSE/POWER
```

**Meaning:** The message is issued by the BSTTFTPS FTP server in response to a STATUS command. The status of each FTP server is shown.

**Action:** None.

**BSTT627I**

```
BSTT627I T9999999 TCP R=     2 W=     4 VTAM R=     4 W=     1
```

**Meaning:** The message is issued by the BSTTVNET TN3270E server when a session terminates. The numbers shown are the TCP and VTAM read and write counts

**Action:** None.

**BSTT628W**

```
BSTT628W QUERY PRODUCED NO RESULTS
```

**Meaning:** The message is issued by the BSTTVNET TN3270E server when a QUERY command produces no output.

**Action:** None.

**BSTT630W**

```
BSTT630W XPCTASK ABORT JOB=BSTTFTPS RS=     4 INFO=01300876
```

**Meaning:** The message is issued by the BSTTINET/BSTT6NET TCP/IP stack when an application's request can not be posted. The reason for the post failure is shown. This message is normally not a error.

**Action:** None.

**BSTT631I**

```
BSTT631I nnnnn CONNECTION POOL BUFFERS
```

**Meaning:** The message is issued by the BSTTINET/BSTT6NET TCP/IP stack to display the number of connection pool buffer available.

**Action:** None.

**BSTT632I**

```
BSTT632I WAITING FOR BSTTINET (TCP/IP) TO INITIALIZE
```

**Meaning:** The message is issued by the BSTTWAIT utility to indicate it is waiting for the TCP/IP stack partition to start.

**Action:** None.

**BSTT633I**

```
BSTT633I DOS SUBNET ... MASK ...
```

**Meaning:** The message is issued by the BSTTINET/BSTT6NET TCP/IP stack command processor in response to IP DOS PRINT command.

**Action:** None.

**BSTT634E**

```
BSTT634E LIBRM ERROR CMD=cccccccc member.type RC=xxxx RS=xxxx
```

**Meaning:** The message indicates a Librarian Access Method error occurred. The type of function, accessed member name, return code and reason code are shown. The feedback codes show in the message can be found in the z/VSE System Macro Reference, Appendix D Librarian Feedback Codes and in the z/VSE Messages and Codes manuals.

**Action:** None.

**BSTT637W**

```
BSTT637W IPTB Dynamically Allocated. Check Storage.
```

**Meaning:** The message is issued by the BSTTINET/BSTT6NET TCP/IP stack when a thread control block had to be dynamically allocated. All stack control block are pre-allocated based on the size of the partition. Allocating an IPTB block dynamically indicates the stack requires a larger partition. Check to formulas for determining the correct stack partition size in the manual and adjust the partition size.

**Action:** None.

**BSTT639I**

```
BSTT639I BUFFERS: THREAD   331 TRANSMIT   365 RECEIVE   366
```

**Meaning:** The message is issued by the BSTTINET/BSTT6NET TCP/IP stack command processor in response to IP NETINFO command. The message shows the free thread/transmit/receive buffer counts.

**Action:** None.

**BSTT641I**

```
BSTT641I luname INITIATED  DIRECT|LPR|FTP|FTPP
```

**Meaning:** The message indicates a print driver thread has been started.

**Action:** None.

**BSTT642I**

```
BSTT642I luname TERMINATED
```

**Meaning:** The message indicates a print driver thread has been terminated.

**Action:** None.

**BSTT643I**

```
BSTT643I luname ATTACHED applid CID=xxxxxxxx
```

**Meaning:** The message indicates a print driver thread has been connected to an application.

**Action:** None.

**BSTT644I**

```
BSTT644I luname ATTACHED applid CID=xxxxxxxx
```

**Meaning:** The message indicates a print driver thread had a LIBRM access error. The details of the error are shown.

**Action:** Contact technical support.

**BSTT645I**

```
BSTT645I luname ... . <command>
```

**Meaning:** The message is a command trace from the FTP or FTPP print driver.

**Action:** None.

**BSTT647E**

```
BSTT647E GETVIS ERROR 24-BIT PARTITION TO SMALL
```

**Meaning:** The message indicates the BSTTINET/BSTT6NET TCP/IP stack could not startup because the partition is too small. See the Installation Guide for the partition sizing formula.

**Action:** None.

**BSTT652I**

```
BSTT652I PORT nnnnn SUSPENDED
```

**Meaning:** The message is issued by the BSTTINET/BSTT6NET TCP/IP stack command processor in

response to IP PORT command.

**Action:** None.

**BSTT653I**

```
BSTT653I NO PORTS SUSPENDED
```

**Meaning:** The message is issued by the BSTTINET/BSTT6NET TCP/IP stack command processor in response to IP PORT command.

**Action:** None.

**BSTT654I**

```
BSTT654I PORT nnnnn SUSPENDED
```

**Meaning:** The message is issued by the BSTTINET/BSTT6NET TCP/IP stack command processor in response to IP PORT command.

**Action:** None.

**BSTT656I**

```
BSTT656I PINGING FROM a.b.c.d TO e.f.g.h
```

**Meaning:** The message is issued by the BSTTPING batch ping application.

**Action:** None.

**BSTT657I**

```
BSTT657I RESPONSE     1 TIME    95 MILLI-SECONDS
```

**Meaning:** The message is issued by the BSTTPING batch ping application.

**Action:** None.

**BSTT658W**

```
BSTT658W NO RESPONSE FROM PING
```

**Meaning:** The message is issued by the BSTTPING batch ping application.

**Action:** None.

**BSTT661I**

```
BSTT661I fileid  OPENED OUTPUT RC=00000000 RS=00000000
```

**Meaning:** The message is issued by the I/O utility routines. The DLBL name (fileid), return code and reason code are shown. For VSAM files, the return code and reason code lookup can be done on the z/VSE system console using the VSAMOPEN and F9 key. For POWER access errors the return code and reason code can be found in Chapter 1 of this manual.

RC=0000000C usually indicates a GETVIS error. Check the partition size.
RC=00000020 indicates an unknown I/O driver was requested.

SAM File Reason Codes

| | |
|---|---|
| 1 | BLKSZ literal is not the 4th parameter |
| 2 | RECSZ literal is not the 6th parameter |
| 3 | RECFM literal is not the 8th parameter |
| 4 | For RECFM=F, BLKSZ is not equal to RECSZ |
| 5 | For RECFM=FB, BLKSZ is equal to RECSZ |
| 6 | For RECFM=FB, BLKSZ is not a multiple of RECSZ |

**Action:** None.

**BSTT665W**

```
BSTT665W DETECTED OSA STOP  LAN ID=xxxxxxxx
```

**Meaning:** The message is issued by the devosa driver when a stop lan control packet is detected. The OSA interface is automatically restarted.

**Action:** None.

**BSTT666I**

```
BSTT666I DETECTED OSA START LAN ID=xxxxxxxx
```

**Meaning:** The message is issued by the devosa driver when a start lan control packet is detected.

**Action:** None.

**BSTT667I**

```
BSTT667I DLBL=xxxxxxx NAME=...
```

**Meaning:** The message is issued by the VSAM catalog processor in the FTP server during VSAM catalog processing. The message is for diagnostic purposes.

**Action:** None.

**BSTT668I**

```
BSTT668I BYTES H= 0000000003D09000 DH=           DL=       64000000
```

**Meaning:** The message is issued by the FTP server and shows the number of bytes transferred.

**Action:** None.

**BSTT669I**

```
BSTT669I TCP/IP-TOOLS BUILD 248PRE05
```

**Meaning:** The message is issued by the BSTTINET TCP/IP stack and shows the Build identifier.

**Action:** None.

**BSTT670E**

```
BSTT670E luname CID ERROR TTSNCID=xxxxxxxx RPLARG=xxxxxxxx
```

**Meaning:** The message is issued by the BSTTVNET TN3270E server when a VTAM CID mismatch is detected.

**Action:** Contact technical support.

**BSTT671I**

```
BSTT671I BSTTVNET VTAM|ITAM FEATURE IS AVAILABLE
```

**Meaning:** The message is issued by the BSTTVNET TN3270E during startup and display which features are available (VTAM, ITAM).

**Action:** None

**BSTT672I**

```
BSTT672I U=JCB      M=WTO MESSAGE DATA
```

**Meaning:** The message is issued by the BSTTFTPS FTP server when a SITE WTO command is sent to the FTP server.

**Action:** None

**BSTT673E**

```
BSTT673E APPL=aaaaaaaa TTXR=xxxxxxxx DISPATCH ERROR R15=xxxxxxxx
```

**Meaning:** The message is issued by the BSTTVNET TN3270E server when an error is encountered attempted to dispatch an ITAM RPL. LOGON or LOSTERM exit routine.

**Action:** Contact technical support

**BSTT674I**

```
BSTT674I name    SET TO value
```

**Meaning:** The message is used by various command to show the new value of a command.

**Action:** None

**BSTT676I**

```
BSTT676I SYSTEM LOGGING CLIENT INITIALIZED|TERMINATED
```

**Meaning:** The message indicates the BSTTSLOG client has completed initialization or has been terminated.

**Action:** None

**BSTT678W**

```
BSTT678W No data to send. Bypassing.
```

**Meaning:** The message is used the the BSTTLPRC LPR Client application to indicates the specified output is NULL (zero length) and the output processing is being bypassed.

**Action:** None

**BSTT679I**

```
BSTT679I USER DIRECTORY <initial user directory>
```

**Meaning:** The message is issued by the BSTTFTPS FTP Server to display the initial user directory specified in the BSTTSCTY.T security member for the user.

**Action:** None

**BSTT680E**

```
BSTT680E luname INVALID TERMINAL TYPE <type>
```

**Meaning:** The message indicates BSTTVNET received an invalid terminal type specification from a client using the luname shown.

**Action:** Change the TN3270(E) client to use a valid terminal type specification.

**BSTT682I**

```
BSTT682I DOS NA ............ NM ..............
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the DOS PRINT command. The Network Address (NA) and Network Mask (NM) are shown for the range of IP addresses being denied service.

**Action:** None

**BSTT685I**

```
R2 0046 BSTT010I IP ROUTE PRINT
R2 0502 BSTT685I NI MT NETWORK/MASK/GATEWAY
R2 0502 BSTT684I 02 01 :: :: 2001:4830:1600:1db::1
R2 0502 BSTT684I 00 00 ::1 /128 ::1
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the IP ROUTE PRINT command. The NI (Network Interface), MT (MeTric), Network, Mask and Gateway IPv6 addresses are shown.

**Action:** None

**BSTT686I**

```
BSTT686I IP  fd00:806:1::2 /48
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the IP NETINFO command. The IPv6 address and subnet mask of the network interface is shown.

**Action:** None

**BSTT687I**

```
BSTT687I DNS 2001:4de0:1000:a3::2 2001:1418:10:2::2
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the IP NETINFO command. The IPv6 addresses of the primary and secondary DNS servers are shown.

**Action:** None

**BSTT688I**

```
BSTT688I PINGING 2001:4830:1600:1db::1
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the IP PING command. The IPv6 address being pinged is shown.

**Action:** None

**BSTT689I**

```
BSTT689I REPLY TIME    52 FROM 2001:4830:1600:1db::1
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the IP PING command. The IPv6 address being pinged is shown. The PING response time (in milliseconds) is also shown.

**Action:** None

**BSTT690I**

```
BSTT690I DNS RESPONSE 2001:4860:a003::68
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the IP NAME2IP command. The resolved IPv6 address is shown.

**Action:** None

**BSTT691I**

```
BSTT691I TRACING ROUTE TO 2001:4830:1600:1db::1
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the IP TRACERT command. The IPv6 address being traced is shown.

**Action:** None

**BSTT692I**

```
BSTT692I     1    51    49    44 2001:4830:1600:1db::1
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the IP TRACERT command. The hop count, 3 ping times (ms) and the IPv6 address of the hop are shown.

**Action:** None

**BSTT693I**

```
BSTT693I LL  fe80::1:200:0:1f /128
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the IP NETINFO command. The LinkLocal (LL) IPv6 address and mask are shown.

**Action:** None

**BSTT694I**

```
BSTT694I TCP/IP ID SET TO 00   (BSI IPV4)
```

**Meaning:** The message is issued in response to the ID command in the SYSIPT command stream. The stack ID, BSI or CSI indicator and IPV4 or IPV6 flag are shown. IPV4 indicates the stack ID refers to an IPv4 stack. IPV6 indicates the stack ID refers to an IPv6 stack.

**Action:** None

**BSTT695I**

```
BSTT695I CONNECTING TO PORT    21 IP fd00:806:1::3
```

**Meaning:** The message is issued to display the port number and IPv4/IPv6 address of the connection.

**Action:** None

**BSTT696I**

```
BSTT696I CONNECTED  TO PORT 54595 IP 192.168.1.60
```

**Meaning:** The message is issued to display the port number and IPv4/IPv6 address of the connection.

**Action:** None

**BSTT697I**

```
BSTT697I PORT COMMAND PORT=nnnnn IP=.................
```

**Meaning:** The message is issued to display the port number and IPv4/IPv6 address used in an FTP PORT command.

**Action:** None

**BSTT698I**

```
BSTT698I T0000001 CONN: PORT 56997 IP 192.168.1.60
```

**Meaning:** The message is issued to display the port number and IPv4/IPv6 address used in an BSTTVNET TN3270(E) session.

**Action:** None

**BSTT699I**

```
BSTT699I T0000001 DISC: PORT 56997 IP 192.168.1.60
```

**Meaning:** The message is issued to display the port number and IPv4/IPv6 address used in an BSTTVNET TN3270(E) session.

**Action:** None

**BSTT700I**

```
BSTT700I IPv6/VSE BUILD 248PRE05
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack and shows the Build identifier.

**Action:** None.

**BSTT701I**

```
BSTT701I TCP/IP-TOOLS BUILD  248
BSTT701I IPv6/VSE     BUILD  248
```

**Meaning:** The message is issued by BSI applications and shows the Build identifier.

**Action:** None.

**BSTT702I**

```
BSTT702I STACK ID 66 COUPLED TO STACK ID 00
```

**Meaning:** The message is issued by the BSTT6NET TCP/IP stack in response to the COUPLE command. The stack ID's of the COUPLEd stacks are shown.

**Action:** None.

**BSTT703I**

```
BSTT703I RHOMEC USING PORT nnnnn ......................
```

**Meaning:** The message is issued in response to the HOME command. The port number and IPv4/IPv6 IP address are shown.

**Action:** None.

**BSTT704I**

```
BSTT704I <SYSIPT command text>
```

**Meaning:** The message is used to echo SYSIPT command text to SYSLST.

**Action:** None.

**BSTT705I**

```
BSTT705I IBM LICENSING ACTIVIATED
```

**Meaning:** The message is issued when IBM IPv6/VSE licensing is detected.

**Action:** None.

**BSTT706I**

```
BSTT706I IBM IPv6/VSE VERSION 01.01.00
```

**Meaning:** The message is issued when IBM IPv6/VSE licensing is detected. The IBM IPv6/VSE version identifier is shown.

**Action:** None.

**BSTT711W**

```
BSTT711W SPECIFIED PORT NUMBER INVALID (DEFAULT USED)
```

**Meaning:** The message is issued when an invalid port number is specified. Valid port numbers range between 1 and 65535. When an invalid port number is specified the default for the application is used instead.

**Action:** None.

**BSTT712I**

```
BSTT712I SECURITY SERVER ID SET TO NN
```

**Meaning:** This message indicates the ID of the security server.

**Action:** None.