

# Administration Manual - Volume 2

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NC-PASS Authenticator  
Version 2.0

MVS Operating Environment

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## Preface

### Purpose of this book

This book describes the administrative procedures for the startup and running of NC-PASS Authenticator.

The complete range of books associated with NC-PASS Authenticator is as follows:

- NC-PASS Authenticator Administration Manual - Volume 1
- NC-PASS Authenticator Administration Manual - Volume 2 (this manual)
- NC-PASS Authenticator User Guide
- NC-PASS Authenticator Installation Manual

For information on NCI language statements, refer to the NCI/XF VTAM Toolkit documentation.

### Who should read this book

This book is intended for use by security and administrative staff who are responsible for the protection of system resources.

### NC-PASS Authenticator installation requirements

Operating system	MVS ESA, MVS XA
Network Software	ACF/VTAM 3.3 and higher
TCP/IP communications (if using)	TCP/IP for MVS version 2.2.1 or above

### National characters

All references to national characters in this manual are in English (U.S.) format. The table below shows four commonly-used national characters with their English (U.K.), French and German equivalents:

Hex Value	English (U.S.)	English (U.K.)	French	German
X'4A'	¢	\$	°	Ä
X'5B'	\$	£	\$	\$
X'7B'	#	#	£	#
X'7C'	@	@	à	§

## Technical Newsletters included in NC-PASS Authenticator v2.0 books.

The information in the following Technical Newsletters (TNLs), issued since the previous issue of the NC-PASS v2.0 books, is now included in these books:

Technical Newsletter reference number	Title
PA20.TNL001	Restructured menus
PH203.TNL001	Support for the ActivCard token
PH203.TNL002	Support for the Digipass token
PH203.TNL003	Efficiency improvements
PH203.TNL004	RACF Passticket support
PH202.TNL003	The NC-PASS TCP/IP interface
PH202.TNL005	Encryption of transmissions over APPC and TCP/IP
PH202.TNL007	Batch message auditing
PH202.TNL009	The LOAD RESTORE CONTROL TABLES panel
PH202.TNL010	APPC LINK STATUS panel
PH202.TNL011	Additional messages
PH202.TNL012	Home Node Processing via the TLI
PH202.TNL013	Backward compatibility for NC-PASS
PH202.TNL014	Format of NC-PASS WTO messages

## Readers' comment forms

Forms for readers' comments are provided at the back of this manual.

Any information you return may be used or distributed by the authors in any manner considered appropriate without incurring any obligation whatsoever.

## Table of contents

Preface

Chapter 1 Communicating with other systems

Chapter 2 Transaction Level Interface (TLI)

Chapter 3 Administration file backup and recovery

Chapter 4 Customization

Chapter 5 Exit processing

Chapter 6 Messages and abend codes

Index

### Table of contents - Volume 1

Preface

Chapter 1 NC-PASS overview

Chapter 2 Defining system parameters

Chapter 3 Controlling user access

Chapter 4 Using risk profiles to control access

Chapter 5 Token administration

Chapter 6 Administering users from an external security database

Chapter 7 Restricting access by date and time

Chapter 8 The VTAM Session Security Exit (VSSE)

Chapter 9 Using VSSE to achieve access control objectives

Chapter 10 Auditing

Chapter 11 Printing and displaying reports

Chapter 12 Remote administration via MHO

Chapter 13 Batch administration

Appendix A VSSE field names and flags

Index

*This page intentionally left blank*

## Chapter 1 - Communicating with other systems

Communication systems.....	1.2
PassGo Technologies products running on other systems.....	1.3
Defining nodes.....	1.3
Defining MHO LU0 links.....	1.5
Jobs running in the same operating system .....	1.7
Defining XMS communications .....	1.7
XMS warning.....	1.10
Applications using the APPC interface .....	1.11
Defining APPC communications.....	1.11
Displaying the status of APPC links .....	1.13
Applications using the TCP/IP interface .....	1.15
The TCP/IP system jobname .....	1.15
Enabling and disabling the TCP/IP environment.....	1.16
Displaying Clients .....	1.18
Socket status .....	1.19

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## Communication systems

Four methods are used to enable NC-PASS to communicate with other systems.

- MHO LU0 The Multi Host Option (MHO) system uses the IBM protocol LU0 to communicate with other NC-PASS jobs (or other PassGo Technologies products such as NC-ACCESS), running on different MVS or VM systems connected by VTAM.
- XMS XMS (Cross Memory Services) allows communication between NC-PASS and other programs running under the same MVS system.
- APPC The APPC system uses the IBM protocol LU6.2 to allow communication between NC-PASS and different platforms such as PCs, thereby enabling such users to benefit from the features of NC-PASS. NC-PASS will not initiate an APPC session, but will respond to communication from other platforms.
- TCP/IP The TCP/IP system uses Transaction Level Interface (TLI) calls to allow communication between NC-PASS and different platforms such as PCs, thereby enabling such users to benefit from the features of NC-PASS. NC-PASS will not initiate a TCP/IP session, but will respond to communication from other platforms.



## Input fields

Field	Description
<b>MHO Communications (LU0)</b>	
Enable MHO	Enter Y (Yes) to enable the specified communication. Enter N (No) to stop the communication.
MHO Host nodename	Enter the name of the VTAM node used by the MHO system on this NC-PASS job for communication with other NC-PASS or PassGo Technologies jobs. <b>Note:</b> The MHO node and the NC-PASS node are separate entities and have different names.
MHO symbolic name	Enter a symbolic name, if required. For example, node U01HST4 could have symbolic name ENGLAND which is more easily remembered.
Check MHO system every	Enter the required number of minutes in this field to specify the frequency at which the system status will be checked. If an error is found, an automatic recovery to the required state will be attempted. Enter 0 to disable this facility.
Password	Enter the password for the MHO node (if a password has been defined to VTAM). If a password has been defined to VTAM and is not entered here, MHO communication will not be allowed.
Trace	Set to Y to produce a diagnostic report in the NCI log. The report is a log of the transmissions sent and received. Depending on the volume of traffic, MHO tracing can result in many records being written to the log. It is recommended that you use this option with care.

## Display fields

Field	Description
MHO status	displays the status of the system as one of the following:  *ACTIVE*    the system is available.  INACTIVE    the system is unavailable.  PENDING    the system in the process of startup or shutdown and is not available.

## Function keys

Key	Function
F1	provides help information.
F3	saves any changes and returns to the previous screen.
F6	terminates the current MHO system and restarts it.

## Defining MHO LU0 links

Choose option 2 from the CROSS SYSTEM COMMUNICATIONS panel (4) to provide the following panel:

```
Date:12/12/1997          LINKS TO OTHER SYSTEMS          Userid:TSG0001
Time:09:00              Terminal:A01MS257

Line commands: D=Delete  N=New  S=Select

  O E NODENAME SYMBOLIC TYPE      COMMENT          STATUS
  -- --
  _ N A01MS005 TEST                TEST NODE        INACTIVE
  _ Y A01MS269 NEW YORK            NEW YORK OFFICE (HQ)  *ACTIVE*
  _ Y A01MS270 BOSTON              BOSTON (SALES)      *ACTIVE*

F1=Help F3=End  F6 Restart MHO  F7=Up F8=Down  F9=Check Nodes F10=Restart APPC
```

The MHO LU0 system allows NC-PASS to communicate with other NC-PASS jobs (or other PassGo Technologies products such as NC-ACCESS). All data sent over MHO is encrypted before transmission and decrypted on reception.

This panel displays the status of all links set up on the MHO LU0 system, together with their optional symbolic names and comments. They are displayed in alphabetical order based on the nodenames. Each row references a single link and defines the MHO LU0 nodenames of remote systems with which this NC-PASS will maintain a communication link.

The MHO system requires that each node establishes a link with every other node with which it will communicate. Therefore the data must be defined at each end of the link before the link can become active.

Every MHO LU0 node with which this NC-PASS job will communicate must be entered on this panel. You can add additional links at the beginning of the list which will be sorted alphabetically when you press <Enter>.

## Input Fields

To create a new entry, enter N in the O column and complete the remaining fields as described below:

Field	Description
E (Enabled)	Enter Y to enable the link or N to disable it. If you enter Y and the link is not enabled, check the NC-PASS log for the reason and examine the remote NC-PASS definition.
NODENAME	Enter the VTAM nodename defined as the MHO nodename of the remote node.
SYMBOLIC	Enter an optional symbolic name, if required. For example A01MS269 could be more easily remembered as NEWYORK.
TYPE	This field is reserved for future use.
COMMENT	Enter an optional comment, if required.

## Line commands

You can use line commands S and N only on the first line in the column headed O. Option D can be used on any line in the O column. List options D, N or S perform the following functions.

- D deletes the entry for the selected link.
- N adds a new entry using the input fields described above.
- S selects for display only those entries that match with the characters entered in the **NODENAME** field. If you have many links to other nodes, use this option to find the status of a specified link quickly. For example enter

O	E	NODENAME	SYMBOLIC	TYPE	COMMENT	STATUS
S		A02*				

to display only those nodenames starting with A02.

## Display field

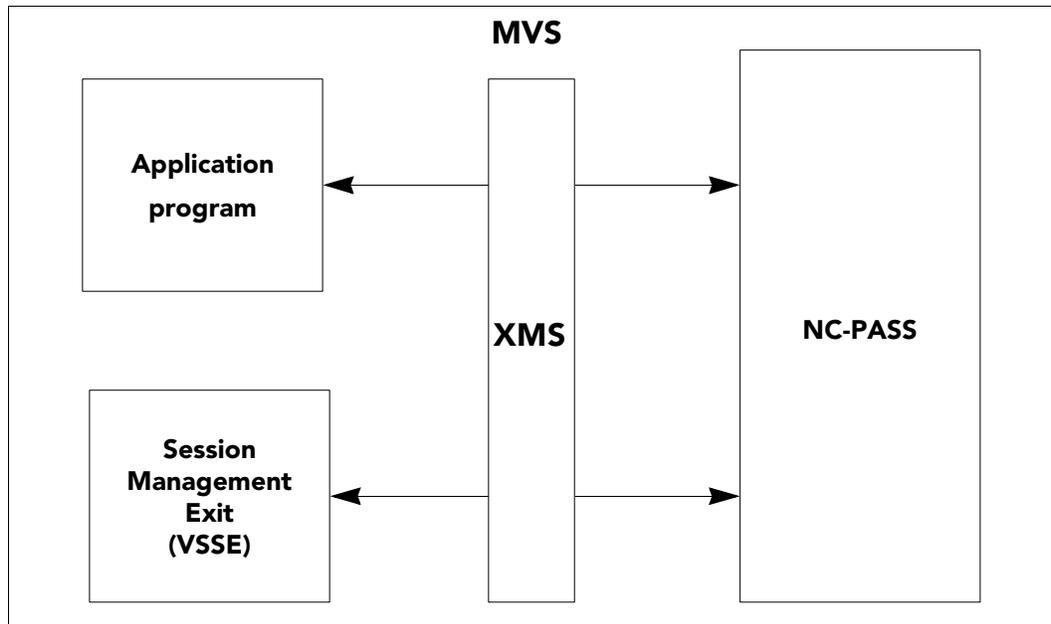
Field	Description
STATUS	displays the status of the link as one of the following:  *ACTIVE* the link is available (the suffix D shows the link is to a down-level system (eg NC-PASS 1.4). INACTIVE the link is unavailable. PENDING the link is in the process of startup or shutdown and is not available.

## Function keys

Key	Function
F1	provides help information.
F3	saves any changes and returns to the previous screen.
F7	pages up the list of nodes.
F8	pages down the list of nodes.
F9	Checks the status of all MHO links defined to this NC-PASS.
F10	Stops and restarts the MHO system. If the system is active it will be stopped and will only be restarted if the <b>Enable MHO</b> field is Y on the Host screen.

## Jobs running in the same operating system

Cross Memory Services (XMS) is the means by which any job running in the same operating system as NC-PASS (eg programs running under TSO, batch jobs etc) can communicate with NC-PASS.



The structure and data formats of XMS Transaction Level Interfaces (TLIs) are described in *Chapter 2 - Transaction Level Interface (TLI)*. VSSE is described in *Chapter 8 - The VTAM Session Security Exit (VSSE)* (Volume 1).

## Defining XMS communications

The XMS system is identified by a four byte XMS identifier on the CROSS SYSTEM COMMUNICATIONS - HOST panel (4.1), as shown below. The second section on the panel relates to XMS communications.

```

Date:12/12/1997      CROSS SYSTEM COMMUNICATIONS - HOST      Userid:TSG0001
Time:09:00
Terminal:A01MS242

MHO Communications (LU0)
  Enable MHO           => Y  Y/N           MHO status      => *ACTIVE*
  MHO Host nodename    => PASSMHO         Password        => _____
  MHO Symbolic name    => _____
  Check MHO system every => 30 minutes   Trace           => N   Y/N

Cross Memory Communications (XMS)
  Enable XMS           => Y  Y/N           XMS status      => *ACTIVE*
  XMS Identifier       => XMS1           Program trace   => 0   0-9, 0=none
  Work Elements        => 200           Exec trace     => 0   0-9, 0=none

APPC Communications (LU6.2)
  Enable APPC         => Y  Y/N           APPC status     => *ACTIVE*
  APPC Host nodename  => PASSAPPC        Password        => _____
  APPC Symbolic name  => _____
  Check APPC system every => 30 minutes   Trace           => N   Y/N

F1=Help  F3=End  F6=Restart MHO  F8=Restart XMS  F10=Restart APPC
  
```

## Input fields

Field	Description
<b>Cross Memory Communications (XMS)</b>	
Enable XMS	Enter Y (Yes) to enable the cross memory server task. Enter N (No) to stop the cross memory server task. Refer to message 3032 in <i>Chapter 6 - Messages and abend codes</i> for details of return codes.
XMS Identifier	Enter the four byte SSCT name which is used to communicate via cross memory services to the NC-PASS address space. This name is set to XMS1 in the distributed load library. If you want to change this value, apply customization zap AUC0102, refresh or replace the session management exit and enter the new value on this panel.  <b>Note:</b> The same XMS SSCT name is used by both the VSSE Session Management Exit and by the XMS TLLs.
Work Elements	The maximum number of work elements which can be in use at one time. These determine the amount of space in the CSA to be used by XMS. The default is 200 and should not be changed except on the advice of PassGo Technologies.
Program trace	Set to one of the following trace levels to produce a diagnostic report in the NCI log. The report is a log of program activity.  0 - OFF 1 - log activity (brief) 3 - log activity with some detail 5 - log data packets 7 - log data packets with hex print 9 - log activity with great detail  These are cumulative - eg 7 includes 1 through 7. Levels 2, 4, 6 and 8 are not used.  It is recommended that you use level 9 with care as this can result in excessive logging.

Field	Description
Exec trace	<p>Set to one of the following trace levels to produce a diagnostic report in the NCI log. The report is a log of Exec activity.</p> <ul style="list-style-type: none"> <li>0 - OFF</li> <li>1 - log activity (brief)</li> <li>3 - log activity with some detail</li> <li>5 - log data packets</li> <li>7 - log data packets with hex print</li> <li>9 - log activity with great detail</li> </ul> <p>These are cumulative - eg 7 includes 1 through 7. Levels 2, 4, 6 and 8 are not used.</p> <p>It is recommended that you use level 9 with care as this can result in excessive logging.</p>

### Display fields

Field	Description
XMS status	<p>displays the status of the system as one of the following:</p> <ul style="list-style-type: none"> <li>*ACTIVE*    the system is available.</li> <li>INACTIVE    the system is unavailable.</li> <li>PENDING    the system in the process of startup or shutdown and is not available.</li> </ul>

### Function keys

Key	Function
F1	provides help information.
F3	saves any changes and returns to the previous screen.
F8	terminates the current XMS system and restarts it.

## **XMS warning**

IBM states that, given current design, programs which create a Cross Memory Environment will cause the address space to be marked *unusable* when the program ends.

This means that when NC-PASS is shutdown after starting a Cross Memory Environment the address space where NC-PASS is running will not be available for reuse until the next IPL. The address space where the non-NC-PASS program runs will be unaffected.

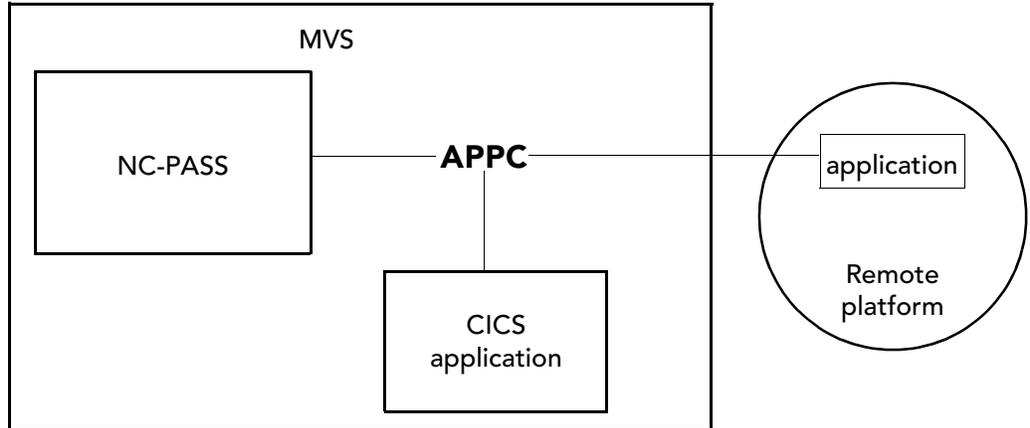
Several IBM APARs detail this problem. An extract of one APAR, OZ64038, is detailed below. PassGo Technologies Ltd. recommends that you understand the implications of lost address spaces before starting XMS on NC-PASS. We would also recommend use of the RSVNONR parameter.

### **APAR OZ64038 Closed as a suggested System improvement**

*Under current (IBM) design, once an Address Space has created a Cross Memory Environment, the ASCBXMET bit is set to one. If this ASID should go through memory delete, the ASID is marked unusable, and will not be available to run jobs until the next IPL. In this customer account, they only schedule one IPL per month (for maintenance). Their production IMS system is taken down every night at midnight and they also bring up their TESTIMS at least three times a day [...] so they average a loss of 4 ASIDs per day [...] which results in their needing to schedule IPLs more frequently. Suggested customer increase the MVS MAXUSERS so that the loss of ASID will not cause unnecessary IPLs. For additional information in setting up MAXUSER see the SPL: INITIALIZATION & TUNING GUIDE. [...] A new parameter has been added called RSVNONR. This parameter specifies the number of entries to be used as replacements for entries that are not reusable. The default is five. When an ASID is marked nonreusable, an ASID from the replacement group is added to the available ASVT entry chain.*

## Applications using the APPC interface

Applications running on an MVS or remote platform can communicate with NC-PASS by making a call using the Advanced Program to Program Communication protocol (APPC).



The structure and data formats of the APPC Transaction Level Interface (TLI) are described in *Chapter 2 - Transaction Level Interface (TLI)*.

The APPC system on the host is a passive system; NC-PASS does not **initiate** an APPC session.

### Defining APPC communications

To use APPC communications, you must define the name of the VTAM node used by APPC on NC-PASS as shown on the following panel. The last section on the panel relates to APPC communications.

```

Date:12/12/1997      CROSS SYSTEM COMMUNICATIONS - HOST      Userid:TSG0001
Time:09:00          Terminal:A01MS242

MHO Communications (LU0)
  Enable MHO          => Y  Y/N          MHO status    => *ACTIVE*
  MHO Host nodename   => PASSMHO       Password      => _____
  MHO Symbolic name   => _____
  Check MHO system every => 30 minutes   Trace         => N   Y/N

Cross Memory Communications (XMS)
  Enable XMS          => Y  Y/N          XMS status    => *ACTIVE*
  XMS Identifier      => XMS1          Program trace => 0   0-9, 0=none
  Work Elements       => 200           Exec trace    => 0   0-9, 0=none

APPC Communications (LU6.2)
  Enable APPC         => Y  Y/N          APPC status   => *ACTIVE*
  APPC Host nodename  => PASSAPPC       Password      => _____
  APPC Symbolic name  => _____
  Check APPC system every => 30 minutes   Trace         => N   Y/N

F1=Help  F3=End  F6=Restart MHO  F8=Restart XMS  F10=Restart APPC
  
```

## Input fields

Field	Description
<b>APPC Communications (LU6.2)</b>	
Enable APPC	Enter Y (Yes) to enable the specified communication. Enter N (No) to stop the communication.
APPC Host nodename	Enter the name of the VTAM node used by the APPC system on this NC-PASS job for communication with remote platforms. <b>Note:</b> The APPC node and the NC-PASS node are separate entities and have different names.
APPC symbolic name	Enter a symbolic name, if required. For example, node U01MVS9 could have symbolic name HQLAN which is more easily remembered.
Check APPC system every	Enter the required number of minutes in this field to specify the frequency at which the system status will be checked. If an error is found, an automatic recovery to the required state will be attempted. Enter 0 to disable this facility.
Password	Enter the password for the APPC node (if a password has been defined to VTAM). If a password has been defined to VTAM and is not entered here, APPC communication will not be allowed.
Trace	Set to Y to produce a diagnostic report in the NCI log. The report is a log of the transmissions sent and received. Depending on the volume of traffic, APPC tracing can result in many records being written to the log. It is recommended that you use this option with care.

## Display fields

Field	Description
APPC status	displays the status of the system as one of the following:  *ACTIVE*    the system is available.  INACTIVE    the system is unavailable.  PENDING    the system in the process of startup or shutdown and is not available.

## Function keys

Key	Function
F1	provides help information.
F3	saves any changes and returns to the previous screen.
F8	terminates the current APPC system and restarts it.

## Displaying the status of APPC links

The APPC LINK STATUS panel enables you to display the status of APPC partners who:

- have a current link with your NC-PASS job
- had a link with your NC-PASS job since this NC-PASS job was last started.

If the link with a particular APPC partner drops, the entry for that partner is displayed as inactive. Inactive links will be displayed on this panel until the NC-PASS job is restarted.

Choose option 3 from the CROSS SYSTEM COMMUNICATION panel (4) to display the APPC LINK STATUS panel, an example of which is shown below.

Date:12/12/1997	APPC LINK STATUS						Userid:TSG0001	
Time:09:10							Terminal:A01MS046	
REMOTE NODE	PARTNER ID	APPL ID	LINKED DATE TIME		COMMUNICATED DATE TIME		STATUS	
A2345678	LAN01	A01APPL	12/12/1997	08:00	12/12/1997	08:30	A	
B1234567	CLIENTZ	TESTAPPL	12/12/1997	09:03	12/12/1997	09:05	A	
F1=Help F2=Log F3=End F7=Up F8=Down								

The links are displayed in the order in which they were established, ie the oldest link is displayed at the top of the panel.

## Display fields

Field	Description
REMOTE NODE	The VTAM node name of the APPC partner.
PARTNER ID	The identifier for the APPC partner. This is taken from the system identifier field of the handshake and will remain blank until a handshake is received.
APPL ID	The application the partner is running. This is taken from the application id of the handshake and will remain blank until a handshake is received. If the application name is more than 10 bytes in length, it will be truncated to 10 bytes in this display.
LINKED	
DATE	The date that the link was established.
TIME	The time that the link was established.
COMMUNICATED	
DATE	The date that the last communication was received.
TIME	The time that the last communication was received.
STATUS	The status of the APPC partner. This will be one of the following: <b>Active</b> the partner has sent a handshake. <b>Pending</b> the partner has not yet sent a handshake. <b>Inactive</b> the partner is no longer active.

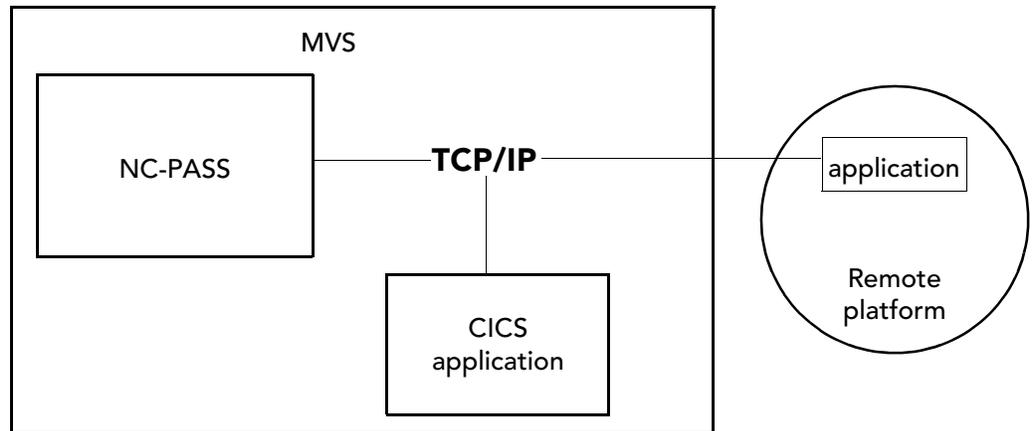
## Function keys

Key	Function
F1	displays help information.
F2	displays the NCI log.
F3	saves any changes made and returns to the previous panel.
F7	displays the previous screen of APPC links, if applicable.
F8	displays the next screen of APPC links, if applicable.

---

## Applications using the TCP/IP interface

Applications running on an MVS or remote platform can communicate with NC-PASS by making a call using TCP/IP.



The structure and data formats of the TCP/IP Transaction Level Interface (TLI) are described in *Chapter 2 - Transaction Level Interface (TLI)*.

The TCP/IP system on the host is a passive system; NC-PASS does not **initiate** a TCP/IP session.

### The TCP/IP system jobname

Before you try to enable TCP/IP communications from NC-PASS, check the name of the TCP/IP job in your system. NC-PASS assumes that the jobname for your TCP/IP system is TCPIP. If your TCP/IP administrator uses a jobname other than TCPIP, you must ensure that:

- exit SEEXIT60 is enabled. (SEEXIT60 is described in *Chapter 5 - Exit processing*)
- variable &ix60job is set to the name of the TCP/IP job running on your system.

If the incorrect jobname is specified, message CKxx3641 with a return code of 20 will be issued as one of the audit messages for TCP/IP startup. This message is documented in *Chapter 6 - Messages and abend codes*.

## Enabling and disabling the TCP/IP environment

You can enable or disable the TCP/IP environment in the TCP/IP HOST FUNCTIONS panel (4.6), as shown below:

```

Date:12/12/1997          TCP/IP HOST FUNCTIONS          Userid:TSG0001
Time:09:00                Terminal:A01MS046

TCP/IP Host information
Internet address . . . . . 64.64.64.64
Job name. . . . . TCPIP

Sockets
Enable sockets . . . . . Y Y/N          Sockets status *ACTIVE*
Port number. . . . . 5092 1025-32767
Enable sockets trace . . . N Y/N
Connection time-out. . . . 10 Minutes

RPC
Enable RPC . . . . . Y Y/N          RPC status . . *ACTIVE*
Program number . . . . . 2000000
Port mapper number . . . . 111
Enable RPC tracing . . . . N Y/N
RPC retry interval . . . . 64 minutes (1-60)

F1=Help  F3=End  F5=Socket  F6=Restart  F9=Nlog  F12=Can
    
```

### Input fields

Field	Description
Internet address	The Internet address of the TCP/IP system.  If you want to change the default Internet address, refer to exit SEEXIT60 in <i>Chapter 5 - Exit processing</i> .
Job name	The name of the TCP/IP job.
Enable sockets	Enter Y to enable the sockets environment or N to disable it.
Port number	Some port numbers are pre-allocated. Consult your administrator for the required Port number.
Enable sockets trace	Set to Y to produce a diagnostic report in the NCI log. The report is a log of the transmissions sent and received. Depending on the volume of traffic, sockets tracing can result in many records being written to the log. It is recommended that you use this option with care.  Tracing will start when you set this field to Y and press <Enter> or <F3>.
Connection time-out	The maximum number of minutes that can elapse after a connection has been made but before sending a handshake transaction. If this limit is exceeded, the connection is terminated by NC-PASS.  The default setting is 10 minutes; to change this refer to exit SEEXIT60 in <i>Chapter 5 - Exit processing</i> .
Enable RPC	Enter Y to enable the RPC environment or N to disable it.
Program number	

Field	Description
Port mapper number	
Enable RPC trace	Set to Y to produce a diagnostic report in the NCI log. The report is a log of the transmissions sent and received. Depending on the volume of traffic, RPC tracing can result in many records being written to the log. It is recommended that you use this option with care.  Tracing will start when you set this field to Y and press <Enter> or <F3>.

RPC retry interval

**WARNING:** If you change any of the input fields described above and press <Enter>, the changes will be actioned. If this involves sockets or RPC being disabled, NC-PASS will terminate all active sockets or RPC communications.

### Display fields

Field	Description
Sockets status	The current status of the sockets environment:  *ACTIVE* the feature has been enabled successfully.  *INACTIVE* sockets has not been enabled.  *PENDING* a request has been made to enable the sockets system; this is in progress.
RPC status	The current status of the RPC environment:  *ACTIVE* the feature has been enabled successfully.  *INACTIVE* RPC has not been enabled.  *PENDING* a request has been made to enable the RPC system; this is in progress.

### Function keys

Key	Function
F1	displays help information.
F3	validates any entries on the screen. It updates the CAF with fields that have been changed. The previous panel is then displayed.
F5	displays the TCP/IP SOCKETS panel. This panel can also be displayed by selecting option 7 from the CROSS SYSTEMS COMMUNICATION menu.
F6	restarts TCP/IP (if the <b>Enable</b> flags are set to Y), which will action any amendments made on this panel.
F9	displays the NCI log.
F12	cancels any changes made and returns to the previous panel.

## Displaying Clients

Select option 7 from the CROSS SYSTEMS COMMUNICATION menu or press <F5> from the TCP/IP HOST FUNCTIONS panel to display the TCP/IP SOCKETS panel. This panel lists details of Clients, their links, most recent communication, port number, Internet address, socket number and socket status, as shown below:

```

Date:12/12/1997          TCP/IP SOCKETS          Userid:TSG0001
Time:10:13                Terminal:A01MS041

      INTERNET
SCKT ADDRESS          PORT  CLIENT  APPL      CONNECTED      LAST CONTACT
1
2 123.62.1.185        1025  N/A
3 123.62.1.195        1027  PCLIENT3  12/12/1997 09:54 12/12/1997 10:06
4
5
6
7
8
9
10
11
12
13
14
15
16
17

F1=Help  F3=End  F7=Up  F8=Down

```

### Display fields

Field	Description
SCKT	<p>The SOCKET number.</p> <p>Each Client which requests a session with NC-PASS is allocated a Socket by NC-PASS.</p> <p>Socket 1 is reserved for use by NC-PASS.</p> <p>A limit of 48 sockets, numbered 2 through 49 are available for use by Partners.</p> <p>When this limit is reached, Clients will be unable to connect to NC-PASS until an existing Client terminates its communication link.</p>
INTERNET ADDRESS	The Client's Internet address.
PORT	The Client's Port number.

Field	Description										
CLIENT	<p>The identity of the Client. This is taken from the system identifier field of the handshake and will remain blank until a handshake is received.</p> <p>Other possible values are:</p> <table border="0"> <tr> <td>CANCEL</td> <td>the last activity for the socket is being cancelled.</td> </tr> <tr> <td>CLOSE</td> <td>the Socket is being closed.</td> </tr> <tr> <td>N/A</td> <td>Following a connect, and prior to a handshake.</td> </tr> <tr> <td>SHUTDOWN</td> <td>The link with the Client is being terminated by NC-PASS.</td> </tr> <tr> <td>TIME-OUT</td> <td>Communication with the Client has been terminated because of a time-out.</td> </tr> </table>	CANCEL	the last activity for the socket is being cancelled.	CLOSE	the Socket is being closed.	N/A	Following a connect, and prior to a handshake.	SHUTDOWN	The link with the Client is being terminated by NC-PASS.	TIME-OUT	Communication with the Client has been terminated because of a time-out.
CANCEL	the last activity for the socket is being cancelled.										
CLOSE	the Socket is being closed.										
N/A	Following a connect, and prior to a handshake.										
SHUTDOWN	The link with the Client is being terminated by NC-PASS.										
TIME-OUT	Communication with the Client has been terminated because of a time-out.										
APPL	The application within which the Client is operating. This is provided in the handshake information, and is available to assist with partner identification. If the APPL ID name is more than 10 bytes in length, it will be truncated to 10 bytes in this display.										
CONNECTED DATE/TIME	The date and time that the link was received.										
LAST CONTACT DATE/TIME	The date that the last communication was received. The time that the last communication was received.										

### Function keys

Key	Function
F1	displays help information.
F3	returns to the previous panel.
F7	pages up the list of Sockets.
F8	pages down the list of Sockets.

### Socket status

If a Cancel, Shutdown or Close operation does not complete successfully, the CLIENT field will remain in a status of CANCEL, SHUTDOWN or CLOSE. This is a serious error and should be reported to your local PassGo Technologies support office. The Socket can only be reset and therefore made available for use by stopping and restarting TCP/IP which will affect all other active Sockets on your system.

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## Chapter 2 - Transaction Level Interface (TLI)

Overview .....	2.2
TLI categories .....	2.2
XMS TLI function .....	2.4
High level interfaces .....	2.4
Low level interface .....	2.5
Functions provided through the TLIs .....	2.6
Parmlist keywords .....	2.7
Audit (XMS TLI) .....	2.11
Samples .....	2.11
APPC/TCP/IP TLI .....	2.15
APPC conversation structure .....	2.16
TCP/IP conversation structure .....	2.18
Data structures .....	2.19
Audit (APPC/TCP/IP TLI) .....	2.33
TCP/IP action tracing .....	2.33
Backward compatibility .....	2.34

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## Overview

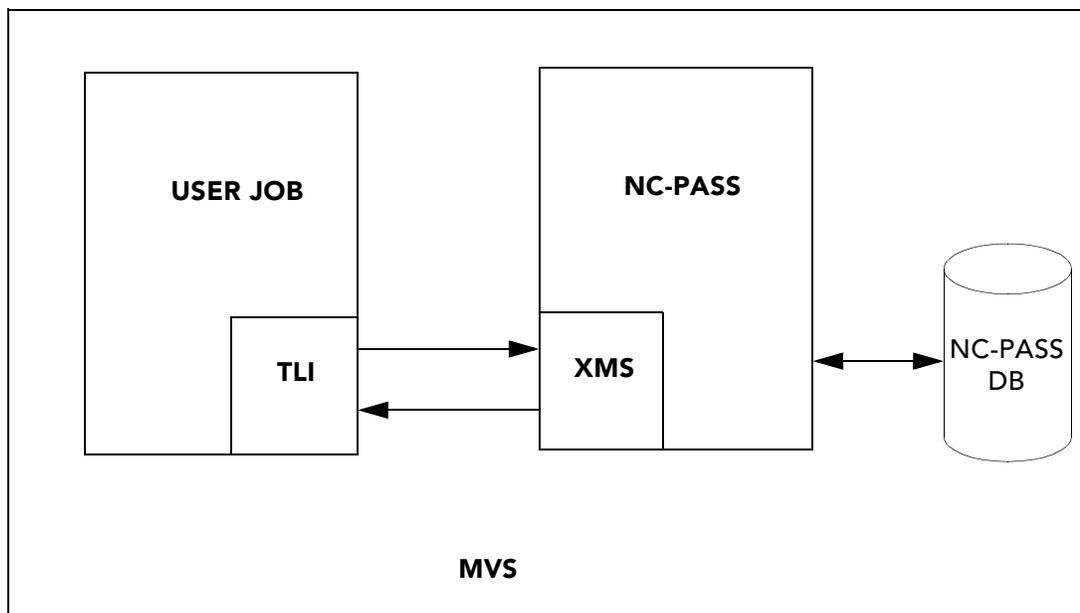
The Transaction Level Interface (TLI) facility allows an application to make a call to NC-PASS to request information; depending on the information given, the application can then determine the processing path to take. For example, a banking application could make a TLI call to NC-PASS to authenticate a user before allowing him to process a funds transfer transaction.

### TLI categories

There are three categories of TLI; those that use the cross memory services (XMS) component of NC-PASS, those that use the Advanced Program to Program Communication (APPC) protocol and those that use the TCP/IP protocol.

### XMS TLI

The XMS (TLI) is a function which uses the cross memory services component of NC-PASS to enable any non-NC-PASS job - eg programs running under TSO, batch jobs, CICS - running in the same MVS system as NC-PASS to communicate with NC-PASS as shown in the diagram below.



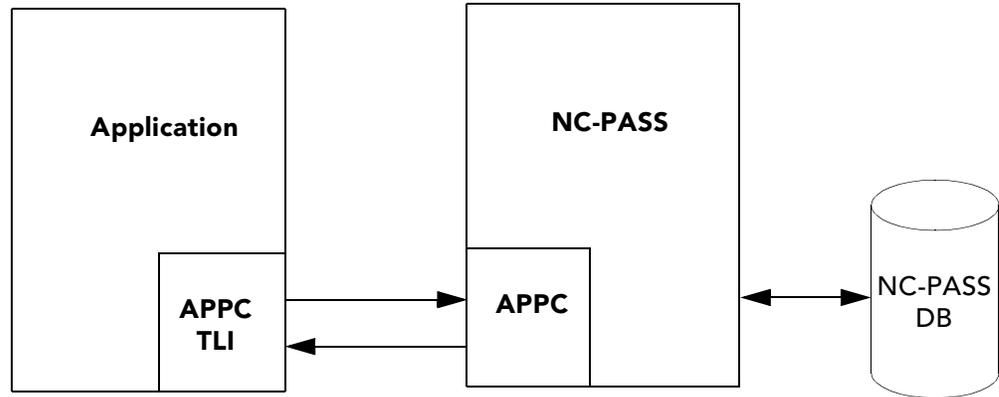
The TLI can be used to provide security authentication checking when a user requests access to an application which has invoked NC-PASS to initiate security checking. It allows user-written programs to interact with NC-PASS.

Sample RACF and TSO logon exit modules are provided and described in the relevant sections.

The XMS communication system must be active to use the XMS TLI function. Refer to *Chapter 1 - Communicating with other systems* for further information.

## APPC TLI

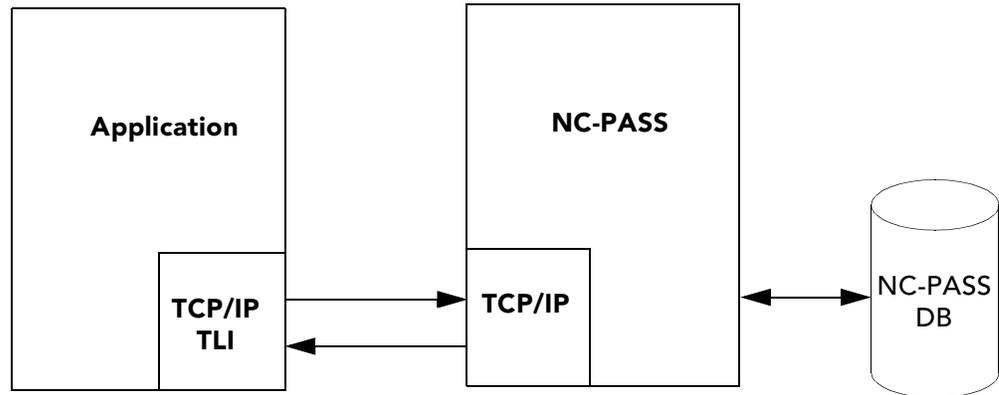
The APPC TLI enables any application, on any platform, using the APPC interface to communicate with NC-PASS as shown in the diagram below:



The APPC communication system must be active to use the APPC TLI function. Refer to *Chapter 1 - Communicating with other systems* for further information.

## TCP/IP TLI

The TCP/IP TLI enables any application, on any platform, using the TCP/IP interface to communicate with NC-PASS as shown in the diagram below:



The TCP/IP communication system must be active to use the TCP/IP TLI function. Refer to *Chapter 1 - Communicating with other systems* for further information.

---

## XMS TLI function

Both high- and low-level interfaces are provided.

### High level interfaces

Each interface has the following format. Optional parameters are shown in brackets.

SEXMITaa *parmlist* [*workarea*]

where:

aa is either:

- NC used from an NCI based system.
- TS used from a TSO system.
- OS used from high level languages.

*parmlist* is a variable length parameter consisting of keywords and their data separated by commas and terminated with a semicolon (;)

KEYWORD=xxx,KEYWORD=yyy,KEYWORD=zzz;

The keywords fall into two groups:

- those that control the XMS process
- those that are used by NC-PASS to determine the requirements of the call.

For details of the *parmlist* keywords, refer to the section entitled *Parmlist keywords* on page 2.7.

*workarea* is applicable to the SEXMITOS interface and is a 1400 byte area which enables SEXMITOS to operate in an environment where no GETMAINS are allowed (eg SRB mode/SMF exit). If *workarea* is not specified, SEXITMOS will use GETMAINS to obtain a work area.

### Return codes

Primary return codes will be set in *variable &usrretc* as follows:

Return code		Description
Dec	Hex	
0	0	Function completed successfully.
4	4	More information required.
8	8	Function did not complete successfully.
12	C	XMS - non-catastrophic error.
16	10	XMS - catastrophic error.
20	14	Parameter error.

For COBOL programs, this value is placed in a predefined field, RETURN-CODE PIC 99 COMP.

### Return area

Keyword RETAREA=*returnarea* is mandatory for the SEXMITNC and SEXMITOS interfaces. If it is not supplied, variable *&usrretc* will be set to 20 (X'14') and the message CKSE3040-8 INVALID PARAMETER will be output to the NCI log.

## Low level interface

A low level interface, the SEXMIT macro is provided, the format of which is described below.

```
LABEL SEXMIT MF=(E,list),  
                PARMLIST=parmlist,  
list SEXMIT MF=L
```

where

*list*

is the label name of the LIST form of the macro.

*parmlist*

is the label name of the area containing the TLI parameter list or a register containing its address and is a variable length parameter consisting of keywords and their data separated by commas and terminated with a semicolon (;)

```
KEYWORD=xxxx,KEYWORD=yyyy,KEYWORD=zzzz;
```

Data supplied in the parmlist which is required by the XMS function itself will be extracted, validated and used by XMS, the rest will be sent on to NCI.

For details of the parmlist keywords refer to the section entitled *Parmlist keywords* on page 2.7.

## Return codes

Primary return codes will be set in *variable &usrretc* as follows:

Return code		Description
Dec	Hex	
0	0	Function completed successfully.
4	4	More information required.
8	8	Function did not complete successfully.
12	C	XMS - non-catastrophic error.
16	10	XMS - catastrophic error.
20	14	Parameter error.

## Return area

Keyword RETAREA=*returnarea* is mandatory for this interface. If it is not supplied, variable *&usrretc* will be set to 20 (X'14') and the message 'NC-PASS TLI PARAMETER ERROR - NO RETURN AREA SUPPLIED' will be output to the NCI log.

## Functions provided through the TLIs

The data coded in the function keyword determines the function that NC-PASS will perform as described below:

Function	Description
AUTH	<p>This function allows the calling program to perform an authentication check according to the data given, irrespective of the options that have been specified for the given user, ie it only verifies that the parameters that you pass are valid. For example, if you only give a password no token check is done.</p> <p><b>Note:</b> If you pass a parameter with a blank or nonexistent value, it is ignored, eg PRN=' ' has the same result as not specifying the PRN parameter. It is your responsibility to ensure that the parameter exists.</p>
CHECK	<p>Where an MHO node has been specified on a function call the processing to satisfy that call will be carried out by another NC-PASS system; this processing is asynchronous with the XMS function; to discover the result of the NC-PASS function one or more further calls will have to be made using this function.</p> <p>The original XMS function call to NC-PASS will return a transaction id (TXID) and this must be provided on this function call in order for NC-PASS to determine the outcome of the original call.</p> <p>Using the TXID NC-PASS searches an internal queue containing answers to previous functions processed via MHO.</p>
LOGON	<p>This function authenticates a userid according to the criteria specified for that userid in NC-PASS. For example, if the user profile specifies that a RACF password must be used, then this data must be provided or the user will fail the check.</p>
MESSAGE	<p>This function allows any application to send messages to NC-PASS to be recorded on the NC-PASS log. It can therefore be used to provide a central audit facility.</p>
NPASS	<p>This function allows a user's password to be changed.</p>
NPIN	<p>This function allows a change to a user's SecurID Pinpad token PIN.</p>
REQUEST	<p>This function requests the access requirements for a user.</p>
RETDATA	<p>This function is used to obtain the result of a previous asynchronous call.</p>
SIGN	<p>This function indicates that the Digipass token signature function is required.</p>
TIME	<p>This function can be used to determine if a user has been authenticated within a given time period.</p>
VSSE	<p>If the SME is enabled, this function can be used to pass information to CSA which the SME can use later to determine whether to allow a CLSDST PASS session to be established.</p>

## Parmlist keywords

The following parmlist keywords are used by the TLI. Minimum abbreviations are shown in capital letters, eg NEWPass means that the minimum abbreviation for this keyword is NEWP.

FUNCTION= <i>purpose</i>	Where <i>purpose</i> can be one of the following: AUTH CHECK LOGON MESSAGE NPASS NPIN REQUEST RETDATA SIGN TIME VSSE
	See <i>Functions provided through the TLIs</i> on page 2.6 for further details.
APPL= <i>nodename</i>	Application node name.
CHALLENGE= <i>nnnnnnnn</i>	The challenge used to generate a token response. Only valid for tokens of the challenge-response type.
DATA= <i>data</i>	The data used to generate the key supplied in the SIGN= function. This data is in blocks of up to 12 numeric digits as entered into the Digipass token. If more than one block is used, the blocks must be separated with the slash symbol (/).
DATE= <i>yymmdd</i>	The date of signature generation. This is only required if the verification occurs more than 22 hours after the generation.
MSG= <i>message text</i>	Allows the calling application to issue audit messages. <i>message-text</i> can be a text string or an NC-PASS message number.
NODE= <i>xxxxxxxx</i>	This is the MHO node used by NC-PASS to communicate with other NC-PASS systems.  If specified, the function request will be routed to the system identified by the node. You can specify the symbolic node name instead of the VTAM nodename if required.  Functions routed to other NC-PASS systems are <b>always</b> processed asynchronously. To obtain the results of the function call, code FUNCTION=CHECK.  The default is the local node.
NEWPass (or NPASS) = <i>xxxxxxxx</i>	New password (maximum 8 characters).
NEWPIIn (or NPIN) = <i>xxxxxxxx</i>	New PIN. Only applicable for SecurID Pinpad tokens.

OUTPUT= <i>destination</i>	<p>Determines the destination of the trace output:</p> <ul style="list-style-type: none"> <li>N - NCI log (default for SEXMITNC). If the program is not running under NCI, OUTPUT=W is assumed.</li> <li>T - TSO terminal using the TPUT macro (default for SEXMITTS). If the program is not running under TSO, OUTPUT=W is assumed.</li> <li>W - Output to operator console (default for SEXMITOS).</li> </ul>								
PASSword= <i>xxxxxxxx</i>	Password (maximum 8 characters).								
PASSCode= <i>nnnnnnnn</i>	Passcode.								
PRN= <i>nnnnnnnn</i> RESPonse= <i>nnnnnnnn</i>	Token response. (PRN is the name given to output generated by SecurID tokens; PRN is an alias for RESponse.)								
RETAREA= <i>returnarea</i>	<p>This is an area used to return information to the application making the TLI request.</p> <p><b>This keyword is mandatory for the SEXMITNC, SEXMITOS and SEXMIT interfaces.</b></p> <p>If not supplied, variable <i>&amp;usrretc</i> will be set to 20(X'14') and the message CKSE3040-8 INVALID PARAMETER will be output.</p> <p>The destination of this message will be:</p> <table border="0" style="margin-left: 40px;"> <tr> <td>SEXMITNC</td> <td>NCI log</td> </tr> <tr> <td>SEXMITOS</td> <td>SYSLOG (console)</td> </tr> <tr> <td>SEXMIT</td> <td>SYSLOG (console)</td> </tr> <tr> <td>SEXMITTS</td> <td>Screen (TPUT)</td> </tr> </table>	SEXMITNC	NCI log	SEXMITOS	SYSLOG (console)	SEXMIT	SYSLOG (console)	SEXMITTS	Screen (TPUT)
SEXMITNC	NCI log								
SEXMITOS	SYSLOG (console)								
SEXMIT	SYSLOG (console)								
SEXMITTS	Screen (TPUT)								
RETID= <i>xxxx</i>	<p>A 4-byte area required to obtain the data returned by a previous asynchronous (XMSOPT=ASY) function request. Data from the previous asynchronous function is obtained using FUNCTION=RETDATA passing RETID as one of its parameters.</p> <p>An asynchronous function request will always generate a RETID.</p>								
ROUTINE= <i>exec</i>	The name of an NCI routine that will be executed.								
SIGN= <i>key</i>	The signature key generated by the Digipass token from the supplied data.								
SLOT= <i>xxxxxxxx</i>	<p>Applies to the ActivCard token only.</p> <p>The application to which the call is being made. This overrides the application, if any, specified in the ActivCard SYSTEM DEFAULTS panel.</p>								
TERMid= <i>xxxxxxxx</i>	Terminal id.								
TIME= <i>mm:ss</i>	Time period in the format minutes:seconds.								
TIMEOUT= <i>nnnn</i>	The timeout interval, in hundredths of seconds, used with XMSOPT=SYN to establish a maximum time to wait for a reply.								

TRACElevel= <i>n</i>	<i>n</i> is a number from 0 through 9 specifying the level of tracing to be performed during execution of the function call. 0 means no tracing and 9 means full tracing. This parameter should normally only be used on request from your local support office.  The default is 0.
TSER= <i>nnnnnnnn</i>	Token serial number.
TTYPe= <i>xxx</i>	Token type.
TXID= <i>xxxx</i>	Transaction id returned by previous asynchronous call.
USERid= <i>xxxxxxxx</i>	Userid (maximum 8 characters).
XMSID= <i>xxxx</i>	The 4 byte XMS Identifier used by the target NC-PASS system.  The default is XMS1.
XMSOPT= <i>process</i>	This determines the type of communication process and can be one of the following: <ul style="list-style-type: none"> <li>ASY - The function call is processed asynchronously. This allows the calling program to continue processing while NC-PASS is processing the function request. The calling program will have to make a further FUNCTION=RETDATA call to obtain the result of the asynchronous call.</li> <li>NOR - No reply will be returned from the function call to the calling program.</li> <li>SYN - The function is processed synchronously; the calling program will stop processing until the function call has completed. This is the default.</li> </ul>

Keywords may or may not be mandatory, depending on the *purpose* specified in the FUNCTION= keyword, as shown on the following page.

	FUNCTION PURPOSE										
	AUTH	CHECK	LOGON	MESSAGE	NPASS	NPIN	REQUEST	RETDATA	SIGN	TIME	VSSE
APPL	-	-	-	-	-	-	-	-	m	-	m
CHALLENGE	o	-	o	-	-	-	-	-	-	-	-
DATA	-	-	-	-	-	-	-	-	m	-	-
DATE	-	-	-	-	-	-	-	-	m	-	-
MSG	o	o	o	m	o	o	o	-	-	o	o
NODE	o	-	o	o	o	o	o	-	o	o	-
NEWPASS	o	-	o	-	m	-	o	-	-	-	-
NEWPIN	o	-	o	-	-	m	-	-	-	-	-
OUTPUT	o	o	o	o	o	o	o	-	-	o	o
PASSWORD	o	-	o	-	m	-	-	-	-	-	-
PASSCODE	o	-	o	-	-	-	-	-	-	-	-
PRN	o	-	o	-	-	m	-	-	-	-	-
RESPONSE	o	-	o	-	-	m	-	-	-	-	-
RETAREA	m	m	m	m	m	m	m	m	m	m	m
RETID	o	o	o	o	o	o	o	o	m	o	o
ROUTINE	o	o	o	o	o	o	o	-	-	o	o
SIGN	-	-	-	-	-	-	-	-	m	-	-
SLOT	o	-	o	-	-	-	o	-	-	-	-
TERMID	o	o	o	o	o	o	m	-	-	o	m
TIME	-	-	-	-	-	-	-	-	-	m	-
TIMEOUT	o	o	o	o	o	o	o	-	-	o	o
TRACELEVEL	o	o	o	o	o	o	o	-	o	o	o
TSER	-	-	o	-	-	-	-	-	-	-	-
TTYTYPE	-	-	o	-	-	-	-	-	-	-	-
TXID	-	m	-	-	-	-	-	-	o	-	-
USERID	m	m	m	o	m	m	m	-	m	m	m
XMSID	m	m	m	m	m	m	m	m	m	m	m
XMSOPT	o	o	o	o	o	o	o	-	o	o	o

The table entries have the following meanings:

- m mandatory parameter.
- o optional parameter.
- not applicable.

## Return area

The information returned in the return area has the following format:

Position	Format	Contents
1 - 4	zoned decimal	NC-PASS message number generated by the TLI function. This will be output between messages CKxx3047 and CKxx3048. Refer to <i>Audit (XMS TLI)</i> below.
5 - 8	zoned decimal	The transaction identifier (TXID) generated by NC-PASS for TLI functions that result in an MHO call.
9 - 11	char	Token type.
12 - 19	zoned decimal	Token challenge.
20 - 24	YYDDD	Token warning date.
25 - 29	YYDDD	Token death date (SecurID tokens only).

## Audit (XMS TLI)

The following messages will be output from a TLI call:

```
CKxx3047 PROCESSING TLI REQUEST (JOB=xmjobname FUNC=function)
...
other audit message as appropriate eg CKxx0024 PASSWORD INVALID
...
CKxx3048 TLI PROCESSING COMPLETED (RC=rc)
```

where

<i>xmjobname</i>	is the name of the job from where the TLI call originated.
<i>function</i>	is the TLI function requested, eg AUTH.
<i>rc</i>	is one of the following return codes: 0 completed successfully 4 more information required 8 failed 20 invalid parameters.

## Samples

The following TLI samples are supplied in *\*PREFIX\*.SOURCE*. These can be reviewed and modified to your specifications before use:

- REXX Exec sample, SEXMITRX
- COBOL sample, SELOGON
- Assembler samples, SERIX02 and SETSOLGN.

### SEXMITRX

This REXX Exec sample can be used to demonstrate the enhanced security features of the NC-PASS product. As supplied, a full logon check, with token authentication, is performed. If the supplied password has expired, this sample will also invoke new password processing.

### SELOGON

This COBOL sample performs a logon check that can be called from many applications. Password expiry is ignored in the supplied sample.

## SERIX02

This Assembler sample is designed to be used as the RACF post-processing exit ICHRIX02. ICHRIX02 is the RACF preprocessing exit and is driven whenever a call is made to RACF to perform authorization checking.

The supplied sample ICHRIX02 uses the MVS LINK macro to pass control to a module called SERIX02. A version of ICHRIX02 that calls this routine has been provided, to simplify testing.

In the supplied sample, if a password validation check fails, the exit will call NC-PASS to determine whether a token response was provided instead of a password. As an example, this processing would be useful where a user gains access to the system via a dial-in line; instead of providing his password (which would be transmitted in unencrypted form), he could provide a response from a token device instead. During processing various WTOs are issued to provide information.

It is intended that the module aliased as SERIX02 should contain the SEXMIT processing which interfaces to NC-PASS, but for ease of installation and to avoid unnecessary IPLs the sample SERIX02A does nothing more than the processing performed by IEFBR14.

The reason for having the SEXMIT processing in a module separate from ICHRIX02 is to allow changes in processing to be made easily - especially during testing. If changes to the code in ICHRIX02 are required then the system will have to be IPL'd to implement them. Changes to the module aliased as SERIX02 can be brought in using the console MODIFY command:

```
F LLA,REFRESH
```

This forces a new version of the module aliased as SERIX02 to be used (the link list library directory is held in storage until the MODIFY command forces a new copy of the library to be brought into storage).

When the code in the module aliased as SERIX02 has stabilized then ICHRIX02 should be modified to include the processing performed by that module; this will provide much greater security.

For more information on ICHRIX02 see the IBM manual, System Programming Library: Resource Access Control Facility (RACF), ref: SC28-1343-4.

Before this module is used the values of the TSO userids should be changed to valid userids.

To invoke this module from ICHRIX02 it should be assembled and link-edited to include an alias of SERIX02; use the console command

```
F LLA,REFRESH
```

to ensure that it is executed when ICHRIX02 is next invoked.

## Installation

The basic requirements are:

- assemble and link edit ICHRIX02 then copy into an MLPA library
- assemble and link SERIX02A as SERIX02 and copy into a linklist library
- re-IPL.

To test the interface to NC-PASS using SERIX02:

- modify the code in SERIX02 as required
- assemble and link SERIX02
- replace SERIX02 in the linklist library
- issue the console MODIFY command F LLA,REFRESH.

If you are not confident about the processing in the module aliased as SERIX02 ensure that you already have a TSO session that allows you access to the members in the linklist library before you issue the console MODIFY command.

## JCL

JCL to assemble and link edit the sample modules is in the distributed source library member \$ASMSE.

**WARNING:** This sample exit should be fully tested in a test environment before use. It could have considerable impact on security, integrity and performance of the operating system if used incorrectly. In addition, DO NOT use this sample exit in conjunction with the SETSOLGN supplied sample; recursive cross memory calls could result in a hang of NC-PASS.

## SETSOLGN

This Assembler sample uses the supplied SEXMIT macro to interface to XMS to provide token authentication from the TSO pre-prompt logon exit IKJEFLD. A version of IKJEFLD that calls this routine has been provided, to simplify testing. This must be named IKJEFLD and linked with load module IKJEFLA in SYS1.LPALIB.

When a user logs on to TSO, the pre-prompt exit can perform verification before the User Attribute Data Set (UADS) is opened.

The supplied sample checks for passed parameters *userid/password/newpassword*. A prompt will be issued if either *userid* or *password* is not provided. If *newpassword* is provided, it will be used as a token response and then blanked out. (TSO processing will ask for it later if required.)

A TLI call to NC-PASS is then made, using the *userid*, *password* and token response (if supplied). If the return code is 0 or 4 (password expired), the logon is allowed to continue. A return code of 8 (NC-PASS rejected the logon) means the logon will be terminated. If the TLI returns any other return code, the logon will be allowed, but a warning message will be issued.

As supplied, this program is non-reusable so it can be changed in a linklist or steplib library and tested without IPL. To enable this, the supplied IKJEFLD stub should be installed as the logon pre-prompt exit (that is, be link-edited into load module IKJEFLA, replacing the IBM IKJEFLD described in the IBM manual), because our version dynamically links to SETSOLGN each time it is called.

When testing is finished, SETSOLGN should be reassembled as reentrant CSECT IKJEFLD and installed in place of the stub to prevent later illicit substitution from any user-controlled steplib libraries which might be in TSO logon JCL procedures.

On entry, register 1 points to the logon pre-prompt parameter address list as documented in the IBM manual OS/VS2 MVS System Programming Library: TSO (GC28-0629) or later equivalent.

**WARNING:** This sample exit should be fully tested in a test environment before use. It could have considerable impact on security, integrity and performance of the operating system if used incorrectly. In addition, DO NOT use this sample exit in conjunction with the SERIX02 supplied sample; recursive cross memory calls could result in a hang of NC-PASS.

---

## APPC/TCP/IP TLI

The APPC and TCP/IP TLI allows an application to communicate with NC-PASS using the APPC interface.

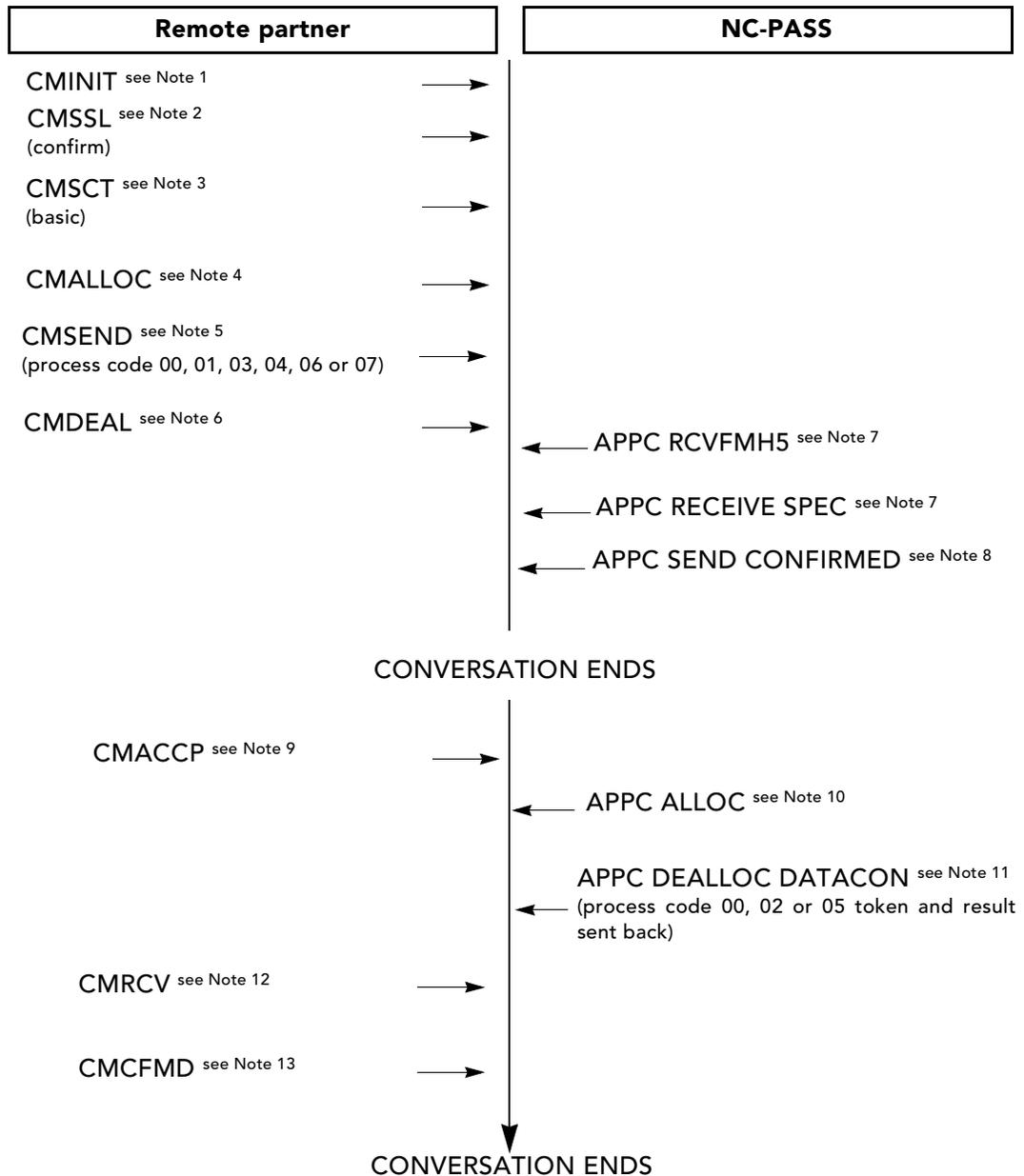
The following APPC/TCP/IP TLI functions are available. Each is identified by a unique process code. The structure of the data is explained in *Data structures* on page 2.19.

Function	Description
Application startup handshake (Process code 00)	This call establishes the session with NC-PASS. This call must be issued before any others.
Request access rights for userid (Process code 01)	This call requests details of the type of authentication or validation, if any, required for a given userid.
Response to request access rights for userid (Process code 02)	In response to a Process code 01 call above, NC-PASS returns details of the authentication or validation data required, if any, for the given userid.
Request for validation/authentication/registration (Process code 03)	This call sends authentication data to NC-PASS (eg a token challenge and response) to verify the information provided.
Request for password change (Process code 04)	This call sends userid and new password information to NC-PASS.
General response to TLI services (Process code 05)	This call from NC-PASS returns the data requested by process codes 03, 04, 06 or 07.
General message request (Process code 06)	This call requests that NC-PASS records a message on its log; it can therefore be used to provide a central audit facility.
Request for P token PIN change (Process code 07)	The PIN for a SecurID Pinpad token is held with the token information on the NC-PASS database. This call requests a change to this information.
Request for Digipass Signature validation (Process code 08)	The Digipass token can be used to allow a verification code, known as the signature, to be transmitted with data to verify the authenticity of the data. This call requests that the signature key generated is returned.

## APPC conversation structure

A simple conversation structure consisting of ALLOCATE, SEND and DEALLOCATE is used to communicate to NC-PASS. ALLOCATE and DEALLOCATE are used to reply to the remote partner.

The following example represents a typical conversation between a remote partner, using IBM's Common Programming Interface Communications specification (CPI-C), and NC-PASS. Explanatory notes are provided on the following page.



**Note:** Session establishment is achieved using the same conversation shown above and must be done before any further conversation can take place. The initial handshake is only required once and is achieved using process code 00. Refer to *Application startup handshake (Process code 00)* on page 2.21 for details of the data structure.

### Remote partner driven

- Note 1** Initialize conversation. A program uses CMINIT to initialize values for conversation characteristics before the conversation is allocated.
- Note 2** Set synchronization level for a given conversation; this is set to CONFIRM for subsequent communication with NC-PASS.
- Note 3** Set conversation type characteristics for a conversation. NC-PASS uses BASIC conversation mode.
- Note 4** A program uses allocate to establish a basic or mapped conversation with its partner program.
- Note 5** Send data. Data is normally buffered and not sent until the DEALLOC. The process code within the data identifies the function requested. Refer to *Data structures* on page 2.19.
- Note 6** A program uses deallocate to end a conversation. The deallocate call can include the function flush or confirm. Any buffered data is sent and because the synchronization level was set to confirm (see Note 2) a CMCFM is issued directly after the data is sent.
- Note 7** CMDEAL results in APPC RCVFMH5 being driven. NC-PASS issues an APPC RECEIVE SPECIFIC and receives the data.
- Note 8** An APPC SEND CONFIRMED is sent from NC-PASS to the remote partner; this completes the conversation. When the remote partner receives this, the CMCFM is satisfied and the DEALLOC completes.

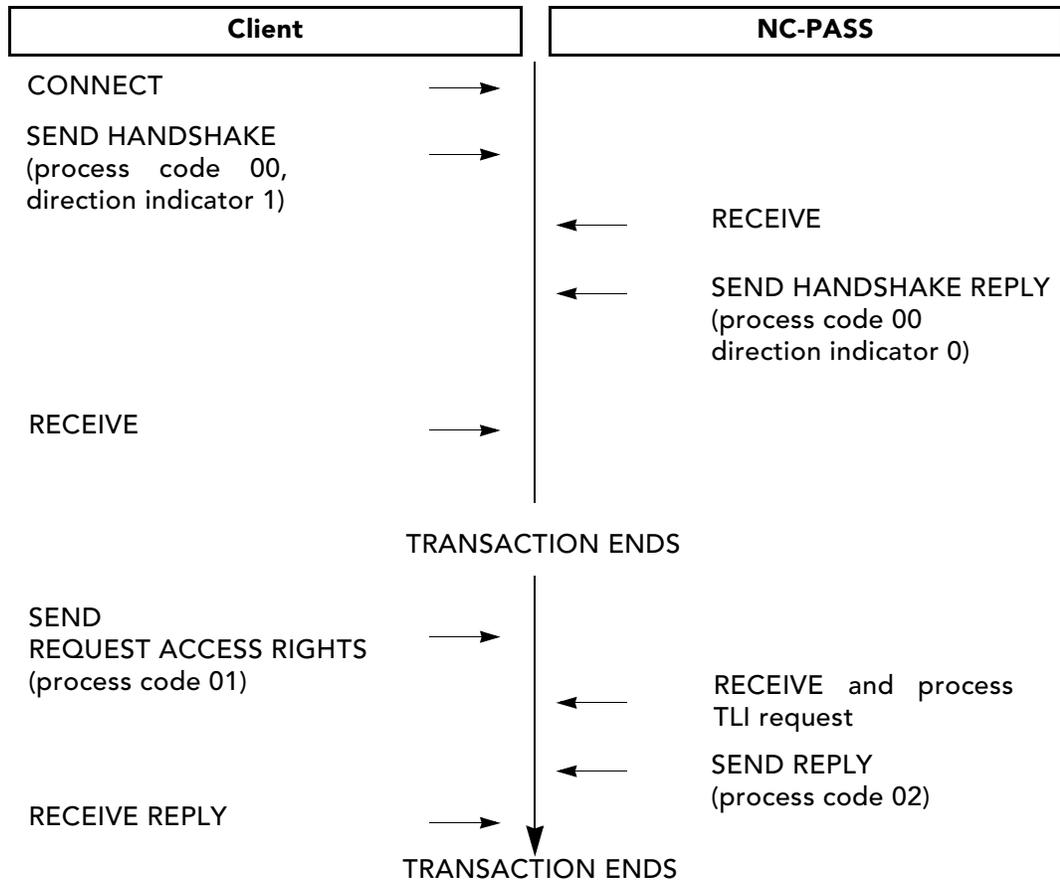
### NC-PASS driven

- Note 9** Accept conversation. The remote partner must be ready to accept a request for a conversation.
- Note 10** APPC ALLOC initiates a conversation.
- Note 11** Send data and a confirm request. The process code within the data identifies the function requested. Refer to *Data structures* on page 2.19. If the confirm request is successful, deallocation completes and the conversation ends.
- Note 12** Receive data and send confirmation.
- Note 13** Confirmed. The remote partner uses confirmed to send a confirmation reply to NC-PASS.

## TCP/IP conversation structure

The Client initiates a TCP/IP conversation by issuing a CONNECT to NC-PASS. The Client then SENDs a handshake to NC-PASS. NC-PASS RECEIVEs this and SENDs a handshake reply which is RECEIVEd by the Client.

After the handshake has completed successfully, the Client can then send and receive TLI calls. For example, in the diagram below, following a successful handshake, the Client SENDs a Request Access Rights for Userid call (process code 01) to NC-PASS, which RECEIVEs the call and SENDs its reply (process code 02) which is RECEIVEd by the Client.



**Note:** You can specify a time-out period after which NC-PASS will terminate a link which is waiting for an acceptable handshake following a Client connection. The default period is 10 minutes. To disable this feature, set the time-out value in SEEXIT60 to 0.

## Data structures

This section describes the required data structure for the various dialogs to allow data flow between NC-PASS and an application using the APPC or TCP/IP protocol.

The examples shown include all defined parameters, each of which is prefixed by a two byte length indicator shown as LL. These are in two byte hex form eg decimal 12 would be x'000C'.

Data is assumed to be in EBCDIC format.

### TLI Request Header structure

The header prefixes every request issued and is structured in the following way:

Field	Data type	Max. length	Description
LL	bin	2	<b>TCP/IP.</b> A 2-byte length indicator containing the length of the entire data string to be sent, including the length of this length indicator. <b>APPC.</b> This length indicator may or may not be required, depending on the application development environment. Check your application development tool documentation.
Chain header	char	2	Contains 'OS'.
Transaction identifier	char	6	A unique numeric transaction id, ie 000123 (x'F0F0F0F1F2F3').
product	char	2	Contains 'SE'.
process code	char	2	The code of the process or function, as described in the remainder of this chapter.

The remaining data comprises the following format:

LL DATA

where LL represents a 2 byte length prefix, in hex, and DATA represents the data, LL bytes in length, for example LL= x'000A' and DATA= 1234567890.

Passwords and token sensitive data are encrypted before transmission and decrypted on reception.

## Length indicator requirement for TCP/IP TLI calls

TCP/IP TLI calls **must be coded with a 2-byte length indicator immediately before the header**. This indicator is the length of the entire data string to be sent, including the length of the length indicator itself.

As TCP/IP does not check the 2-byte length indicator which precedes the header, you must take care when coding this field.

If the length indicator is ...	then...
correct	processing continues.
longer than the data length	NC-PASS expects, and will wait for, additional bytes of data. TCP/IP assumes that it has sent the data packet correctly so no error is produced. NC-PASS will wait indefinitely for the additional data without producing an error. It is the sender's responsibility to ensure that a timeout occurs after a suitable period. The sender can retransmit the data with the correct length indicator if he disconnects and reconnects. An explanatory message will be written to the NCI log provided the trace level is greater than zero.
shorter than the data length	NC-PASS expects the next 4 bytes after the length specified in the indicator, to be the length indicator of the next data string followed by OS from that string's header. This will not be true, therefore the communication is terminated and the socket becomes inactive and available for use by any Client. The sender must amend the data with the correct length indicator and reconnect to NC-PASS before sending it again.
greater than 1024 bytes	NC-PASS terminates the communication, closes the socket and issues audit message CKxx3693. It also writes the first 100 characters of the record to the NCI log.

## Application startup handshake (Process code 00)

This has different formats for requests and replies.

### Request format (Code 00)

Field	Data type	Max. length	Description
Application identifier	char		Contains the application identifier eg PENS01. NCPASS is a reserved prefix.
System identifier	char	8	Contains the remote partner identifier eg CICS001.
Password	char		Contains an optional password, to be checked in EXIT45.
Direction identifier	char	1	Contains a direction identifier set to 1.

### Reply format (Code 00)

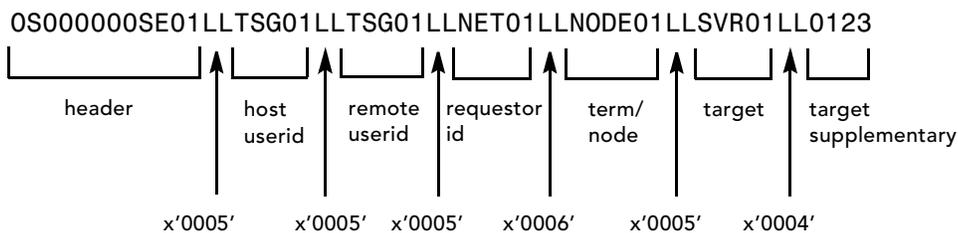
Field	Data type	Max. length	Description
System identifier	char		Contains the system identifier eg NCPASSnnn.
CPU identifier	char		Contains the CPU id.
Password	char		Contains an optional password, provided by EXIT45.
Direction identifier	char	1	Contains a direction identifier set to 0.

## Request access rights for userid (Process code 01)

Field	Data type	Max. length	Description
Host userid	char	8	Contains the userid known to NC-PASS.
Remote userid	char	20	Contains the userid known to NC-PASS.
Requestor id	char	10	Contains the identifier of the requesting system. For example:  CICS            application name. PC platform    the network number to which the workstation is connected.
Terminal/node	char	10	Contains the terminal name or node identifier of the requesting workstation. For example for a remote PC platform running the LAN Server operating system, this is the requester name eg NODE01. For CICS, this is the terminal id.
Target	char	48	Contains the target server or domain or the CICS region.
Target supplementary	char		Contains supplementary target information eg in for a platform running the NetWare operating system, the internal Net number of the server.
Slot name	char	12	Applicable to the ActivCard only. Contains the name of the application to which the call is being made and overrides that, if any, specified in the ActivCard SYSTEM DEFAULTS panel.

### Example data string

An example of a data string for process code 01 is shown below:

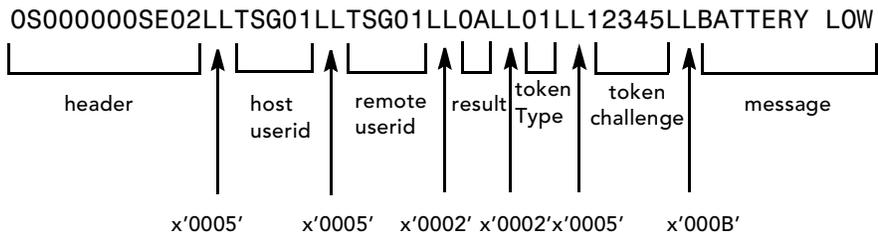


## Response to request access rights for userid (Process code 02)

Field	Data type	Max. length	Description
Host userid	char	8	Contains the userid known to NC-PASS.
Remote userid	char	20	Contains the userid known to NC-PASS.
Result	hex	2	Contains the binary result. The following error codes may be produced:  00 (x'00') no validation, authentication required. 02 (x'02') invalid terminal id. 03 (x'03') invalid login/logon time. 04 (x'04') host user not found. 05 (x'05') self registration required but not enabled. 06 (x'06') no slot available (applies to ActivCard only). 10 (x'0A') token required. 19 (x'13') token required and allow reregistration. 20 (x'14') token and password required. 29 (x'1D') token and password required, allow reregistration. 30 (x'1E') token and registration required. 40 (x'28') token, password and registration needed. 50 (x'32') password only required.
Token type	hex	2	Contains one of the following token types:  0 (x'00') undefined. 1 (x'01') CC1 CRYPTOCARD. 2 (x'02') SK1 SecureNet Key. 3 (x'03') WW1 WatchWord. 4 (x'04') AC1ActivCard. 10 (x'0A') CS1 Safe S220. 11 (x'0B') SDA SecurID standard. 12 (x'0C') SDP SecurID Pinpad. 14 (x'0E') DP1 Digipass.
Token challenge	char	16	Contains the token challenge.
Message	char	296	Contains an optional message string, which can be returned to the requesting workstation for display eg 'Token battery low'.

### Example data string

An example of a data string for process code 02 is shown below:



## Request for validation/authentication/registration (Process code 03)

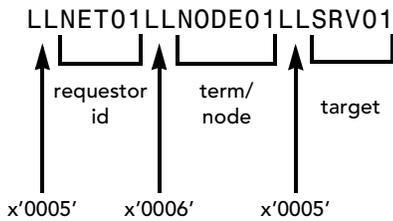
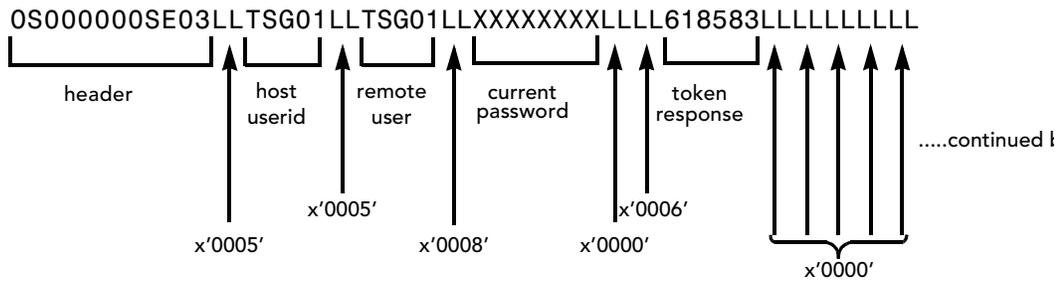
Field	Data type	Max. length	Description
Host userid	char	8	Contains the userid known to NC-PASS.
Remote userid	char	20	Contains the remote partner userid.
Current password	char	8	Contains the password. For NC-PASS partners this will be encrypted, for other partners encryption can be provided through Exit 40.
Token challenge	char	16	Contains the token challenge.  If an ActivCard is being used in internal challenge mode, ie without a challenge, this field is not required and should be left null. If the ActivCard is being used in external challenge mode, this field should be supplied as normal.
Token response	char	16	Contains the token response.
Token serial number	char	16	Contains the token serial number.
Token type	hex	2	Contains one of the following token types:  0 (x'00') undefined. 1 (x'01') CC1 CRYPTOCard. 2 (x'02') SK1 SecureNet Key. 3 (x'03') WW1 WatchWord. 4 (x'04') AC1 ActivCard. 10 (x'0A') CS1 Safe S220. 11 (x'0B') SDA SecurID standard. 12 (x'0C') SDP SecurID Pinpad. 14 (x'0E') DP1 Digipass.
New token challenge	char	16	Contains the token challenge for reregistration.
New token response	char	16	Contains the token response for reregistration.
P card PIN	char	8	Contains the Pinpad token PIN for registration or reregistration. For NC-PASS partners this will be encrypted, for other partners encryption can be provided through Exit 40.
Requestor id	char	10	Contains the identifier of the requesting system. For example for NetWare this could represent the NET number to which the workstation is connected, for LAN Server, this could be the workstation's home domain eg NET01.
Terminal/node	char	10	Contains the terminal name or node identifier of the requesting workstation. For LAN Server, this is the requester name eg NODE01. For CICS, this is the terminal id.
Target	char	48	Contains the target server or domain for the login/logon eg SVR01.
Target supplementary	char		Contains supplementary target information eg in NetWare the internal Net number of the server eg 0123.

Field	Data type	Max. length	Description
Slot name	char	12	Applicable to the ActivCard only. Contains the name of the application to which the call is being made and overrides that, if any, specified in the ActivCard SYSTEM DEFAULTS panel.

**Note:** If registration is not required, the serial number and token type fields will not be defined and are passed as zero length.

**Example data string**

An example of a data string for process code 03 is shown below:

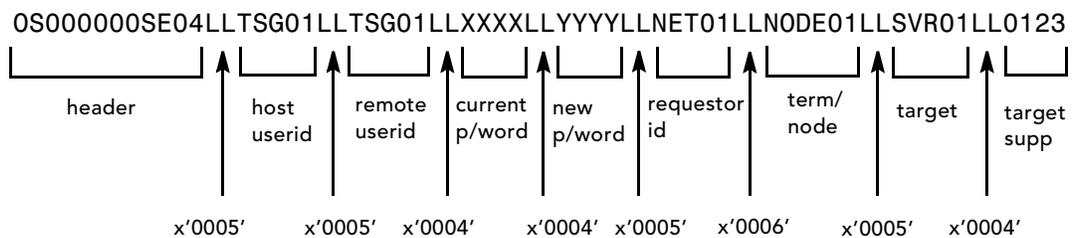


## Request for password change (Process code 04)

Field	Data type	Max. length	Description
Host userid	char	8	Contains the host userid.
Remote userid	char	20	Contains the remote partner userid.
Current password	char	8	Contains the password. For NC-PASS partners this will be encrypted, for other partners encryption can be provided through Exit 40.
New password	char	8	Contains the password. For NC-PASS partners this will be encrypted, for other partners encryption can be provided through Exit 40.
Requestor id	char	10	Contains the identifier of the requesting system. For example for NetWare this could represent the NET number to which the workstation is connected, for LAN Server, this could be the workstation's home domain eg NET01.
terminal/node	char	10	Contains the terminal name or node identifier of the requesting workstation. For LAN Server, this is the requester name eg NODE01. For CICS, this is the terminal id.
Target	char	48	Contains the target server or domain for the login/logon eg SVR01.
Target supplementary	char		Contains supplementary target information eg in NetWare the internal Net number of the server eg 0123.

### Example data string

An example of a data string for process code 04 is shown below:

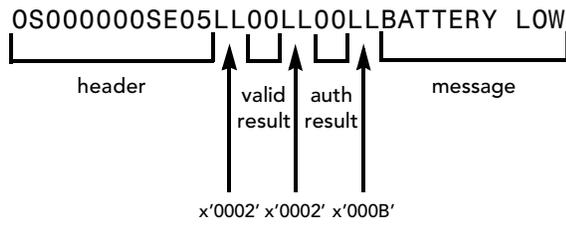


## General response to TLI services (Process code 05)

Field	Data type	Max. length	Description
Validation result	hex	2	<p>Contains one of the following validation return codes:</p> <ul style="list-style-type: none"> <li>00 (x'00') validation successful.</li> <li>02 (x'02') invalid terminal id.</li> <li>03 (x'03') invalid login/logon time.</li> <li>04 (x'04') unknown userid.</li> <li>05 (x'05') validation successful (with RACF PassTicket).</li> <li>06 (x'06') no slot available (applies to ActivCard only).</li> <li>10 (x'0A') invalid password.</li> <li>20 (x'14') password expired.</li> <li>30 (x'1E') new password invalid.</li> <li>40 (x'28') PIN change required.</li> <li>50 (x'32') other rejection.</li> </ul>
Authentication result	hex	2	<p>Contains one of the following authentication return codes:</p> <ul style="list-style-type: none"> <li>00 (x'00') authentication successful.</li> <li>10 (x'0A') authentication failed.</li> <li>20 (x'14') registration failed.</li> <li>30 (x'1E') reregistration failed.</li> <li>40 (x'28') PIN change failed (unassigned token).</li> <li>41 (x'29') incorrect token type.</li> <li>42 (x'2A') PIN change failed.</li> <li>50 (x'32') authentication not checked.</li> </ul>
Message	char	80	<p>Contains optional message string, which can be returned to the requesting workstation for display eg 'Token battery low'.</p> <p>If you are using a Digipass token which has been set up to use host validation keys, this field will be set to HOST KEY, indicating the presence of a key. This field will be omitted if the token has not been set up to use host validation keys.</p>
Host userid	char	8	Contains the userid known to NC-PASS.
Remote userid	char	20	Contains the userid known to NC-PASS.

### Example data string

An example of a data string for process code 05 is shown below:



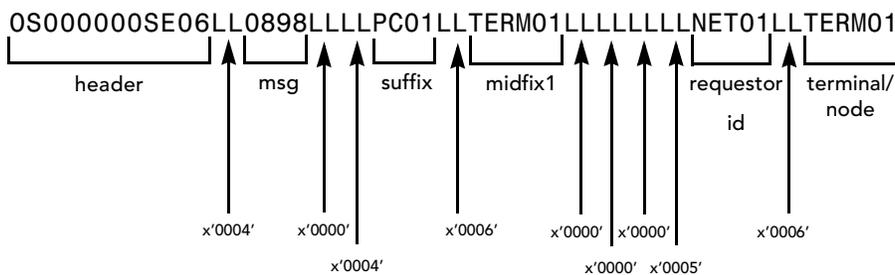
## General message request (Process code 06)

Field	Data type	Max. length	Description
Message	char		Contains either message text or an NC-PASS message number.  If you specify a number, the message will be generated from the NC-PASS message file with a prefix, suffix and midfixes as shown.
Prefix	char		
Suffix	char		
Midfix1	char		If the message field contains text, these fields will be ignored, but must be coded with length 0.
Midfix2	char		
Midfix3	char		
Midfix4	char		
Requestor id	char	10	Contains the identifier of the requesting system. For example for NetWare this could represent the NET number to which the workstation is connected, for LAN Server, this could be the workstation's home domain eg NET01.
terminal/node	char	10	Contains the terminal name or node identifier of the requesting workstation. For LAN Server, this is the requester name eg NODE01. For CICS, this is the terminal id.

### Example data strings

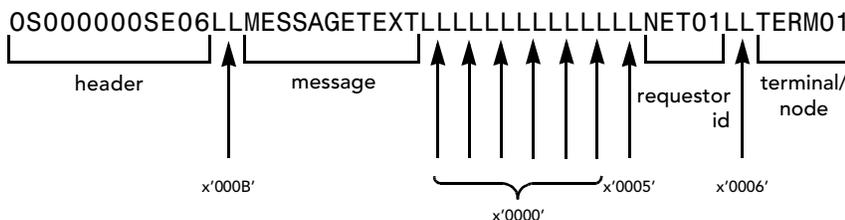
Process code 06 can specify either an NC-PASS message number or a message string. Two examples are provided below.

An example of a data string using an NC-PASS message number for process code 06 is shown below.



This will take NC-PASS message CKSE0898-8 TERMINAL *termid* LOCKED BY *userid*, replace *termid* with midfix1, replace *userid* with suffix and record the message on the NC-PASS log.

An example of a data string using message text for process code 06 is shown below.

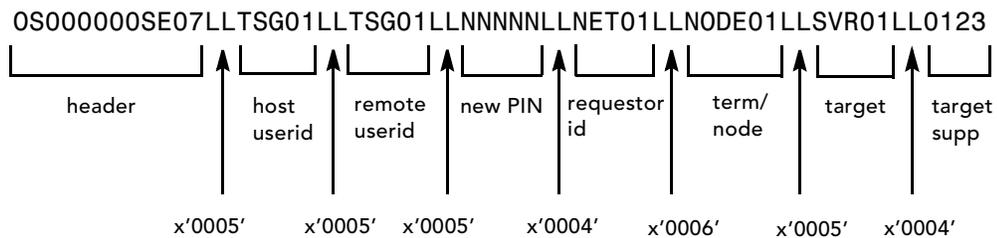


## Request for P card PIN change (Process code 07)

Field	Data type	Max. length	Description
Host userid	char	8	Contains the host userid.
Remote userid	char	20	Contains the remote partner userid.
Token response	char	16	Contains the token response.
New PIN	char	8	Contains the new PIN number. For NC-PASS partners this will be encrypted, for other partners encryption can be provided through Exit 40.
Requestor id			
Terminal/node	char	10	Contains the terminal name or node identifier of the requesting workstation. For LAN Server, this is the requester name eg NODE01. For CICS, this is the terminal id.
Target	char	48	Contains the target server or domain for the login/logon eg SVR01.
Target supplementary	char		Contains supplementary target information eg in NetWare the internal Net number of the server eg 0123.

### Example data string

An example of a data string for process code 07 is shown below:

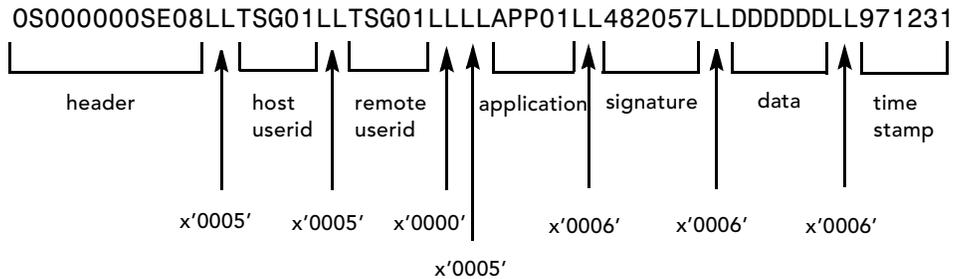


### Digipass signature validation (Process code 08)

Field	Data type	Max. length	Description
Host userid	char	8	Userid on host.
Remote userid	char	20	Userid on host.
Network id	char	10	Requesting system id. This is only required if the host userid is not supplied.
Application	char	10	Application name as defined by Digipass token. If not supplied, the default name defined in NC-PASS will be used or all records searched.
Signature	char	6	Key generated by Digipass token from data.
Data	char		Data used to generate signature as entered into Digipass token. This can only be numbers entered in blocks of up to 12 digits. If more than one block is used they must be separated by a CR (x'0D).
Time stamp	char	6	The time of signature generation in the form YYYYMMDD. Only required if validation is more than 22 hours after signature generation.

#### Example data string

The following data string is an example of APPC format:



## Audit (APPC/TCP/IP TLI)

The following messages will be output from a TLI call:

```
CKxx3047 PROCESSING TLI REQUEST (FUNC=function)
CKxx3048 TLI PROCESSING COMPLETED (FUNC=function RC=rc)
```

where:

*function* is the TLI function process code as described on page 2.15.  
*rc* is either in the format *aa* or *bb/cc* as follows:

### RC=*aa* format

0 No validation/authentication needed  
2 Invalid terminal  
3 Invalid login time  
4 Userid not defined to NC-PASS  
10 Token required  
19 as above plus warning message  
20 Token and password required  
29 as above plus warning message  
30 Token plus registration required  
40 as above plus password  
50 Password only required

### RC=*bb/cc* format

<b>bb</b> (from password and time checks)	<b>cc</b> (from token authentication)
00 Valid	00 Authentication passed
03 Invalid login time/date	10 Authentication failed
04 Userid not found	20 Registration of token failed
10 Password invalid	30 Replacement registration failed
20 Password valid but expired	50 not checked
50 Other error from password routine	

## TCP/IP action tracing

If you set the trace level to 7 or above, the NCI log may show a TCP/IP activity as being scheduled after it completed. This is due to TCP/IP processing the actions and logging asynchronously. Data integrity, for example the return codes in the scheduled and completed actions, is maintained.

---

## Backward compatibility

The previous XMS TLI interfaces SEXMNCI, SEXMTO and SEXMOS together with the SEXM macro will continue to be supported but will not be enhanced and may be withdrawn in a future release.

The following table lists the interfaces and the NC-PASS 2.0 functions together with the equivalent NC-PASS 1.4 function:

<b>NC-PASS 2.0 interfaces</b>	<b>NC-PASS 1.4 interfaces</b>	
SEXMITNC	SEXMNCI	
SEXMITTS	SEXMTO	
SEXMITOS	SEXMOS	
SEXMIT macro	SEXM macro	

<b>NC-PASS 2.0 function</b>	<b>NC-PASS 1.4 function</b>	<b>Description</b>
FUNCTION=AUTH	P1=1	Authenticate using data given.
FUNCTION=MESSAGE	P1=2	Request NC-PASS to issue a message.
FUNCTION=TIME	P1=3	Authentication time check.
FUNCTION=LOGON	P1=4	Authentication using the same logic as for a logon.
FUNCTION=CHECK	P1=5	Check result of TLI function that used MHO.
FUNCTION=VSSE	P1=6	Interface to NC-PASS VSSE processing.
FUNCTION=REQUEST	no equivalent	Extracts the authentication/validation requirements for a userid.
FUNCTION=NPASS	no equivalent	Performs a password change.
FUNCTION=NPIN	no equivalent	Performs a PIN change (SecurID Pinpad token).

The new programs have additional functions. You are advised to review all of them when converting.

## Chapter 3 - Administration file backup and recovery

Recovery system overview .....	3.2
Using the backup recovery facility .....	3.4
Backup .....	3.5
Recovery .....	3.5

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## Recovery system overview

The backup and recovery system provides a facility to re-create the ADMINDB file in the event of a disaster and subsequent loss of data.

The ADMINDB file can only be recovered to the point directly before the loss occurred. Selective recovery is not supported.

The system involves on-line and batch activities.

When the NC-PASS recovery facility is enabled by the RECOVERY-ON and BACKUP-WAIT startup options, NC-PASS opens the first available Transaction LOG file (TLOG1 or TLOG2). Every time a KSDS record is updated in the ADMINDB file, a record of the event is recorded in the Transaction LOG.

If NC-PASS is stopped and restarted, the logging of updates continues as long as the recovery system is specified.

At any time, the administrator or operator may check the status of the recovery system by displaying the TRANSACTION LOGGING STATUS panel (2.3). This panel provides the following information:

- whether the recovery system is ON or OFF

and, if the system is ON

- which of the two Transaction LOG files is in use.

If file TLOG1 is in use, all is well.

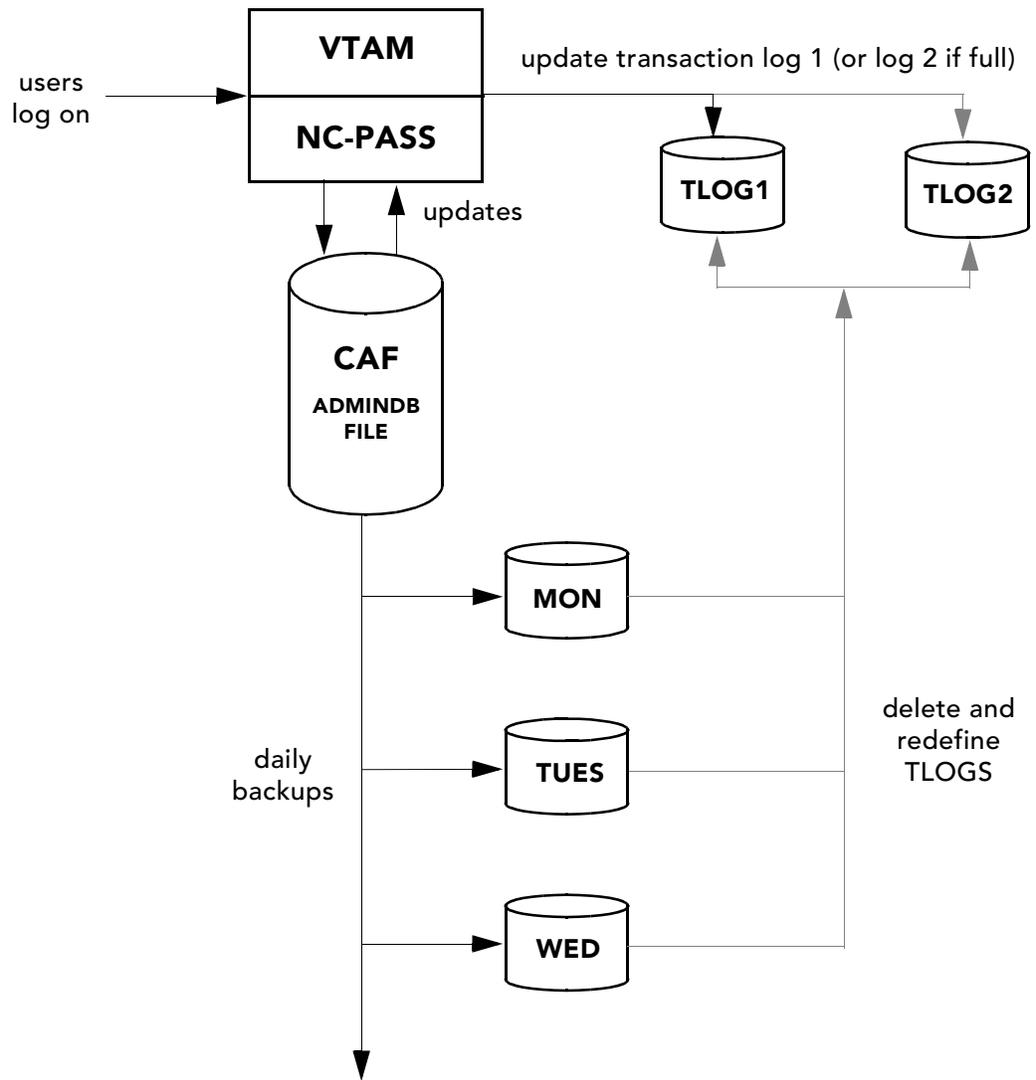
File TLOG2 however is an overflow file and if this is in use a backup of the ADMINDB file should be taken as soon as possible. When a TLOG file fills up NCPASS issues an appropriate message.

**IT IS STRONGLY RECOMMENDED THAT A BACKUP OF THE ADMINDB FILE BE TAKEN ON A REGULAR BASIS AND THAT THE TLOG FILES ARE EMPTIED.**

If the overflow Transaction LOG file fills up and further updates are made to the ADMINDB file, recovery to the current position is no longer possible.

The size of the two transaction logs should be adjusted against the frequency of the backup to avoid TLOG2 becoming full.

The following diagram outlines backup recovery processing.



---

## Using the backup recovery facility

The following preparations must be made before starting NC-PASS.

1. Two additional DD statements, for TLOG1 and TLOG2, must be included in the JCL for NC-PASS. Sample member PASSJCL includes these additional DD statements.
2. The two following startup options must be included in the JCL for NC-PASS:
  - RECOVERY-ON=YES
  - BACKUP-WAIT=*nn*

where:

*nn*

is the BACKUP-WAIT time specified in seconds. When the operator has submitted the backup JCL, the backup job will wait until the ADMINDB file has been de-allocated from NC-PASS by the administrator using the BACKUP panel (2.2). It does so because the ADMINDB file is given DISP=OLD in the backup JCL and the console message IEF099I JOB XXXXXXXX WAITING FOR DATA SETS will be issued on submission of the job. When the file has been de-allocated from NC-PASS, the BACKUP-WAIT period of *nn* seconds will occur before a continuous attempt is made (every second) to reallocate the file to NC-PASS. As soon as the backup ends, the ADMINDB file is freed and reallocated to NC-PASS. Default is 30 seconds.

3. Create a set of files or Generation Data Group files to receive backup copies of the ADMINDB file, or incorporate into the existing backup procedures.
4. Define two VSAM ESDS files (TLOG1 and TLOG2) to receive details of amendments between backups of the ADMINDB file. These files will be known as the Transaction LOG. The sample member TLOGVSM defines these files.
5. Take a backup copy of the ADMINDB file; a daily backup is suggested.

## Backup

While the backup is running, NC-PASS I/O processing stops. This is, however, designed to have minimal effect on users.

There should be no interruption to sessions, but if a user is trying to log on, he/she will have to wait until the backup has completed. Administration activities will also have to wait.

The sample member TBACK provides JCL for backup use and can be found in library \*PREFIX\*.SOURCE.

### Performing the backup

Regardless of the share options with which the CAF is defined, the backup procedure will ensure maximum security.

Depending on the share options, it may not be necessary to access the BACKUP panel (2.2). However, this is advised as running the backup ensures that any buffers in use are updated to the CAF.

To perform a backup of the ADMINDB file, the operator submits the backup JCL. The first response from the system will be the WAITING FOR DATASETS message. This is because the ADMINDB file is still allocated to NC-PASS.

The operator must inform you that the backup is waiting to run. You can then permit backup processing by entering Y in the BACKUP panel.

On successful completion of the backup procedure, the Transaction LOG is deleted and reallocated and normal processing continues. The next update to the ADMINDB file will be recorded as the first new entry in the Transaction LOG.

## Recovery

The recovery procedure requires NC-PASS to be stopped. This release of the recovery system provides for disaster recovery only and it is assumed that the ADMINDB file can no longer be read. If the file can still be read, a copy should be taken.

Recreate a CAF from the latest backup available and run the recovery procedure against that database. A sample member TRECOV provides JCL for this purpose and can be found in library \*PREFIX\*.SOURCE. This reads the Transaction LOG and processes its entries against the restored ADMINDB file to complete the recovery.

On completion, a success or failure message is issued. The only anticipated cause of failure is that of the Transaction LOG files being processed against the incorrect ADMINDB file.

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## Chapter 4 - Customization

Logos .....	4.2
Logo panel selection .....	4.2
Supplied NC-PASS logo panels .....	4.3
Logo tailoring .....	4.5
Loading a customized logo panel .....	4.6
Additional panels .....	4.7
CA-Top Secret random password support .....	4.8
LU1 support .....	4.9
Specifying input fields for LU1 terminals .....	4.9
Using variable &ldata .....	4.11
Example of the use of keywords .....	4.11
Notes on LU1 terminals .....	4.11
Administration panels .....	4.12
Header .....	4.13
Footer .....	4.13
Menus .....	4.14
The default NC-PASS menu structure .....	4.14
Customizing menus .....	4.17
Supplied PROCEDURE fields .....	4.21
Copying menu definitions .....	4.24
Defining a new menu .....	4.24
Restricting access to specific menu options .....	4.24
Defining application menus .....	4.25
Logoff options .....	4.27
User written menu options .....	4.28
Displaying the menu/panel id .....	4.28
Customizing NC-PASS WTO messages .....	4.29
Reason for customization .....	4.29
How to include the NC-PASS literal .....	4.29
Default setting .....	4.29
Examples .....	4.29
Using the Computer Misuse Act 1990 facility .....	4.30

## Logos

The default NC-PASS logo panel as supplied on the distribution tape is panel ESE0052 as shown below. Other panels are available and may be used as required.

```
Date:12/12/1997                               Userid:TSG0001
Time:15:18:40                                 Terminal:A01MS262

||  ||  |||||  |||||  |||||  |||||  |||||  ||||| | | | |
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*****
*           Personal Authentication Security System (V2.0).           *
*       Developed by C.K.S. (IBM VTAM network software solutions).       *
*****

USERID =>           PASSWORD =>           NEW PASSWORD =>
```

### Logo panel selection

To select a panel for the NC-PASS logo, complete one of the following:

1. Alter the NCI Terminal Definition Table (TDT) to specify the selected logo panel name.  
*OR*
2. Copy the chosen logo to default panel ESE0052 (last character represents the terminal model type).  
*OR*
3. Alter the NCI Terminal Definition Table (TDT) to specify panel ESE0032 (this will point to the terminal profiles file). Access the TERMINAL PROFILE MAINTENANCE panel through option 6.1 of the NC-PASS AUTHENTICATOR MENU and define the selected logo panel name for the required terminal(s).

**Note:** If a panel is not defined for the required terminal(s) in the TERMINAL PROFILE MAINTENANCE panel, then panel ESE0032 will be displayed instead of a logo panel.

All the logo panel names provided on the distribution tape are listed in the tables on the following pages. The input requirements of each panel are indicated by an asterisk (\*) in the appropriate row and column.

## Supplied NC-PASS logo panels

NC-PASS is distributed with a wide variety of sample logos. If you wish to make use of any of these logos, it is recommended that you create your own small panel library and concatenate this library with your NC-PASS JCL. This will allow simple and smooth maintenance updates. (When the maintenance libraries are created, they can be switched without impacting your customizations.) It should be noted that fixes may be applied to logos, and therefore before starting NC-PASS, browse the maintenance copies of the relevant panels and if they have been changed, either make the same changes or re-customize the maintenance copies.

**Note:** If you are converting from NC-PASS v1.3, you will have to re-customize your logo.

All supplied NC-PASS logo panel names have one of three suffixes to specify the type of terminal device on which the logo is to be displayed. The suffixes are:

- 0 - logo for LU1 devices
- 1 - logo for model 1 terminals
- 2 - logo for model 2 terminal

The following table shows the input requirements for each of the available logo panels provided by NC-PASS.

Sample Panels	Valid suffixes (model types)	Userid	Password	New password	Node	PRN	Challenge Response	Appl	SPIN	NPIN	Other data
ESE005	0,1,2	*	*								
ESE710	1,2	*	*								
ESE712	1,2	*	*	*							
ESE713	1,2	*	*	*	*						
ESE714	1,2	*	*					*			
ESE715	1,2	*	*		*						
ESE720	1,2	*	*		*						
ESE721	1,2	*	*	*							*
ESE722	1,2	*	*	*		*					
ESE723	1,2	*	*	*	*	*				*	
ESE727	0,1,2	*	*	*	*	*		*			
ESE728	0,1,2	*	*	*	*						*
ESE730	1,2	*	*				*				
ESE735	1,2	*	*		*		*				
ESE740	0,1,2	*	*	*	*		*	*			
ESE750	0,1,2	*	*	*	*			*	*	*	*
ESE751	1,2	*	*	*	*		*	*			
ESE760	1,2										*
ESE762	0,1,2	*									
ESE770	1,2	*	*			*					

Sample Panels	Valid suffixes (model types)	Userid	Password	New password	Node	PRN	Challenge Response	Appl	SPIN	NPIN	Other data
ESE771	0,1,2	*	*	*	*	*		*			*
ESE775	1,2	*	*			*	*				
ESE776	0,1,2	*	*	*	*	*	*	*			*

## Logo tailoring

The central portion of all logo panels is contained in member ESELOGO. The attribute settings are in @SEATTRL.

To customize a panel to your own requirements, copies of each of the two members should be taken prior to modification. Changes can then be made without restriction except that the length of ESELOGO (14 lines) must **not** be altered.

Customized panels may also be created using the ESE7xx series as models (having first ensured that copies are made). Panel names ESE750 to ESE790 are reserved for building customized panels in this way.

In the INIT section of a panel, the routine @SE005I will cause a random number to be generated each time the panel is processed. The keyword CHALL may be passed to the routine to generate a 7 digit Watchword challenge, and the keyword SKCHALL passed to generate an 8 digit SecureNet challenge. Both options are shown below.

```
EXEC @SE005I CHALL
```

```
EXEC @SE005I SKCHALL
```

The random number will be continuously displayed in the 'challenge' field for the duration of the logon procedure.

Keywords passed to routine @SE005P in the PROC section of a panel determine which fields are to be entered at the logo panel by the user. For example:

```
EXEC @SE005P USID PASS PRN
```

will establish that a userid, password and SecurID pseudo random number should be entered at the logo. Keywords that can be passed on the exec of @SE005P are as follows:

- APPL - logon application (This routes the user to the desired application at logon (connect data must specify APPL))
- USID - userid
- PASS - password
- NPASS - new password
- PRN - SecurID pseudo random number
- CHALL - Watchword/SecureNet challenge
- RESP - Watchword/SecureNet response
- LDATA - user connect data (only ADMIN is relevant)
- NODE - in a multi-host environment this indicates where validation will take place
- SPIN - Safe S220 session PIN
- NPIN - Safe S220 new PIN
- NSPIN - Safe S220 new session PIN

## Loading a customized logo panel

When a new logo panel has been created, the panel can be specified as the current logo by one of the following procedures:

1. If the panel has been created as a new member, amend the Terminal Definition Table (TDT) to include the new panel name. The dataset for the TDT is defined in the JCL for the system.

The TDT is updated by selecting option 5 from the TERMINAL ADMINISTRATION menu (6) and by entering the new panel name after the option number as follows:

Option => 5 *panelname*

2. If the current panel member has been modified (ie a new panel member has *not* been created), delete the previous version of the panel from memory by selecting option 7 from the SYSTEM ADMINISTRATION menu (1) and by entering the panel name after the option number as follows:

Option => 7 *panelname*

The next time a session is started, the new modified logo will be loaded. In this case, as the member name has not changed, the TDT will not require updating.

3. A new panel member can also be specified as the current logo for specific terminals by accessing the TERMINAL PROFILE MAINTENANCE panel (6.1) and specifying the new panel name in the PANEL column against the required terminal(s).

**Note:** Panel ESE0032 must be specified in the TDT dataset for any terminals which appear in the TERMINAL PROFILE MAINTENANCE panel.

**WARNING:** The customization of panels such as the logo panel should be performed with care. In a production environment where all terminals are LOGAPPLd to NC-PASS, and possibly the VTAM exits enabled, if the logo panel is changed and this includes a coding error, NCI will be unable to build the logo. Access to VTAM may not then be possible without a restore of the logo.

To avoid this problem, a changed logo should always be tested on another terminal while you are still logged on. Alternatively, use the TDT to point an individual terminal at a test logo.

## Additional panels

If the logo defined for a terminal does not provide the necessary input fields to validate a user according to the user's profile, NC-PASS will display one or more additional panels to gather the necessary information. For example, if the default logo is ESE710, the keywords provided for the exec of @SE005P are USID and PASS. The user is therefore required to input a userid and password.

If a user using a Watchword, CRYPTOCARD or SecureNet token logs on at this logo, it will be followed by panel ESE414 displaying a challenge number and prompting for a response.

If a SecurID user logs on at the same logo, it will be followed by panel ESE424 prompting for a PRN.

If a Digipass user logs on at the same logo, it will be followed by panel ESE464 prompting for a KEY.

The additional panels which can be displayed by NC-PASS are shown in the table below. The information gathered in each case is indicated by an asterisk in the appropriate column.

Additional Panels	Userid	Password	New password	Challenge Response	Node	PRN	SPIN	New PIN	KEY
ENC006			*						
ESE270					*				
ESE290		*							
ESE414				*					
ESE424						*			
ESE431								*	
ESE434							*		
ESE464									*
ESE474						*			
ESE477						*			
ESE700	*								



---

## LU1 support

The following panels are used to gather the necessary information to validate a user at logon at an LU1 terminal.

ESE0050, ESE7250, ESE7270, ESE7500

These are main logos, and one of these panels should be defined in the TDT as the initial panel for display at LU1 terminals. If required, the panel can be altered to suit individual site requirements.

ESE2900

This is a default panel to capture a password and optionally a new password.

ESE0060

This is a new password entry/verification panel, displayed when a user enters a new password or his current password expires.

ESE0100

This panel displays warning messages associated with tokens.

ESE4240

This is a default panel to capture a SecurID Pseudo Random Number (PRN).

**Note:** The last character of the panel name for LU1 panels is 0. (2 indicates a model 2 panel.)

### Specifying input fields for LU1 terminals

An LU1 device only allows data to be entered as a single string. If different types of data are to be recognized within a string, some form of structure must be applied to it. NC-PASS expects each data element in the string to be separated by a single character, and therefore panel input will be in the following format:

XXXXX-XXX-XXXXXXXX-XXX.....etc.

where X indicates a data element and - indicates a separator.

The interpretation of the data elements (for instance to determine if the first element is a password or userid) is determined by keywords passed to the routine @SE005P, which is executed in the PROC section of the main logo panels.

Keywords which can be passed to routine @SE005P are

- USID meaning userid
- PASS meaning password
- NPASS meaning new password
- PRN meaning pseudo random number
- LDATA meaning logon data
- APPL meaning application nodename
- CHALL meaning Watchword/SecureNet challenge
- RESP meaning Watchword/SecureNet response
- UDATA meaning userdata (only ADMIN is relevant)
- NODE meaning the node where validation will take place (in a multi-host environment)
- SPIN meaning Safe S220 session PIN
- NPIN meaning Safe S220 new PIN
- NSPIN meaning Safe S220 new session PIN

These keywords tell the system which data can be entered on the main logo and in which order it will be entered. Thus

EXEC @SE005P PASS USID

indicates that the first data element in the input string is a password and the second element is a userid.

The character used to separate the data elements is determined by the contents of the variable *&ilu1sep*. This can be set in the INIT section of the main logo panel (eg ESE0050). The default character is /.

The table below provides a summary of the effect on three panels in the logon procedure by using different combinations of keywords. Each column in the table shows a different combination of keywords and a corresponding panel sequence. The user logging on is assumed to have been defined to use a password and a SecurID token. The three panels used for the logon procedure are a main logo panel ESE0050, and default panels ESE2900 and ESE4240. The default panels will only be inserted into a logon transaction if the data they capture is required by virtue of the users profile definition and could not have been defined on the main logo by keywords.

KEYWORDS:	USID	*	*	*	*
	PASS		*		*
	PRN			*	*
<hr/>					
PANELS:	ESE0050	*	*	*	*
	ESE2900	*		*	
	ESE4240	*	*		

## Using variable *&ldata*

Variable *&ldata* is used by the LU1 panels and is used to pass data entered at panel ESE0050 to an XF application. NC-PASS will set data entered at the logo panel into this variable if the keyword LDATA is specified.

NC-PASS does not process data contained in this variable. For instance, it cannot be used to pass cinit data to applications specified in the connect data for a given user. If however an exec routine is specified in the connect data, it is possible for the exec routine to use the variable to provide cinit data for an application, or possibly to provide the name of the application to connect to.

## Example of the use of keywords

The main logo panel ESE7270 is provided on the NC-PASS installation tape with the following keywords

```
USID PASS NPASS PRN NODE LDATA APPL
```

The variable *&lu1sep*, as provided on the installation tape, is set to */*.

The input string expected by the system is therefore

```
userid/password/new password/prn/nodename/logon data/application
```

If the user is not required to (or does not want to) supply one or more of the data elements, these can be omitted. For instance:

```
userid/password//prn
```

is acceptable input, as is:

```
userid
```

```
userid/password
```

```
userid///prn
```

```
userid/////logon data
```

```
userid//new password///logon data
```

for each one of the data elements omitted, the separator character(s) must still be coded, but only if data elements occur later in the string.

## Notes on LU1 terminals

The TDT must define one of the main logo panels as the initial panel to be displayed on LU1 terminals.

The following two demonstration panels for use on LU1 terminals are provided on the installation tape

```
SELU1EXE
```

```
SELU1PAN
```

These will be found in the distributed panel library. To use them, define the connect data for an NC-PASS user to execute routine SELU1EXE. The next logon at an LU1 terminal will provide panel SELU1PAN.

---

## Administration panels

NC-PASS administration panels have standard headers and footers as shown in the example panel below.

```
Date:12/12/1997          NC-PASS 2.0 AUTHENTICATOR          Panel:SEMENU00
Time:08:15                                     Terminal:A01MS242

      Option => _____

                1 System Administration
                2 Operator Function menu
                3 Browse System Log
                4 Cross System Communications
                5 User profile Administration
                6 Terminal Administration
                7 VSSE options
                8 Token Administration

F1=Help  F3=End  F7=Up  F8=Down
```

The header has two lines of data, and the footer has three lines of data (including a message line) which can be customized to suit your requirements. This facility provides for easy transition to CUA compatible headers and footers.

Changes to headers and footers are made by editing the header and footer members in the panel library. These members are copied into the body section of a panel every time the panel is built (ie when it is first accessed after NC-PASS startup). The contents of the header and footer members in the distributed panel library are shown on page 4.13.



## Menus

The id of the initial menu to be displayed when a user logs on is determined by an entry in the user's profile. (Refer to the Administration Manual, Volume 1, *Chapter 3 - Controlling user access.*) Subsequent menus accessed by the user are provided through options on the initial menu.

All menus described in this manual are the default menus which are distributed with NC-PASS. If menus other than the default menus are to be accessed by the user, the default menus can be copied and subsequently changed, or completely new menus defined to suit your own requirements.

### The default NC-PASS menu structure

This chapter describes the NC-PASS menus and explains their operation.

The complete structure of NC-PASS menus and associated panels is shown in the following table. These are the default menu layouts as supplied with NC-PASS, and may be customized to suit your requirements.

PANEL	PANEL NUMBER
NC-PASS AUTHENTICATOR (SEMENU00)	
1. System administration (SEMENU08) <ul style="list-style-type: none"> <li>1.1. General system options</li> <li>1.2. Logon defaults</li> <li>1.3. Message maintenance menu (SEMENU10)               <ul style="list-style-type: none"> <li>1.3.1. Message routing</li> <li>1.3.2. Automatic message processing</li> <li>1.3.3. Reset escalated terminals/users</li> <li>1.3.4. NCI log control</li> <li>1.3.5. Archive file control</li> <li>1.3.6. Select archive and SMF messages Browse selected archive messages</li> </ul> </li> <li>1.4. Report production menu (SEMENU14)               <ul style="list-style-type: none"> <li>1.4.1. Log on statistics-summary by date</li> <li>1.4.2. Log on statistics-full report</li> </ul> </li> <li>1.5. Keyword definitions Keyword assignment</li> <li>1.6. VTAM printer definitions</li> <li>1.7. Delete panel from storage</li> <li>1.8. List menu definitions Menu definition maintenance Delete confirmation</li> <li>1.9. Toggle userid/panelid title display</li> </ul>	ESE2402 ESE2412 ESE5102 ESE5202 ESE5252 ESE5152 ESE5162 ESE5052 ESE5062 ESE1472 ESE1482 ESE8502 ESE8522 ESE5092 ESE1702 ESE1722 ESE1712
2. Operator function menu (SEMENU09) <ul style="list-style-type: none"> <li>2.1. System shutdown</li> <li>2.2. Backup</li> <li>2.3. Transaction logging status</li> <li>2.4. System monitor - general information               <ul style="list-style-type: none"> <li>System monitor - storage use</li> <li>System monitor - VSM storage</li> <li>System monitor - logging options</li> </ul> </li> <li>2.5. Trace options</li> <li>2.6. SecurID synchronization</li> <li>2.7. SecurID system defaults</li> <li>2.8. Reset drift factor for SecurID cards</li> </ul>	ESE3902 ESE1302 ESE1202 ENC8002 ENC8012 ENC8022 ENC8032 ENC9332 ESE1402 ESE4222 ESE2102
3. Browse system log Browse NC-PASS log Browse NCILOGn	ESE5302 ENC9322

PANEL	PANEL NUMBER
4. Cross system communications (SEMENU16) 4.1. Cross system communications - host 4.2. Links to other systems 4.3. APPC Link Status 4.4. Remote administration options 4.5. MHO transmission log 4.6. TCP/IP Host Functions 4.7. TCP/IP sockets	ESE9502 EXS2052 ESE8102 EXS2102 EXS2122 EXS2162 EXS2172
5. User profile maintenance menu (SEMENU02) 5.1. Define a new user profile Profile detail for <i>user</i> Connect definition for <i>user</i> List tokens panels (as per option 1) 5.2. Change a user profile Profile detail for <i>user</i> Connect definition for <i>user</i> List tokens panels (as per option 1) 5.3. Delete a user profile Confirm profile deletion 5.4. Display a user profile Profile detail for <i>user</i> Connect definition for <i>user</i> List tokens panels (as per option 1) 5.5. List users 5.6. Userid risk profile 5.7. Date and time definitions Date and time definition <i>definition</i> 5.8. Process locked user 5.9. Reset a user's internal password 5.10. Cancel passcodes	ESE3302 ESE3402 ESE3302 ESE3402 ESE3222 ESE3302 ESE3402 ESE3202 ESE6802 ESE8972 ESE8982 ESE2202 ESE3602
6. Terminal administration (SEMENU06) 6.1. Terminal profile maintenance 6.2. Terminal risk profile 6.3. Date and time definitions Date and time definition <i>definition</i> 6.4. Process locked terminals 6.5. Define a new TDT	ESE2802 ESE6802 ESE8972 ESE8982 ESE2302
7. VSSE options (SEMENU15) 7.1. Rule maintenance Rule edit SME array edit Change SME Array Field Order Delete confirmation Outline 0 arrays displayed 1 array displayed 2 arrays displayed 3 arrays display 7.2. SME group definitions SME GROUP <i>groupname</i> Field list 7.3. Load/restore control tables Rule selection list 7.4. SME control table testing Control table test list Control table test results 7.5. Global options 7.6. Control operator functions	ESE8722 ESE8702 ESE8742 ESE8662 ESE9002 ESE8802 ESE8812 ESE8822 ESE8832 ESE8762 ESE8782 ESE8752 ESE8902 ESE8962 ESE8602 ESE8622 ESE8682 ESE8942 ESE8642

PANEL	PANEL NUMBER
7.7. Date and time definitions Date and time definition <i>definition</i>	ESE8972 ESE8982
7.8. Rule administration via MHO (SEMENU17)	
7.8.1. Rule transmission	ESE8302
7.8.2. Rule reception	ESE8322
7.8.3. MHO transmission log	EXS2122
7.9. Authorization control table conversion	ESE8562
8. Token administration (SEMENU04)	
8.1. Token directory	ESE3102
List <i>token</i> tokens	ESE4x52
Maintain warning message	ESE2602
<i>Token</i> system defaults	ESE4x22
Set Safe S220 system spin window size	ESE4322
<i>Token</i> logon defaults	ESE4xx2
8.2. Token lists	ESE4162
List ActivCard tokens	ESE4752
AC1 token profile detail	ESE4702
AC1 token display	ESE4712
List assigned users (AC1)	ESE4502
ActivCard unlock	ESE4762
ActivCard system synchronization	ESE4732
List CRYPTOCARD tokens	ESE4552
CC1 token detail	ESE4502
List assigned users (CC1)	ESE4052
Delete confirmation (all token types)	ESE4162
Report selection (all token types)	ESE8402
List Safe S220 tokens	ESE4352
CS1 token profile detail	ESE4302
List assigned users (CS1)	ESE4052
List Digipass tokens	ESE4652
DP1 token profile detail	ESE4602
List assigned users (DP1)	ESE4502
List SecurID tokens	ESE4252
SDA token profile detail	ESE4202
Replace SecurID SDA tokens	ESE4282
SDP token profile detail	ESE4272
Replace SecurID SDP tokens	ESE4282
List assigned users (SDA/SDP)	ESE4052
List SecureNet Key tokens	ESE4452
SK1 token profile detail	ESE4402
List assigned users (SK1)	ESE4052
List Watchword tokens	ESE4152
WW1 token detail	ESE4102
List assigned users (WW1)	ESE4052
8.3. List token assignments	ESE4062
8.4. Authenticate token user	ESE6302
8.5. Update the number of authorized tokens	ESE2502
8.6. Watchword key extract control	ESE4422
8.7. Watchword key extract DES management	ESE4422
8.8. SecurID synchronization	ESE1402
8.9. SecurID system defaults	ESE4222
8.10. Reset drift factor for SecurID cards	ESE2102
8.11. ActivCard system defaults	ESE4722
8.12. ActivCard system synchronization	ESE4732
8.13. ActivCard unlock	ESE4762

## Customizing menus

The default menus can be copied and subsequently changed, or completely new menus defined to suit your own requirements, using the LIST MENU DEFINITIONS panel (1.8) as shown below.

```
Date:12/12/1997          LIST MENU DEFINITIONS          Userid:TSG0001
Time:09:00              Terminal:A01MS263

Line commands: C=Change  D=Delete

S  MENU ID  TITLE                                UPDATED  TIME  BY
ADMIN  ADMINISTRATION MENU             29/08/1996 16:05 ADMIN
MESSAGES MESSAGE MAINTENANCE MENU      15/05/1997 14:26 TSG0001
OPERATOR OPERATOR FUNCTION MENU       23/03/1997 11:57 TSG0021
SYSTEM  SYSTEM FUNCTION MENU           04/12/1996 16:13 ADMIN
USERPROF USER PROFILE MENU            16/07/1997 09:58 TSG0003
NCI     NCI FUNCTION MENU              30/07/1997 14:41 ADM0001

New menu id => _____

F1=Help  F3=End  F7=Up  F8=Down
```

The menu definitions listed in this panel are menus that have been given an id by making an entry at the **New menu id** prompt and pressing <Enter>. These menus comprise of details entered into the subsequent MENU DEFINITION MAINTENANCE panel (see next page), either copied from default menus or entered by the administrator.

To delete a menu from the LIST MENU DEFINITIONS panel, enter D in the S column next to the menu id and press <Enter>.

To change an existing menu in the LIST MENU DEFINITIONS panel, enter C in the S column next to the menu id and press <Enter>. The MENU DEFINITION MAINTENANCE panel will be displayed.

**Note:** Access to menu options is controlled by the **Authority type** field in the PROFILE DETAIL panel. Refer to *Profile definition* on page 3.21 (Volume 1) for further details. If your authority does not match the authority required by the menu options you will not be allowed access to those options.

The MENU DEFINITION MAINTENANCE panel is displayed when either a new menu id or the C line command is entered into the LIST MENU DEFINITIONS panel

```
Date:12/12/1997          MENU DEFINITION MAINTENANCE          Userid:TSG0001
Time:09:00                                           Terminal:A01MS263

Menu => ADMIN
Title => ADMINISTRATION MENU
Copy => _____ Blank for all menu options

      DESCRIPTION                                ACT PROCEDURE
000001 System administration menu                M SEMENU08
000002 Operator function menu                   M SEMENU09
000003 Browse system log                        G SE530
000004 Cross System Communications              M SEMENU16
000005 User profile maintenance menu            M SEMENU02
000006 Terminal administration                 M SEMENU06
000007 VSSE options                            M SEMENU15
000008 Token administration                     M SEMENU04

F1=Help  F2=Copy  F3=End  F7=Up  F8=Down  F10=Left  F11=Rght  F12=Can
```

An additional CINIT data field for each option can be displayed by pressing <F11> as shown below.

```
Date:12/12/1997          MENU DEFINITION MAINTENANCE          Userid:TSG0001
Time:09:00                                           Terminal:A01MS263

Menu => ADMIN
Title => ADMINISTRATION MENU
Copy => _____ Blank for all menu options

      ACT PROCEDURE CINIT DATA PASSED TO APPLICATION
000001 M SEMENU08
000002 M SEMENU09
000003 G SE530
000004 M SEMENU16
000005 M SEMENU02
000006 M SEMENU06
000007 M SEMENU15
000008 M SEMENU04

F1=Help  F2=Copy  F3=End  F7=Up  F8=Down  F10=Left  F11=Rght  F12=Can
```

## Input fields

Field	Description
Title	is the title of the menu as it appears at the top of the panel. This can be changed by overtyping as required and can be up to 40 characters long in either upper or lower case. The title will be centered automatically when displayed on the menu.
Copy	enter the name of the menu id of a different menu to be appended to the list being edited. The copy procedure is completed by pressing <F2>.
(line number)	Each option line in the list is numbered consecutively starting at 000001 and can be updated using the Line Editor facility. (Refer to <i>Making changes to panel data</i> on page 8.12 of the Installation Manual.) The line number determines the menu option number in the final menu. For instance, line 000001 will become option 1 when the menu is eventually displayed.
DESCRIPTION	is the description which is to be displayed on the menu for that option.
ACT/PROCEDURE	are two fields which determine what the purpose of the option.  PROCEDURE is the name of a procedure to be selected by the option. This can be another menu, an NCI routine, a specific NCI panel, a generic NCI panel whose full name depends on the application language and the user's terminal type, or an application.  ACT is one of the five identifiers M, E, P, G or N which determine the type of entry in the PROCEDURE field.  M - the name entered under the PROCEDURE column is treated as the identifier of a predefined menu. If no menu exists with that name when the option is selected, a menu setup error will be returned.  E - the name entered in the PROCEDURE field is treated as the name of an NCI exec routine. If the routine does not exist in a library concatenated in the NCI jobstep under the DD name //PANEL, a menu setup error will be returned when the option is selected.  P - the name entered in the PROCEDURE field is treated as the name of an NCI panel. If the panel does not exist in a library concatenated in the NCI jobstep under the DD name //PANEL, a menu setup error will be returned when the option is selected.  G - the name entered in the PROCEDURE field is treated as PART of the name of an NCI panel. When the option is selected, the value specified in the PROCEDURE field will be prefixed by the language character (only E[nglish] presently supported) and suffixed by the model number of the user's terminal to form the complete panel name. A panel will therefore be used which is appropriate to the user's terminal and language.  N - the name entered in the PROCEDURE column is treated as the nodename of an application.

<b>Field</b>	<b>Description</b>
CINIT DATA PASSED TO APPLICATION	is data to be passed to the application when an application node name is entered in the PROCEDURE field, ie it is only applicable when ACT=N.

### Display fields

<b>Field</b>	<b>Description</b>
Menu	is the menu id used when adding the menu to the LIST MENU DEFINITIONS panel.

### Function keys

<b>Key</b>	<b>Function</b>
F1	displays help information.
F2	appends the option list being edited with the menu identifier entered at the <b>Copy</b> prompt. If the <b>Copy</b> field is left blank all available NC-PASS options will be added to the option list.
F3	saves the values entered and returns to the previous panel.
F7	displays the previous screen of menus.
F8	displays the next screen of menus.
F10	scrolls to the left.
F11	scrolls to the right. This will display an additional CINIT field for each option.
F12	Cancels any changes and returns to the previous panel.

## Supplied PROCEDURE fields

A series of preset PROCEDURE fields are specified in the default Administration Menu definition. This definition is used when an administrator profile has not been assigned a specific initial menu id.

The default Administration Menu, as defined in the MENU DEFINITION MAINTENANCE panel, is as follows:

### SEMENU00 NC-PASS AUTHENTICATOR MENU

MENU/ PANEL NAME	ACT	PROCEDURE
System administration	M	SEMENU08
Operator function menu	M	SEMENU09
Browse NC-PASS log	G	SE530
Cross System Communications	M	SEMENU16
User profile maintenance menu	M	SEMENU02
Terminal administration	M	SEMENU06
VSSE options	M	SEMENU15
Token administration	M	SEMENU04

Where a menu is specified in the PROCEDURE field of the default Administration Menu, a further MENU DEFINITION MAINTENANCE panel is used. The definitions for subsequent default menus are as follows:

### SEMENU02 USER PROFILE MAINTENANCE MENU

MENU/ PANEL	ACT	PROCEDURE
Define a new user profile	E	@SEM02A
Change a user profile	E	@SEM02C
Delete a user profile	E	@SEM02D
Display a user profile	E	@SEM02V
List user profiles	E	@SEM02L
Userid risk profile	E	@SE681
Date and time definitions	E	@SE897
Process locked users	E	@SE220
Reset a user's internal password	E	@SESECPE
Cancel passcode	E	@SE360

### SEMENU04 TOKEN ADMINISTRATION MENU

MENU/ PANEL	ACT	PROCEDURE
Token directory	E	@SEL01
Token lists	E	@seM01TL
List token assignments	E	@SE406
Authenticate token user	E	@SE630
Update the number of authorized tokens	E	@SE250
Watchword key extract control	G	SE442
Watchword key extract DES management	G	SE522
Perform SecurID synchronization	G	SE140
SecurID system defaults	G	SE442
Reset drift factor for all SecurID cards	E	@SE210
ActivCard system defaults		@SE472
ActivCard system synchronization		@SE473
ActivCard unlock		@SE476

## SEMENU06 TERMINAL ADMINISTRATION MENU

MENU/ PANEL NAME	ACT	PROCEDURE
Terminal profile maintenance	E	@SE280
Terminal risk profile	E	@SE680
Date and time definitions	E	@SE897
Process locked terminals	E	@SE230
Define a new TDT	E	@SEDEFIN

## SEMENU08 SYSTEM ADMINISTRATION MENU

MENU/ PANEL NAME	ACT	PROCEDURE
General system defaults	E	@SE240
Logon defaults	E	@SE241
Message maintenance menu	M	SEMENU10
Report production menu	M	SEMENU14
External security Keyword definitions	E	@SE850
VTAM printer definitions	E	@SE509
Delete panel from storage	E	@SEDPAN
Administration menu maintenance	E	@SE170
Toggle userid/panelid title display	E	@SESWTCH

## SEMENU09 OPERATOR FUNCTION MENU

MENU/ PANEL	ACT	PROCEDURE
System shutdown	G	SE390
Backup	E	@SE130
Transaction logging status	E	@SE120
NCI monitor	G	NC800
NCI trace	G	NC933
Perform SecurID synchronization	G	SE140
SecurID synchronization at startup	G	SE142
Reset drift factor for all SecurID cards	E	@SE210

## SEMENU10 MESSAGE MAINTENANCE MENU

MENU/ PANEL	ACT	PROCEDURE
Message routing	E	@SE510
Automatic message processing	E	@SE520
Reset escalated terminals and users	E	@SE525
NCI log control	E	@SE515
Archive file control	E	@SE516
Select archive and SMF messages	E	@SE505

## SEMENU14 REPORT PRODUCTION MENU

MENU/ PANEL NAME	ACT	PROCEDURE
Log on statistics summary	E	@SE147
Log on statistics full report	E	@SE148

## SEMENU15 VSSE OPTIONS

MENU/ PANEL	ACT	PROCEDURE
Rule maintenance	E	@SE872
SME group definitions	E	@SE876
Load/restore control tables	E	@SE890
Test control table	E	@SE860
Set global options	E	@SE894
Control operator functions	E	@SE864
Date and time definitions	E	@SE897
Rule administration via MHO	M	SEMENU17
Authorization control table conversion	E	@SE856

## SEMENU16 CROSS SYSTEM COMMUNICATIONS

MENU/ PANEL	ACT	PROCEDURES
Cross system communications - host		@SE950
Links to other systems		@XS205
APPC Link Status		@SE810
Remote administration options		@XS210
MHO transmission log		@XS212
TCP/IP Host Functions		@XS216
TCP/IP sockets		@XS217

## SEMENU17 RULE ADMINISTRATION VIA MHO

MENU/ PANEL	ACT	PROCEDURES
Rule transmission	E	@SE830
Rule reception	E	@SE832
MHO transmission log	E	@XS212

## Copying menu definitions

To append the option list of a different menu to the list being edited in the MENU DEFINITION MAINTENANCE panel, specify the menu identifier to be copied at the **Copy** prompt and press <F2>.

To append all available NC-PASS options to the list being edited, leave the **Copy** field blank and press <F2>.

To insert a copied menu before or after a certain line, the B or A line editor commands can be used. (Refer to *Making changes to panel data* on page 8.12 of the Installation Manual.)

The standard menus supplied with NC-PASS provide a convenient source for copying menu options. The list of standard internal menus is as follows:

SEMENU00 = NC-PASS MENU  
SEMENU02 = USER PROFILE MAINTENANCE MENU  
SEMENU04 = TOKEN ADMINISTRATION MENU  
SEMENU06 = TERMINAL ADMINISTRATION MENU  
SEMENU08 = SYSTEM ADMINISTRATION MENU  
SEMENU09 = OPERATOR FUNCTION MENU  
SEMENU10 = MESSAGE MAINTENANCE MENU  
SEMENU14 = REPORT PRODUCTION MENU  
SEMENU15 = VSSE OPTIONS  
SEMENU16 = CROSS SYSTEM COMMUNICATIONS  
SEMENU17 = RULE ADMINISTRATION VIA MHO

A customized menu definition may refer to any of these menus.

## Defining a new menu

To create a new menu definition in the LIST MENU DEFINITIONS panel, enter a unique identifier for the menu at the **New menu id** prompt and press <Enter>. The MENU DEFINITION MAINTENANCE panel will be displayed. Enter the details of the new menu into this panel.

## Restricting access to specific menu options

If the **Authority type** field in a user's profile is defined as U (user), and the user accesses a menu which contains Administrator or Operator functions, access to those functions will be stopped.

A user's profile must define the user as an administrator (A) or operator (O) to access these functions.

Refer to the Administration Manual, Volume 1, *Chapter 3 - Controlling user access* for a description of user profiles.

## Defining application menus

Menus can be set up in the MENU DEFINITION MAINTENANCE panel by listing applications available to a user or user group (authority type A, O or U) and entering action code N (nodename) in the ACT column. This is demonstrated in the panel below. (Refer to the section entitled *Customizing menus* on page 4.17)

```
Date:12/12/1997          MENU DEFINITION MAINTENANCE          Userid:TSG0001
Time:09:00                                           Terminal:A01MS263

Menu => APPL0001
Title => APPLICATIONS SELECTION MENU APPL0001
Copy => _____ Blank for all menu options

      DESCRIPTION                                ACT PROCEDURE
000001 TSO                                          N  A01TSO
000002 CICS                                         N  A01CICS
000003 IMS                                          N  A01IMS
000004 Payroll                                     N  VSPAYR
000005 Stock control management system            N  VSSTOCKC
***** ***** * *****

F1=Help F2=Copy F3=End F7=Up F8=Down F10=Left F11=Right F12=Can
```

## Using the CONNECT and CONNECTR verbs

A terminal may be passed to an application that has been selected from a menu by using either the CONNECT or CONNECTR verb.

It is recommended that CONNECTR be used only in situations where dial-up ports and emulators are used, or where it is not possible to LOGAPPL a terminal to NCI.

To select the appropriate method for each terminal, set the NCI variable &iTYPE to CONNECT or CONNECTR in SEEXIT6 as required.

Both CONNECT and CONNECTR include the following basic logic:

- a CLSDST PASS is issued to the target application with third party notify
- VTAM notifies NCI's NDEXIT of any CLSDST PASS failure, and NCI sets the appropriate return code
- if the application rejects the CLSDST PASS, control returns immediately to NCI
- when a terminal is reconnected to NCI either manually, or by an automatic SIMLOGON, processing resumes at the next NCI statement following the CONNECT/CONNECTR statement.

CONNECT verb properties are as follows:

- a SIMLOGON is not queued automatically after the CLSDST PASS. This means that control does not pass immediately back to the next NCI statement when a terminal is lost or when it logs off the target application, unless it is LOGAPPL'd to NCI
- VTAM does not inform NCI of a terminal lost condition when the terminal is in session with the target application.

The following scenario demonstrates the possible security risk which the above CONNECT verb properties might create when dial-up lines or emulators are used.

Emulator A logs on to a target application, then powers off. NCI is not aware of a power off (terminal lost) using CONNECT.

Emulator B logs on using the same port. NCI processing continues for emulator B from where emulator A left off.

CONNECTR verb properties are as follows:

- a SIMLOGON is always queued to NCI after the CLSDST PASS is issued. This means that processing ALWAYS returns to the next statement after the CONNECTR, even when terminals are not LOGAPPL'd to NCI
- NCI is aware of a terminal lost condition when the terminal is logged on to the target application, and sets CONNECTR return code 32. Where emulators and dial-up lines are concerned, this may be useful in terms of error recovery
- CONNECTR takes up 24 more bytes of storage per terminal than CONNECT.

## Using CINIT data

CINIT data can be specified for applications selected from a menu and this data can contain constants, NCI variables and keywords. CINIT data applies only to application menu options (ACT=N), otherwise it is ignored.

The following keywords are resolved at connect time:

- SYSUSER or SYSU - resolves to userid
- SYSPASS or SYSP - resolves to password
- SYSTEM or SYST - resolves to terminal.

Also, if the password has been changed successfully:

- SYSOLDP or SYSO - resolves to old password
- SYSNEW or SYSN - resolves to new password.

Embedded NCI variables should follow normal rules, ie should start with an ampersand (&) and end with a period (.).

### Example

User TSG001 logs on to an application through a menu option using password A349115 on terminal T5943051. The NCI variable &LOGM is set to N2PQ, and variable &LANG is set to E.

The CINIT data for the menu option has been set up as follows:

```
SYSUSER/SYSPASS/SYSTEM/TRM=&LOGM.&LANG.
```

Before the CLSDST PASS is invoked, the CINIT data is resolved as follows:

```
TSG001 /A349115 /T5943051/TRM=N2PQE
```

## Logoff options

It is possible to select the action performed at session termination using SEEXIT6 and SEEXIT12. Refer to *Chapter 5 - Exit processing* for further details.

If variable &iRESTOR is set to MENU in SEEXIT6, the application selection menu is redisplayed at session termination.

If variable &iRESTOR is set to LOGO in SEEXIT6, the action performed depends on the value of the variable &iX12OFF set in SEEXIT12.

If variable &iX12OFF is set to 1, or not set, a restart will be issued and the terminal will return to the NC-PASS logo.

If variable &iX12OFF is set to 2, the terminal will be logged off to VTAM.

**Note:** The method by which the terminal is passed to the target application may override the options set above. For instance, if CONNECT is used and the terminal is not LOGAPPL'd to NCI, the terminal is not immediately returned to NCI, but remains in VTAM, with USSTAB displayed, until a logon is issued.

## Logging off NC-PASS logos

Users on NC-PASS logos cannot logoff from the logo with <PF3>; this is a security feature of the product.

If you decide that you want to allow users to logoff from the logo, the following example shows one way of achieving this:

- define a user called LOGOFF that has no password validation set. (Set the **Password validation** field to N on the PROFILE DETAIL FOR USERID panel)
- specify a connect data definition of an exec called LOGOFF
- create a new panel called LOGOFF as follows

```
)ROUTINE  
SET &#LGOF2 = 2  
EXEC @UTOFF
```

Users can enter LOGOFF in the userid field on the logo panel to return to VTAM.

## User written menu options

NCI panels and exec routines can be written in-house as additional menu options. Refer to the NCI Reference manual for details. These options can:

- accept parameters for exec routines

If an NCI exec routine (ACT=E) menu option is to accept a series of parameters, those parameters will be contained in variables &USREX1 to &USREX $n$ , where  $n$  is the number of parameters. The number of parameters specified is contained in variable &USREX0. It is the responsibility of the called routine to validate the number and nature of the parameters passed.

- return errors and messages.

To signal to the menu-handling system that an error has occurred in a user written NCI exec routine (ACT=E) menu option, a non-zero return code should be set using the EXIT statement. Messages may be displayed on the screen by setting the NCI variable &EMSG to the appropriate value. Messages may be written to the NCI log by using the LOG statement.

To return to the previous menu from a user written panel, the NCI statement RETURN should be coded.

To return to the previous menu from a user written panel which is invoked generically (ACT=G) the standard NCI routine @UTRETN should be executed.

**Note:** You will require NCI/XF startup code authorization to include user panel code that uses XF statements.

## Displaying the menu/panel id

Option 9 of the SYSTEM ADMINISTRATION MENU (1) changes the userid display at the top right corner of each NC-PASS menu/panel to show the panel name.

To revert to the normal userid display, select this option again.

---

## Customizing NC-PASS WTO messages

NC-PASS messages which have the format:

```
CKxxnnnn-n message-text
```

where:

<i>xx</i>	is a 2 character system identifier, eg SE for NC-PASS.
<i>nnnn</i>	is the message number.
<i>n</i>	is a message code which can be used to route the message to specified destinations.

can be customized to either include or omit an NC-PASS prefix. The prefix is omitted by default.

### Reason for customization

Messages issued by NC-PASS, in the format described above, can be prefixed by the literal NC-PASS when written to the console, for example:

```
15:06:05 JOB06567 NC-PASS CKxx0835-8 NCI LOG HAS BEEN SWITCHED TO NCILOG2
```

However, automation products such as NetView can handle only messages in the following format:

```
message-number message-text
```

The inclusion of the literal NC-PASS prevents the use of automation products with such messages.

Therefore a customization option, described below, has been provided which allows you to include or omit the NC-PASS literal from messages as required.

### How to include the NC-PASS literal

To include the literal, code:

```
SET &*'WTOPX = Y
```

in @SEEXIT0.

### Default setting

The default is N, which suppresses the literal and allows the messages to be handled by automation products, eg NetView.

### Examples

If the following message was issued:

```
15:06:05 JOB06567 NC-PASS CKxx0835-8 NCI LOG HAS BEEN SWITCHED TO NCILOG2
```

no action would be taken by NetView.

However, if the NC-PASS literal is omitted by using the default setting for &\*'WTOPX, the following message is issued

```
15:06:05 JOB06567 CKxx0835-8 NCI LOG HAS BEEN SWITCHED TO NCILOG2
```

and NetView could be configured to automatically archive the contents of the previous NCI log file, to free the file to be switched back to when NCILOG2 is full.

---

## Using the Computer Misuse Act 1990 facility

If you are an NCI or NC-PASS user, you are advised to fully benefit from the Computer Misuse Act by including the following panel with your tailored logon panels.

```
<COMPANY NAME>

<SYSTEM NAME>

WARNING You have accessed the system <SYSTEM NAME> operated by
<COMPANY NAME>. You are required to have personal
authorization from the System Administrator before you
use this computer, and are strictly limited to the use
set out in that authorization. Unauthorized access or
use of this computer is prohibited. Unauthorized access
to, or misuse of, the computer constitutes an offence
in the UK under the 'Computer Misuse Act 1990'.

If you understand this message and have written authorization to use
this system please type YES. Otherwise type NO to terminate this session.

Are you authorized to use this system? =>      (YES/NO)
```

The Computer Misuse Act facility is enabled through SEEXIT8 and SEEXIT0.

Update SEEXIT0 as follows:

```
)ROUTINE @SEEXIT0
*
* During startup enable exit 8
*
Set &*'EXIT8 = Y
*
Exit
*
)END
```

For users routed via a menu rather than to an application direct, update SEEXIT0 as follows:

```
)ROUTINE @SEEXIT0
*
* During startup enable exit 6
*
Set &*'EXIT6 = Y
*
Exit
*
)END
```

Update SEEXIT8 as follows:

```
)ROUTINE SEEXIT8
*
* invoke computer misuse act routine
*
panel ESE0202 cont
Exit
```

Finally restart the NC-PASS job to enable this function.

## Chapter 5 - Exit processing

Exits overview .....	5.2
@SEEXIT0 - startup processing .....	5.3
@SEEXIT3 .....	5.4
@SEEXIT4 .....	5.4
SEEXIT6 - driven when an application is CLSDST'd from a menu .....	5.7
SEEXIT7 - exit before display of initial menu during logon .....	5.9
SEEXIT8 - exit before connection to application during logon .....	5.11
SEEXIT9 - exit before connection to exec routine during logon .....	5.13
SEEXIT11 - exit after connection failure during logon .....	5.15
SEEXIT12 - exit before logging off .....	5.17
SEEXIT14 - exit after authentication during logon .....	5.18
SEEXIT15 - synchronization of password changes .....	5.20
SEEXIT16 - terminal function restriction following lost session .....	5.22
SEEXIT17 - filtering of audit messages sent from the SME .....	5.23
SEEXIT40 - APPC user exit .....	5.26
SEEXIT41 - Userid translation exit .....	5.28
SEEXIT42 - MHO rule transmission exit (overall control) .....	5.31
SEEXIT43 - MHO rule transmission exit (individual node control) ..	5.32
SEEXIT44 - MHO rule reception exit .....	5.33
SEEXIT45 - APPC session establishment exit .....	5.34
SEEXIT50 .....	5.38
SEEXIT51 .....	5.40
SEEXIT52 .....	5.41
SEEXIT53 .....	5.43
SEEXIT54 .....	5.44
SEEXIT55 .....	5.46
SEEXIT56 .....	5.47
SEEXIT57 .....	5.49
SEEXIT58 .....	5.50
SEEXIT60 .....	5.51
SEEXIT61 .....	5.52
SEEXIT62 .....	5.54
SEEXIT63 - TCP/IP user exit .....	5.56
SEEXIT65 - Update TLI parameter list .....	5.57
SEEXIT70 .....	5.58
WEXIT27 - the central administration file (CAF) read/write exit .....	5.59
Encryption .....	5.63
Internal encryption .....	5.63
Customer encryption .....	5.63
Security .....	5.64
Verification of APPC or TCP/IP partners .....	5.64
DES encryption .....	5.65
Using SEDES for DES encryption and decryption .....	5.65
Defining DES keys .....	5.66

---

## Exits overview

The exits described in this chapter are intended either for use within NC-PASS or for use within applications written in the NCI programming environment which relate to NC-PASS.

You can prepare NCI coding statements to modify exits as required. Coding can be written for such things as recording events in the NCILog, demanding further authentication input from the user, or displaying a panel of security warning information. Refer to the NCI Reference Manual for details of the language statements.

The NCI language statements distributed with NC-PASS comprise a subset taken from the full NCI/XF set of language statements. Full details of NCI/XF are provided in the NCI/XF VTAM Toolkit documentation.

If you require further information on NCI/XF or any of the statements not included with NC-PASS, contact your local PassGo Technologies support office for more details on the full NCI/XF VTAM Toolkit.

The NCI language statements provided with NC-PASS are:

*	ELSE	MESSAGE	QUEUE REPLACE	TRACEVAR
ALARM	ENABLE	MODSTATS	RESET	TRACEVERB
ALIAS	ENCRYPTION	NOALARM	RESETATTR	TRANSLATE
ASSIGN	ENQUEUE	NOBEEP	RESETEXEC	TRMSTATS
ATTRIBUTE	EXECUTE	OR	REVERSE	TRUNCENT
AUTOINPUT	EXIT	PADCENTER	ROWS	TRUNCLEFT
BEEP	FCALCULATE	PADLEFT	SCAN	TRUNCRIGHT
CALCULATE	GETLOG	PADRIGHT	SET	TURN
CHECKFIX	GLOBALV	PANSTATS	SHUTDOWN	TYPE
CHECKPANEL	GOTO	PARSE	STRING	UNLOAD
COLUMNS	GRESET	QUERYTERM	STRIPCEN	UNSTRING
CURSOR	IF	QUEUE	STRIPEMBED	UPDATE
DECREMENT	INCREMENT	QUEUE ADD	STRIPLEFT	UPPERCASE
DECRYPTION	INTERVAL	QUEUE BLDINDEX	STRIPRIGHT	UVBL
DEFINE	LABEL	QUEUE COPY	SWITCHLOG	VARIABLE
DELETE	LENGTH	QUEUE DELETE	TERMUPDATE	VARNAMEL
DEQUEUE	LOAD	QUEUE FIND	TRACE	VERIFY
DIRECT	LOG	QUEUE GPURGE	TRACEEXEC	VEXECUTE
DISABLE	LOGLEVEL	QUEUE PURGE	TRACETERM	WTO

It is your responsibility to ensure that the coding used with exits is correct.

Certain exits will not be driven unless a particular variable is set. These flag variables are set in @SEEXIT0 and provide a measure of protection against unauthorized use of an exit.

It is recommended that when you use any of these exits, you create your own small panel library of exits and concatenate this library with your NC-PASS JCL. This will allow simple and smooth maintenance updates. (When the maintenance libraries are created, they can be switched without impacting your changes.) It should be noted that fixes may be applied to exits, and therefore before starting NC-PASS, browse the maintenance copies of the relevant exits and if they have been changed, either make the same changes or recustomize the maintenance copies.

## **@SEEXIT0 - startup processing**

@SEEXIT0 is used as part of NC-PASS startup processing and can be used to specify which of the NC-PASS exits are executed.

### **When the exit is driven**

@SEEXIT0 is driven during startup processing of NC-PASS. It can be used to specify which of the exits are executed.

### **Purpose**

@SEEXIT0 is the pre-startup exit routine, used to perform customization required during the startup of NC-PASS.

For example, @SEEXIT0 can be used to enable SEEXIT11, the exit run after a failed connect at logon.

To specify exits for execution, 'flag' variables must be prepared which can be recognized by the NC-PASS system.

### **Return codes**

There are no return codes from this exit.

### **Example**

The following statement enables SEEXIT11:

```
SET &*!XIT11=Y
```

It is recommended that you use the LOG statement to write out to the NCI log which exit is being enabled.

**Note:** Processing must not be diverted from @SEEXIT0.

PANEL statements are not permitted.



<i>&amp;ix4cind</i>	connect indicator, describes the connect destination - N for node, K for keyword, E for exec.
<i>&amp;ix4dest</i>	the destination defined for the connect.
<i>&amp;ix4cini</i>	the cinit data specified for the connect.
<i>&amp;ix4retc</i>	will be set to 0 for a valid user. An invalid userid will produce one of the following codes:
491	user profile record not found.
492	user is logging on outside the date and time range specified for this profile.
493	the user's userid is locked following a number of invalid retries in excess of the permitted number.
494	an I/O error has been encountered.
495	the token assigned to the user is disabled at a system level.
497	the user is using an unauthorized terminal.
498	invalid response to a Watchword challenge.
520	invalid SecurID PRN.
526	checksum error. (This implies that the data held on the VSAM file(s) has been illegally altered.)
527	token record not found.
649	invalid response to SecureNet challenge.
721	invalid Safe S220 SPIN.

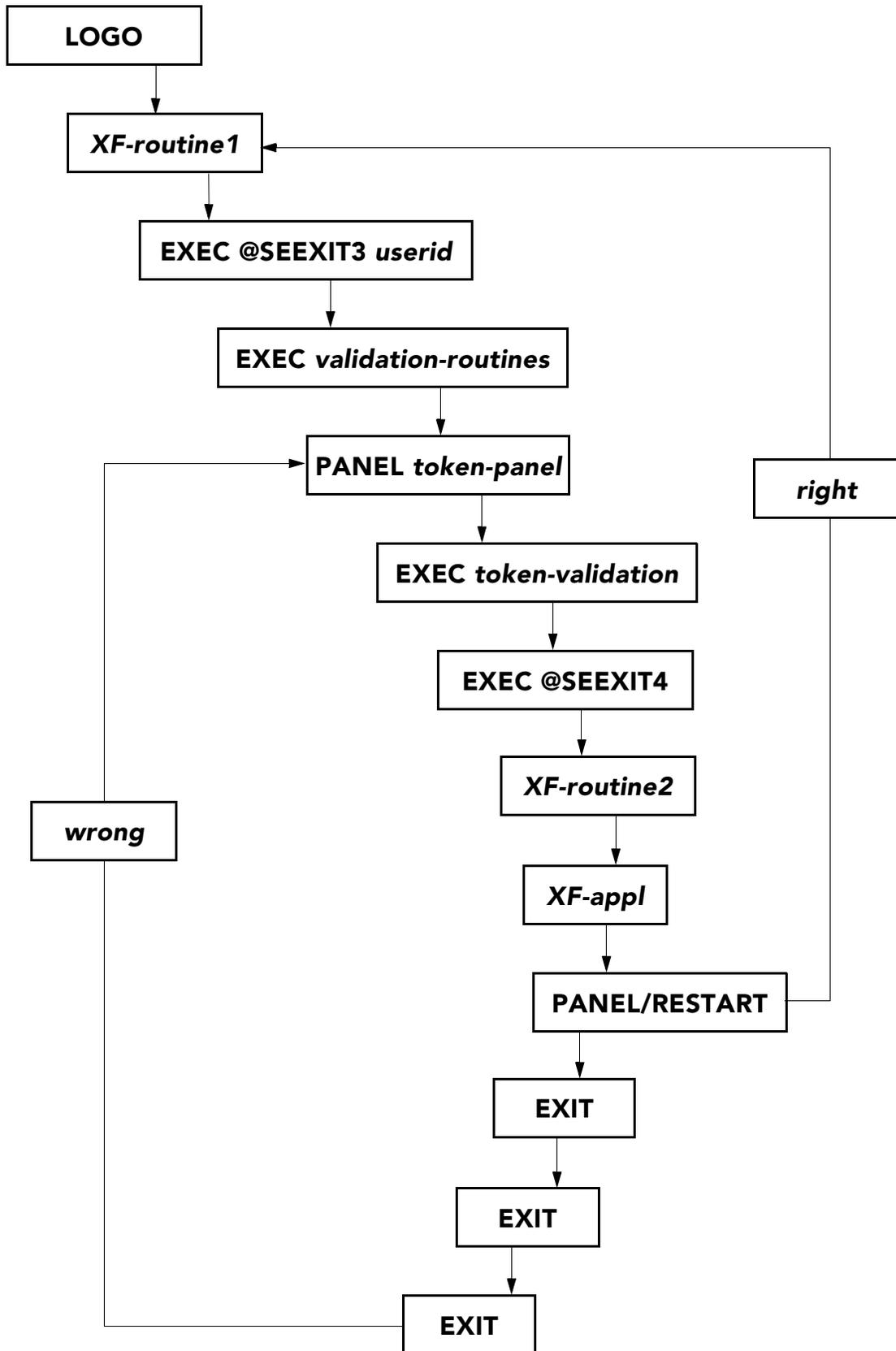
**Note:** This is the last routine executed as part of the user validation processing which results from the execution of @SEEXIT3.

@SEEXIT4 must be so coded that proper control of the terminal is maintained. @SEEXIT4 will always be executed after the execution of @SEEXIT3, but processing which follows completion of @SEEXIT4 depends on whether a panel has been displayed. If, for instance, panel SEEXIT3A is allowed to exit then panel SEEXIT3A will be redisplayed. The routine @SEEXIT4 must be so coded to allow the calling NCI application to resume control (that is, ultimately, to display a panel).

### Example

The logic flow for the use of @SEEXIT3 and @SEEXIT4 is displayed in the diagram on the following page. The EXEC of @SEEXIT3 is the last action of *xf-routine1*; the EXEC of *xf-routine2* represents a return to the main logic flow. It should be noted that once the point in the application where @SEEXIT3 is to be invoked has been identified, the NCI routine in question will probably have to be split to permit the logic flow to be resumed in that routine by @SEEXIT4. In the example it is assumed that an original routine, *xf-routine*, has been split into *xf-routine1* and *xf-routine2* because the point identified for the execution of @SEEXIT3 occurred about half way through *xf-routine*.

The logic flow labelled wrong should be avoided: it represents the case where execution of @SEEXIT4 has not resulted in proper resumption of control by the NCI application.

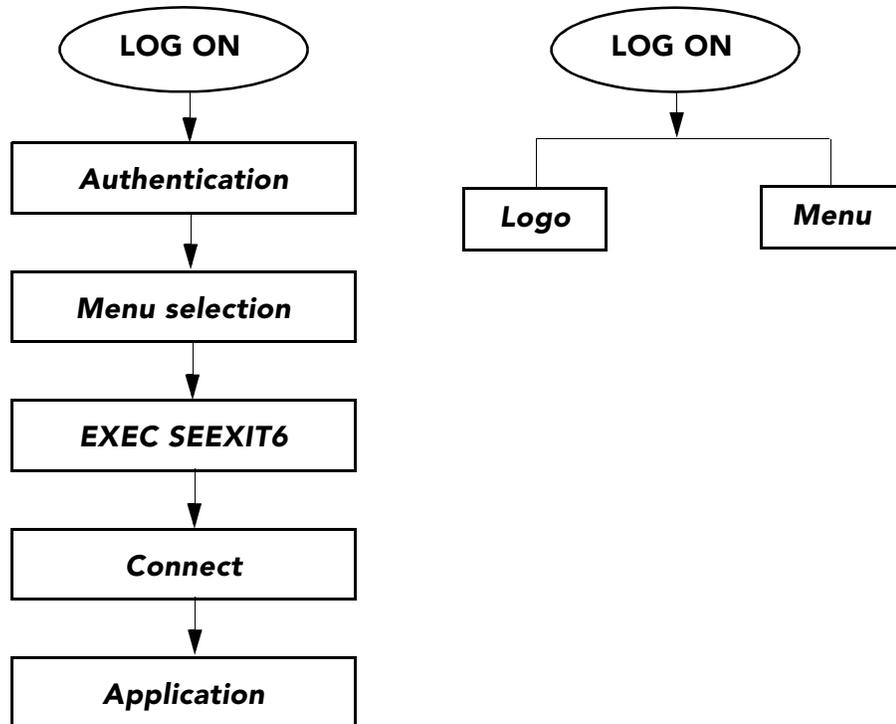


## SEEXIT6 - driven when an application is CLSDST'd from a menu

SEEXIT6 is used to determine the type of connect to be performed to an application. It can also be used to determine whether the menu or the NC-PASS logo is redisplayed when the terminal logs off the application.

### When the exit is driven

SEEXIT6 is driven after a selection has been made from the NC-PASS main menu and before connection to the selected application.



### Purpose

SEEXIT6 is used to determine the type of connect to be performed on passing a terminal from an NC-PASS menu to an application. It can also be used to determine whether the menu or the NC-PASS logo is redisplayed when the terminal logs off the application.

### Enabling the exit

The exit is enabled by setting variable `&*ixit6` to Y in the startup exit `@SEEXIT0`.

## Modifiable variables

The following variables are supplied and may be updated:

*&!type* set to CONNECT to pass the terminal to an application. The terminal will always be presented with the NC-PASS logo if a session with NC-PASS is reestablished.

set to CONNECTR to pass the terminal to an application. After the CLSDST pass is performed, NC-PASS will stack a SIMLOGON to itself so that the terminal is reacquired when the session with the application is terminated.

If CONNECTR has been specified, the variable *&!restor* can be set to determine whether the terminal will be returned to the menu or the NC-PASS logo.

*&!restor* set to MENU to return the terminal to the menu (where the original selection was made) when the session with the application is terminated.

set to LOGO to return the terminal to the NC-PASS logo when the session with the application is terminated.

## Return codes

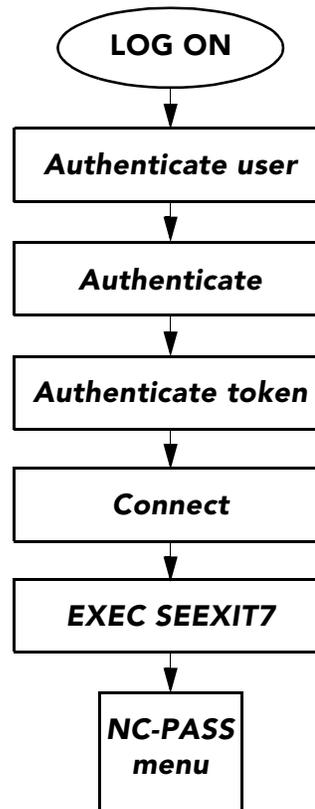
There are no return codes from this exit.

## SEEXIT7 - exit before display of initial menu during logon

SEEXIT7 allows functions to be performed immediately before displaying an initial menu during the logging on procedure.

### When the exit is driven

SEEXIT7 is driven during logon, following a successful connection, immediately before displaying the initial menu.



### Purpose

SEEXIT7 allows functions such as further authentication to be performed immediately before displaying an initial menu during the logging on procedure.

### Enabling the exit

SEEXIT7 is enabled by setting variable `&*ixit7` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are provided:

<code>&amp;ix7act</code>	action code: N (Node), E (Exec), M (Menu), K (Keyword), or null ('M' or null in this case).
<code>&amp;ix7uid</code>	userid upcased and padded to 8.
<code>&amp;ix7tkn</code>	token type used for authentication.

## Modifiable variables

The following variables are supplied and may be updated:

<code>&amp;ix7dat</code>	contents of <b>DATA</b> => field on logo: ADMIN or null.
<code>&amp;ix7des</code>	user destination: application, nodename, menuname, or keyword (keywords are ADMIN, APPL, ACCESS).
<code>&amp;ix7app</code>	contents of <b>APPL</b> => field on logo.
<code>&amp;ix7log</code>	logmode.
<code>&amp;ix7cin</code>	CINIT data.

## Return codes

There are no return codes from this exit.

## Example

The following NCI code could be executed by the routine. When a userid of TSG0001 is entered on the NC-PASS logo the userid allocated and used in the system will be amended to TSG0002 and the menu displayed.

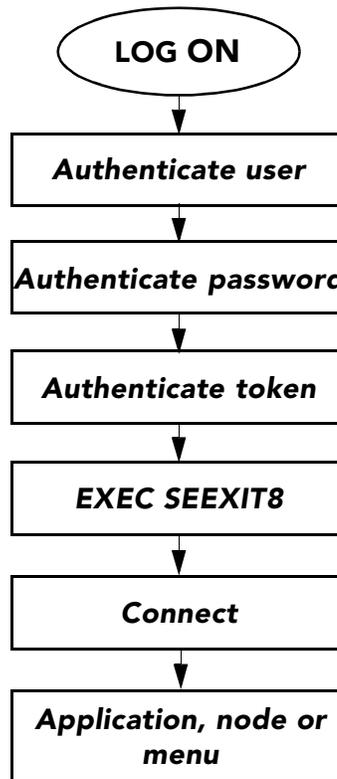
```
If &ix7uid = 'TSG0001'  
    Set &ix7uid = 'TSG0002'
```

## SEEXIT8 - exit before connection to application during logon

SEEXIT8 allows final additional authentication to be performed or a different logmode to be specified before logon.

### When the exit is driven

SEEXIT8 is driven immediately before connect processing during the logging on procedure.



### Purpose

SEEXIT8 allows final additional authentication to be performed or a different logmode to be specified before logon.

### Enabling the exit

SEEXIT8 is enabled by setting variable `&*/xit8` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are provided:

<code>&amp;ix8act</code>	action code: N (Node), E (Exec), K (Keyword), or null.
<code>&amp;ix8uid</code>	userid uppercased and padded to 8.
<code>&amp;ix8tkn</code>	token type used for authentication.

## Modifiable variables

The following variables are supplied and may be updated:

<i>&amp;ix8dat</i>	contents of <b>DATA =&gt;</b> field on logo: ADMIN or null.
<i>&amp;ix8des</i>	user destination: application, nodename, or keyword (keywords are ADMIN, APPL, ACCESS).
<i>&amp;ix8app</i>	contents of <b>APPL =&gt;</b> field on logo.
<i>&amp;ix8log</i>	logmode.
<i>&amp;ix8cin</i>	CINIT data.

## Return codes

There are no return codes from this exit.

## Example

The following NCI code causes all users whose connect data within their user profile or on RACF, specifies connection to nodename A01TSO to be connected to nodename B01TSO instead.

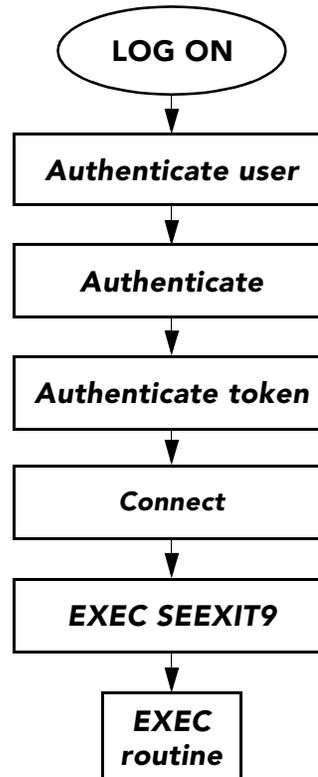
```
If &ix8act = N
  If &ix8des = A01TSO
    Set &ix8des = B01TSO
```

## SEEXIT9 - exit before connection to exec routine during logon

SEEXIT9 allows further processing to be performed, eg further authentication, to be performed.

### When the exit is driven

SEEXIT9 is driven immediately before an exec routine during the logging on procedure.



### Purpose

SEEXIT9 allows further processing to be performed (further authentication for instance) before an EXEC routine is run.

### Enabling the exit

SEEXIT9 is enabled by setting variable `&*!xit9` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are provided:

<code>&amp;!x9uid</code>	userid uppercased and padded to 8.
<code>&amp;!x9tkn</code>	token type used for authentication.

## Modifiable variables

The following variables are supplied and may be updated:

If the routine is driven the following variables are set:

<i>&amp;ix9dat</i>	contents of <b>DATA =&gt;</b> field on logo: ADMIN or null.
<i>&amp;ix9des</i>	user destination: application, nodename, menuname, or keyword (name of exec routine to be driven in this case).
<i>&amp;ix9app</i>	contents of <b>APPL =&gt;</b> field on logo.
<i>&amp;ix9log</i>	logmode.
<i>&amp;ix9cin</i>	CINIT data.

## Return codes

There are no return codes from this exit.

## Example

The following NCI code causes any user whose connect data within his user profile specifies an exec routine of '@SE888' will be passed to routine 'SE9992'. This may be a user coded panel containing further entry fields which will be validated before logging on can be completed.

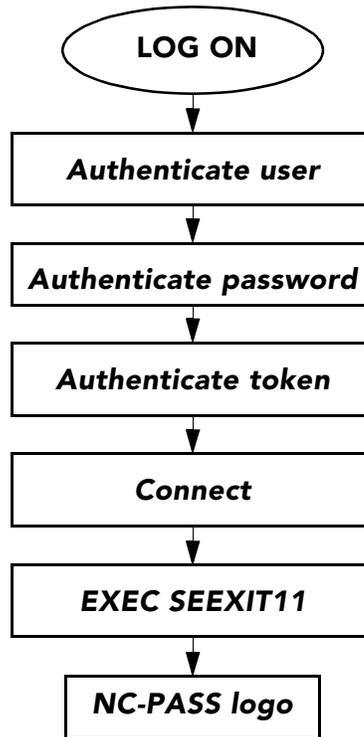
```
If &ix9des = '@SE888'  
    Set &ix9des = 'SE9992'
```

## SEEXIT11 - exit after connection failure during logon

SEEXIT11 allows further processing to be performed following a failed connect.

### When the exit is driven

SEEXIT11 is driven during the logging on procedure, immediately after a failed connect.



### Purpose

SEEXIT11 allows further processing to be performed following a failed connect, for example recording the event on the NCI log.

### Enabling the exit

SEEXIT11 is enabled by setting variable `&*!xit11` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are provided:

<code>&amp;!connrc</code>	return code from NCI connect function.
<code>&amp;usrtrcd</code>	value of VTAM RPLRTNCD field associated with CLSDST PASS function.
<code>&amp;ursens</code>	sense code associated with CLSDST PASS function.
<code>&amp;!exit5</code>	set to Y if session security exits were in operation.

## Modifiable variables

The following variable is supplied and may be updated:

`&i11msg` may be set to replace the default *Access denied* message after a connect failure, this message will be written to the log and displayed to the user if required.

## Return codes

There are no return codes from this exit.

## Example

The following NCI code records the failed connect event on the NCILOG.

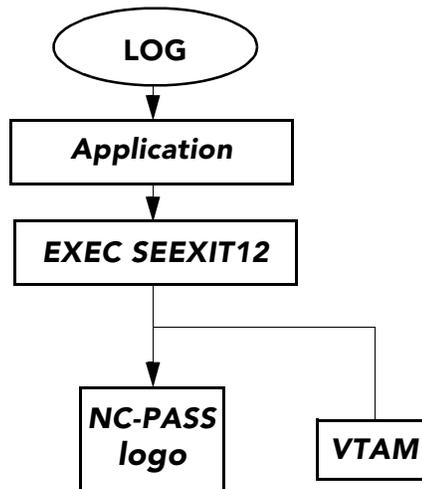
```
Log '*** CONNECT FAILED *** User = &#userid ***'  
Log 'Connect return code = &iconnrc.'  
Log 'VTAM RPLRTNCD = &usrtrcd.'  
Log 'CLSDST PASS sense code = &usrsens.'  
If &iexit5 = Y  
    Log 'Session security exits in operation = Yes'  
Else  
    Log 'Session security exits in operation = No'  
Log 'Connect message = &i11msg.'  
Log '*****'
```

## SEEXIT12 - exit before logging off

SEEXIT12 allows you to be returned to the NC-PASS logo or to VTAM at logoff.

### When the exit is driven

SEEXIT12 is driven immediately before logoff.



### Purpose

SEEXIT12 allows you to be returned to the NC-PASS logo or to go to VTAM at logoff.

### Enabling the exit

SEEXIT12 is enabled by setting variable `&*ixit12` to Y in the startup exit `@SEEXIT0`.

### Modifiable variables

The following variable is supplied and may be updated:

`&ix12off` set to 1 to return to the logo, or set to 2 to log off to VTAM.

### Return codes

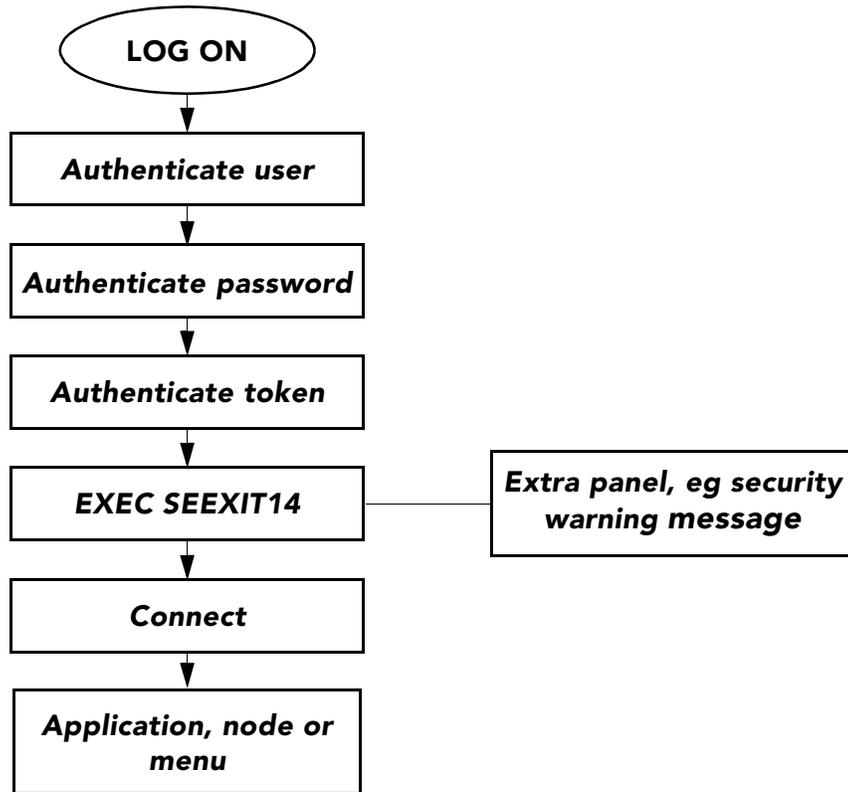
There are no return codes from this exit.

## SEEXIT14 - exit after authentication during logon

SEEXIT14 allows a final routine to be executed, a panel to be displayed after authentication or a function other than CONNECT to be performed.

### When the exit is driven

SEEXIT14 is driven after authentication is complete but before the user is connected.



### Purpose

SEEXIT14 allows a final routine to be executed, a panel to be displayed after authentication or a function other than CONNECT to be performed.

### Enabling the exit

SEEXIT14 is enabled by setting variable `&*!xit14` to Y in the startup exit `@SEEXIT0`.

## Read only variables

The following variables are available and may be changed:

<i>&amp;ix14dat</i>	information entered at data prompt on logo.
<i>&amp;ix14act</i>	action code as defined in the user's connect definition or on RACF.
<i>&amp;ix14des</i>	destination as defined in the user's connect definition or on RACF.
<i>&amp;ix14app</i>	application name entered at the Appl prompt at logo.
<i>&amp;ix14uid</i>	userid.
<i>&amp;ix14log</i>	logmode.
<i>&amp;ix14cin</i>	cinit data.

The following data is for information only and will have no effect if changed:

<i>&amp;ix14tkn</i>	3 byte code for token type used.
---------------------	----------------------------------

## Return codes

There are no return codes from this exit.

## Example

The following NCI code displays a panel warning the user of unauthorized access:

```
Panel ESE0772
```

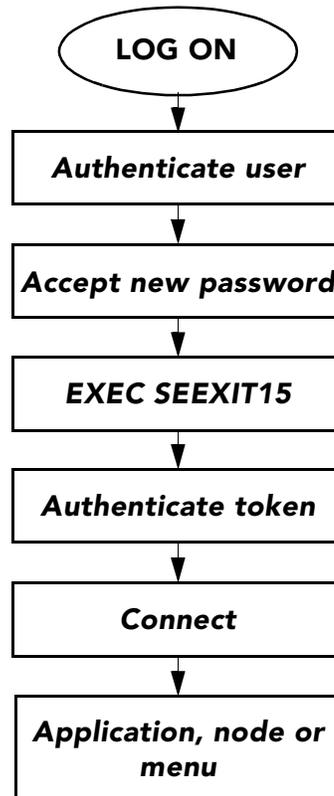
where ESE0772 is a user coded panel.

## SEEXIT15 - synchronization of password changes

SEEXIT15 synchronizes the passwords for a series of related userids.

### When the exit is driven

SEEXIT15 is driven immediately after a new password has been accepted.



### Purpose

SEEXIT15 provides a facility which synchronizes the passwords for a series of related userids.

For instance, a user owns userids TSG0001, TSG0002, TSG0003 and TSG0004, and all have the same password. When a password is changed for any one of these userids, the others are automatically updated so that all userids use the new password.

SEEXIT15 contains sample NCI code which synchronizes passwords between a series of related userids. The code should be altered to suit your requirements.

## Enabling the exit

SEEXIT15 is enabled by setting variable `&'xit15` to Y in the startup exit SEEXIT0.

**Note:** SEEXIT15 runs in conjunction with NCI exit WEXIT12. WEXIT12 should also be enabled by setting NCI variable `&'#exit12` to YES in the startup exit SEEXIT0. This will require the additional NCI statement VARNAMEL 9 in the )PANEL section of the routine. Alternatively, if NC-PASS is running in the same address space as NC-ACCESS, then WEXIT12 can be enabled through NC-ACCESS administration.

For each user who is to run SEEXIT15, the NCI variable `&'xit15` should be set to YES in WEXIT12.

The load library should be authorized.

## Return codes

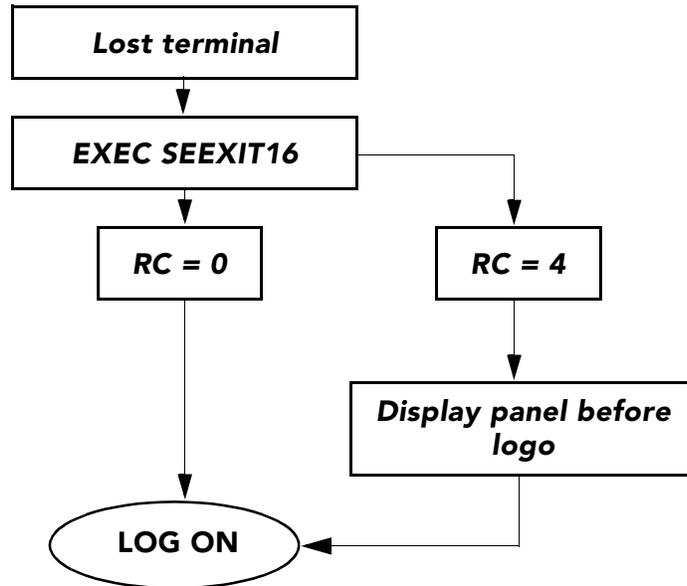
There are no return codes from this exit.

## SEEXIT16 - terminal function restriction following lost session

SEEXIT16 restricts the functions a terminal can perform on reconnection following lost terminal.

### When the exit is driven

SEEXIT16 is driven after a lost terminal.



### Purpose

Exit SEEXIT16 restricts the functions a terminal can perform on reconnection following lost terminal, according to the terminal type.

### Enabling the exit

SEEXIT16 is enabled by setting variable `&*!xit16` to Y in the startup exit `@SEEXIT0`.

### Return codes

Set the return codes as appropriate.

- 0 to display the logo directly on reconnection.
- 4 causes an interim panel to be displayed to avoid an error.

### Example

```
)ROUTINE SEEXIT16
If &USRTERM(1:3) = 'T31'
    Set &øex16rc = 4                /* Display panel before logo
Else
    Set &øex16rc = 0                /* Do not display panel before logo
*
EXIT &øex16rc
```

## SEEXIT17 - filtering of audit messages sent from the SME

SEEXIT17 allows the administrator to filter ACQUIRE, ALLOW, WARN and DENY audit messages that are sent from the SME to NC-PASS.

### When the exit is driven

SEEXIT17 is driven when NC-PASS receives an audit message from the SME.

### Purpose

SEEXIT17 allows the administrator to filter ACQUIRE, ALLOW, WARN and DENY audit messages that are sent from the SME to NC-PASS.

### Enabling the exit

SEEXIT17 is enabled by setting variable `&exit17` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are available:

<code>&amp;typ</code>	Message type (ACQUIRE, ALLOW, WARN or DENY).
<code>&amp;ona</code>	OLU name.
<code>&amp;oss</code>	OLU SSCP name.
<code>&amp;one</code>	OLU netid.
<code>&amp;dna</code>	DLU name.
<code>&amp;dss</code>	DLU SSCP name.
<code>&amp;dne</code>	DLU netid.
<code>&amp;rul</code>	Rule name.
<code>&amp;anu</code>	Array number.
<code>&amp;ana</code>	Array name.
<code>&amp;fna</code>	Field name.
<code>&amp;fco</code>	Field comparator (EQ or NE).
<code>&amp;daz</code>	data - 8 hex bytes - non displayable characters replaced with a period (.).

## Return codes

### ACQUIRE

ACQUIRE audit messages are always sent from the SME to NC-PASS. If the exit coding issues return code 8, no further processing of the message will occur. If the exit coding issues return code 0, processing will continue and the following messages will be produced:

```
CKSE3384-4 SME ACQUIRE OLU=olu NETID=onetid SSCP=osscp
CKSE3385-4 SME ACQUIRE OLU=olu DLU =dlu NETID=dnetid SSCP=dsscp
CKSE3386-4 SME ACQUIRE OLU=olu RULE=rulename ARRAY=arrayname(n)
CKSE3387-4 SME ACQUIRE OLU=olu FIELD=field SUPPLIED DATA=data
CKSE3388-4 SME ACQUIRE OLU=olu GLOBAL OPTION (STOP) = STOP/NOSTOP
```

### ALLOW

ALLOW audit messages are sent from the SME to NC-PASS if the ALLOW switch on the GLOBAL OPTIONS panel (7.5) is set to Y. If the exit coding issues return code 8, no further processing of the message will occur. If the exit coding issues return code 0, processing will continue and the following messages will be produced:

```
CKSE3345-4 SME ALLOW OLU=olu NETID=onetid SSCP=osscp
CKSE3346-4 SME ALLOW OLU=olu DLU =dlu NETID=dnetid SSCP=dsscp
CKSE3347-4 SME ALLOW OLU=olu RULE=rulename ARRAY=arrayname(n)
CKSE3348-4 SME ALLOW OLU=olu FIELD=field SUPPLIED DATA=data
```

### DENY

DENY audit messages are always sent from the SME to NC-PASS. If the exit coding issues return code 8, no further processing of the message will occur. If the exit coding issues return code 0, processing will continue and the following messages will be produced:

```
CKSE3353-4 SME DENY OLU=olu NETID=onetid SSCP=osscp
CKSE3354-4 SME DENY OLU=olu DLU =dlu NETID=dnetid SSCP=dsscp
CKSE3355-4 SME DENY OLU=olu RULE=rulename ARRAY=arrayname(n)
CKSE3356-4 SME DENY OLU=olu FIELD=field SUPPLIED DATA=data
```

### WARN

WARN audit messages are always sent from the SME to NC-PASS. If the exit coding issues return code 8, no further processing of the message will occur. If the exit coding issues return code 0, processing will continue and the following messages will be produced:

```
CKSE3349-4 SME WARN OLU=olu NETID=onetid SSCP=osscp
CKSE3350-4 SME WARN OLU=olu DLU =dlu NETID=dnetid SSCP=dsscp
CKSE3351-4 SME WARN OLU=olu RULE=rulename ARRAY=arrayname(n)
CKSE3352-4 SME WARN OLU=olu FIELD=field SUPPLIED DATA=data
CKSE3357-4 SME DENY OLU=olu GLOBAL OPTION (STOP) = STOP/NOSTOP
```

Refer to *Chapter 6 - Messages and abend codes* for further details of the messages listed on the previous page.

You can route these messages as appropriate for your auditing requirements. Refer to *Chapter 10 - Auditing (Volume 1)* for further details.

## Examples

1. The following NCI code omits messages from decisions made using the infrequently used rule CUST01:

```
)ROUTINE
*
If &|X17RUL NE 'CUST01'                /* If rule name is not CUST01
    SET &cX17RC = 0                      /* Continue to process messages
ELSE
    SET &cX17RC = 8                      /* Do not produce messages
*
EXIT &cX17RC
```

2. The following NCI code allows you to process DENY messages but not WARN messages. (Both messages are always sent from the SME to NC-PASS.)

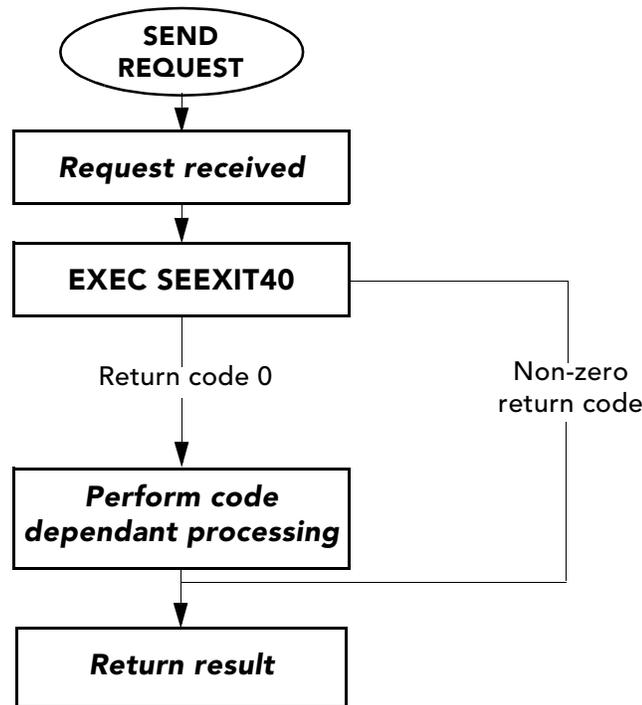
```
)ROUTINE
*
If &|X17TYP NE 'WARN'                  /* If message type is not WARN
    SET &cX17RC = 0                      /* Continue to process messages
ELSE
    SET &cX17RC = 8                      /* Do not produce messages
*
EXIT &cX17RC
```

## SEEXIT40 - APPC user exit

SEEXIT40 allows you to decrypt password fields when using your own APPC TLI application and also to allow you to reject a request on the basis of the target network.

### When the exit is driven

SEEXIT40 is driven after an APPC TLI request has been received.



### Purpose

SEEXIT40 allows you to decrypt password fields when using your own APPC TLI application and also to allow you to reject a request on the basis of the target network.

### Enabling the exit

SEEXIT40 is enabled by setting variable `&'xit40` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are available:

- |                           |  |
|---------------------------|--|
| <code>&amp;'x40rem</code> | the remote system's name.  |
| <code>&amp;'x40app</code> | the remote system's application identifier. This is NCPASS for NC-PASS products.   |
| <code>&amp;'x40fun</code> | the function of the call: <ul style="list-style-type: none"><li>01 - Request access rights.</li><li>03 - Request for validation/authentication.</li><li>04 - Request for password change.</li><li>07 - Request for SDP token PIN change.</li></ul> |

## Modifiable variables

The following variables are available and may be changed:

<i>&amp;i'x40hus</i>	host userid.
<i>&amp;i'x40lus</i>	LAN userid.
<i>&amp;i'x40net</i>	network id.
<i>&amp;i'x40nod</i>	node id.
<i>&amp;i'x40trg</i>	target server.
<i>&amp;i'x40sup</i>	target supplementary information.

One or more of the following variables will be supplied, depending on the function of the APPC request. Their contents can be changed.

<i>&amp;i'x40pwd</i>	password.
<i>&amp;i'x40npw</i>	new password.
<i>&amp;i'x40chl</i>	token challenge.
<i>&amp;i'x40rsp</i>	token response.
<i>&amp;i'x40tkn</i>	token serial.
<i>&amp;i'x40ch2</i>	token challenge for reregistration.
<i>&amp;i'x40rs2</i>	token response for reregistration.
<i>&amp;i'x40pin</i>	new PIN number for SDP tokens.

The following variable may be returned by this exit:

<i>&amp;i'x40msg</i>	may be set to a message (maximum 80 characters) to be returned to the calling terminal if EXIT 8 is used.
----------------------	---

Set the return codes as appropriate.

0	allows the request.
non-zero	rejects the request.

## Return codes

There are no return codes from this exit.

## Example

The application MYAPPL uses the APPC TLI to authenticate users and encrypt passwords by the reversing the hex character representation of the password, eg ABC123 (x'C1C2C3F1F2F3') is encrypted to x'3F2F1F3C3B3A'.

The supplied routines @UTC2X and @UTX2C, and the REVERSE NCI statement are used to decrypt the data.

```
)ROUTINE SEEXIT40
If &i'x40app(1:6) EQ MYAPPL
  Exec @UTC2X &i'x40pwd $XPW
  Reverse &$xpw = &$xpw
  Exec @UTX2C &$xpw i'X40PWD
EXIT 0

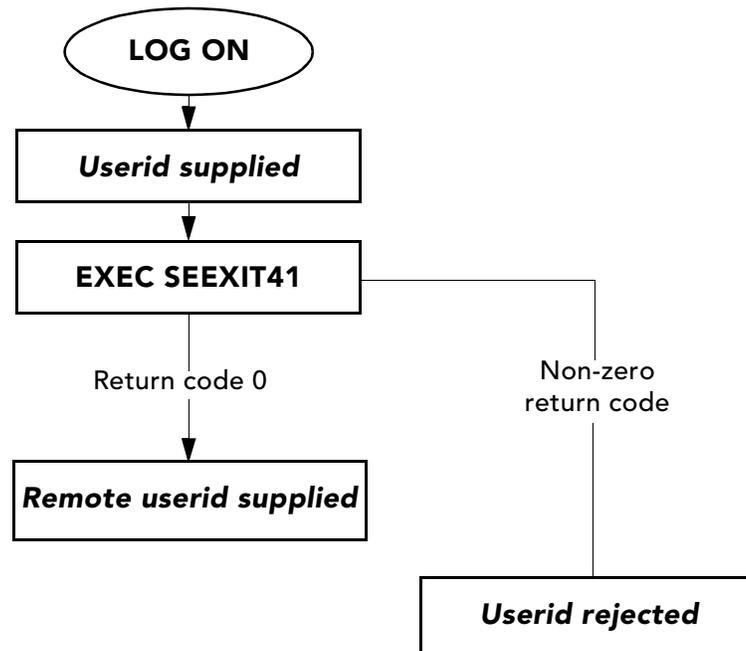
)ROUTINE SEEXIT40
EXIT 0
```

## SEEXIT41 - Userid translation exit

SEEXIT41 allows you to create the LAN userid by a more complex method than the supplied routine or to retrieve it from an external source eg RACF.

### When the exit is driven

SEEXIT41 may be executed during userid translation for PC LAN networks.



### Purpose

SEEXIT41 allows you to create the LAN userid by a more complex method than the supplied routine or to retrieve it from an external source eg RACF.

### Enabling the exit

SEEXIT41 is enabled by setting variable *&\*ixit41* to Y in the startup exit @SEXIT00 and within the userid translation panels the keyword EXIT must be coded in the remote user in place of the remote user mask. (If you want the exit invoked for all translation just code the single line of asterisks (\*) in host and EXIT in remote).

The keyword EXIT may be followed by further characters all of which will be passed to this exit in *&#x41key*. This will enable differing translations to be used within the exit. The exit will also be called (with NOMATCH in *&#x41key*) when the host user is not found but the system is about to use the default of remote equal to Host.

### Read only variables

The following read only variables are provided:

- &#x41nod*        the network node.
- &#x41key*        the exit invocation keyword.
- &#x41net*        the Network or Domain id.

## Modifiable variables

The following variables are supplied and may be updated:

`&#x41hst`        the host user supplied.  
`&#x41lan`        the LAN user supplied (normally blank).

## Return codes

Set the following return codes in variable `&#x41rc` as appropriate:

0                    supplies the remote userid set in variable `&#x41lan`.  
non-zero            rejects the userid.

## Invoking Assembler or Cobol language modules

To invoke an Assembler or Cobol language module from this exit, if NCI/XF is not available, insert the following statement at the appropriate point:

```
Exec WCALL CAEXIT41 parm1 parm2 ..... parm12
```

**Note:** Your module **must** be named CAEXIT41 and can be invoked once only for each entry to this exit routine.

To retrieve the LAN userid from a RACF database use the supplied routine NCRACFX, which follows the format shown below:

```
EXEC NCRACFX P1 P2 P3 P4 .... Pn
```

where:

*P1*            is the RACF class name, the class name can be USER, GROUP, CONNECT, DATASET, or any general resource class defined in the class descriptor table.  
*P2*            is the field name within the RACF profile of the data that is to be extracted. The field name specified is assumed to be a repeat group, if not, the field name should be prefixed with a plus sign (+). For a list of valid field names and indication whether they are repeat groups see the appropriate RACF manual for the templates defining each field in the profiles.

**Note:** A repeat group is indicated by bit zero of FLAG1 being on.

*P3*            is the RACF resource name it identifies the specific profile from which the data will be extracted.

Class	Description
USER	Userid (maximum 8 bytes).
GROUP	Group name (maximum 8 bytes).
CONNECT	Connect name (maximum 17 bytes).
DATASET	Dataset name (maximum 44 bytes).

*P4*            is the stub of an NCI variable name, a number will be appended as a suffix to the variable name stub.

**Note:** An ampersand (&) should not be supplied, for example specifying X will result in &X0 and possibly &X1 &X2 and so on to be set depending on the amount of data extracted.

The variable suffixed 0 (zero) will contain the count of the number of pieces of data returned in the variables suffixed from 1 through *n*.

**Note:** A zero count can be returned.

Fields P3 and P4 may be repeated as pairs up to 6 times (P14).

## Return codes

The following codes may be returned in variable *&usrretc*:

0	normal completion.
2000	parameter list error.
2001	not running APF authorized.
2002	abend occurred, estae routine driven.
other	RACROUTE REQUEST=EXTRACT SAF return code.

When the SAF return code is in *&usrretc*, the RACF return code will be set in *&\$RRETC* and the RACF reason code will be set in *&\$RREAC*. See the RACF macro reference for explanation of return codes.

**Note:** The *&usrretc*, *&\$rretc* and *&\$rreac* values are decimal.

## Example

The following NCI code would perform userid translation as described in the comments.

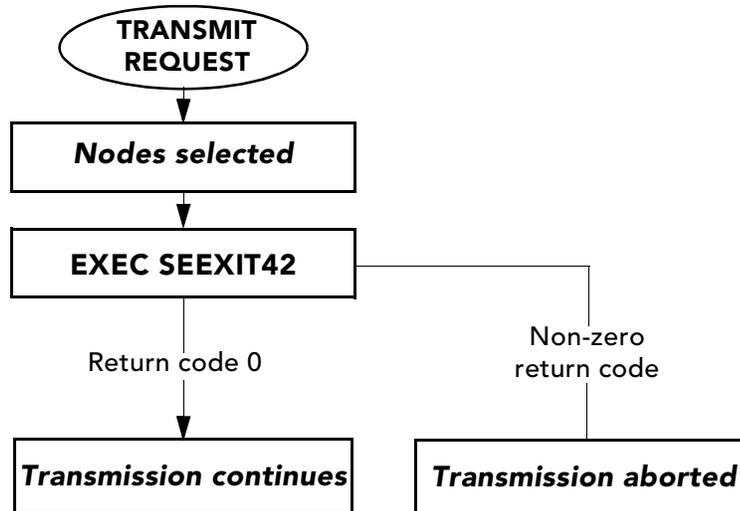
```
)ROUTINE
*
Goto &#x41key(1:8) KEYUKN          /* Branch to routine for keyword
*
Label NOMATCH
Exit 0                            /* Allow the default
*
Label EXIT1
* The following sample code shows an unusual translation situation.
* The remote user is created from the host user but with the digits
* in a different order
* (Given a host of ABCDEFG the resulting lan would be ECDA)
*
Set &#x41lan = &#x41hst(5)&#x41hst(3:4)&#x41hst(1)
Exit 0
*
Label EXITR
* The following code shows the use of NCRACFX to retrieve the lan user
* from RACF. This of course is dependent on the setup of your RACF.
*
Exec NCRACFX USER +LANID &#x41hst #x41r
If &usrretc eq 0
  If &#x41r0 gt 0
    set &#x41lan = &#x41r1
    exit 0
  else
    exit 8
else
  exit 8
*
Label KEYUKN
* Unknown keyword - disallow translation
EXIT 8
```

## SEEXIT42 - MHO rule transmission exit (overall control)

SEEXIT42 allows a decision to be made whether or not to continue processing after nodes have been selected.

### When the exit is driven

SEEXIT42 may be executed during MHO transmission of a VSSE rule to other NC-PASS systems. It is driven when nodes have been selected, and allows a decision to be made whether to continue.



### Purpose

SEEXIT42 allows a decision to be made whether or not to continue processing after nodes have been selected.

### Enabling the exit

SEEXIT42 is enabled by setting variable `&*'xit42` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are available:

<code>&amp;#x42uid</code>	the userid performing the transmission.
<code>&amp;#x42rul</code>	the name of the rule being transmitted.
<code>&amp;#x42fnc</code>	the function STORE or LOAD. LOAD implies STORE.
<code>&amp;#x42n0</code>	the number of other NC-PASS jobs selected.
<code>&amp;#x42n1</code> to	the MHO node names of the NC-PASS jobs which have been
<code>&amp;#x42nNN</code>	selected, where NN is the value of <code>&amp;#x41n0</code> .

### Return codes

Set the return codes as appropriate.

0	continues the transmission.
non-zero	aborts the transmission.

### Example

The following NCI code allows processing to continue.

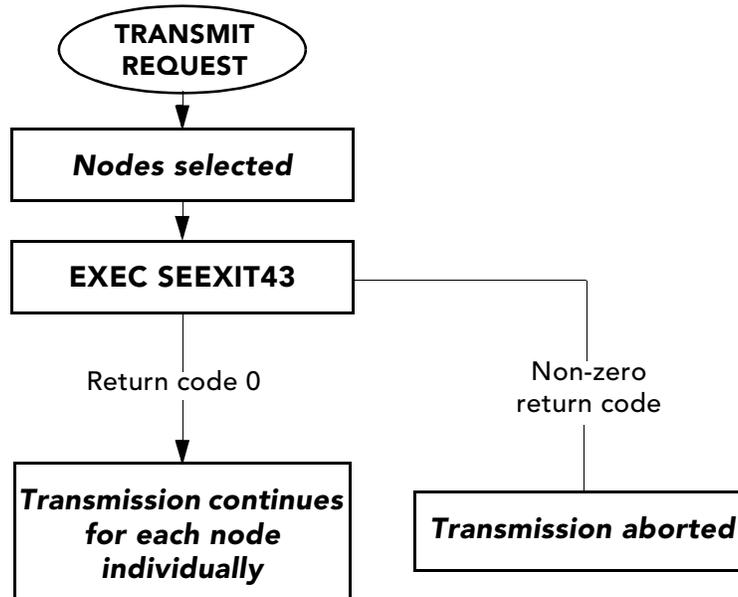
```
)ROUTINE
Exit 0                               /* Continue processing
```

## SEEXIT43 - MHO rule transmission exit (individual node control)

SEEXIT43 allows a decision to be made whether or not to continue processing for a specific node after nodes have been selected.

### When the exit is driven

SEEXIT43 may be executed during MHO transmission of a VSSE rule to other NC-PASS systems.



### Purpose

SEEXIT43 allows a decision to be made whether or not to continue processing for a specific node after nodes have been selected.

### Enabling the exit

SEEXIT43 is enabled by setting variable `&#x43xit43` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are available:

<code>&amp;#x43uid</code>	the userid performing the transmission.
<code>&amp;#x43rul</code>	the name of the rule being transmitted.
<code>&amp;#x43fnc</code>	the function STORE or LOAD. LOAD implies STORE.
<code>&amp;#x43nod</code>	the MHO node names of the NC-PASS job selected.

### Return codes

Set the return codes as appropriate.

0	continues the transmission.
non-zero	aborts the transmission.

### Example

The following NCI code allows processing to continue.

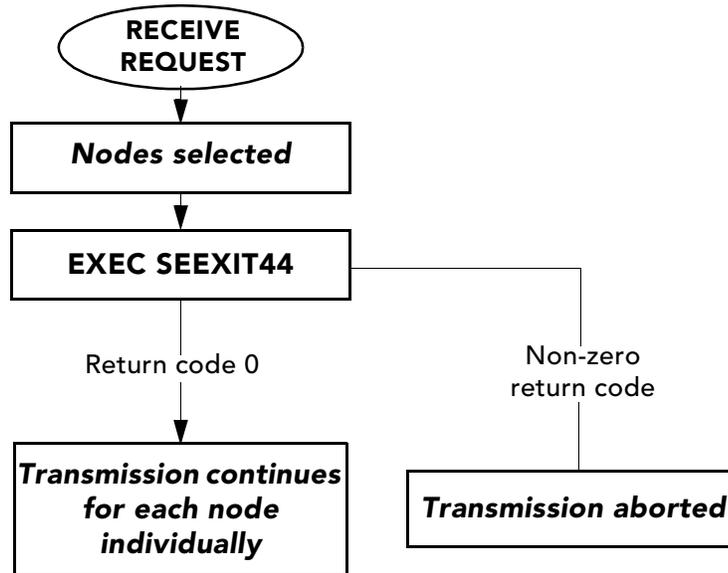
```
)ROUTINE  
Exit 0 /* Continue processing
```

## SEEXIT44 - MHO rule reception exit

SEEXIT44 can allow or deny further processing of a rule after nodes have been selected.

### When the exit is driven

SEEXIT44 may be executed during MHO reception of a VSSE rule from another NC-PASS system. It is driven before any processing of the rule has occurred.



### Purpose

This routine is driven if variable `&*/xit44` is set to Y in the startup exit `@SEEXIT0` and may be executed during MHO reception of a VSSE rule from another NC-PASS system. It is driven before any processing of the rule has occurred. The exit can allow or deny further processing.

### Enabling the exit

SEEXIT44 is enabled by setting variable `&*/xit44` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are available:

<code>&amp;#x44uid</code>	the userid originating the transmission.
<code>&amp;#x44rul</code>	the name of the rule being received.
<code>&amp;#x44fnc</code>	the function STORE or LOAD. LOAD implies STORE.
<code>&amp;#x44nod</code>	the MHO node name of the originating NC-PASS.

### Return codes

Set the return codes as appropriate.

0	continue processing.
non-zero	aborts the processing.

### Example

The following NCI code allows processing to continue.

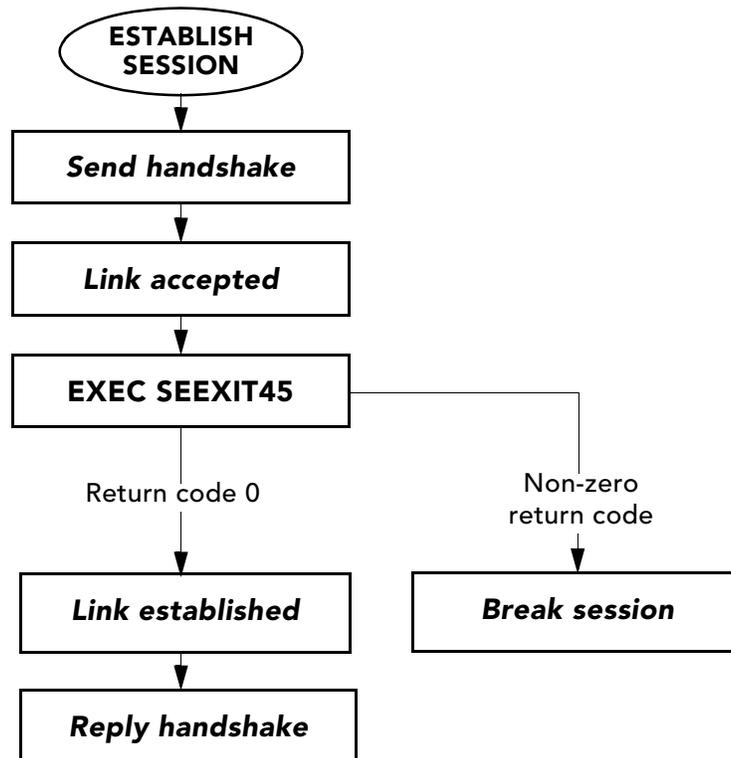
```
)ROUTINE
Exit 0                               /* Continue processing
```

## SEEXIT45 - APPC session establishment exit

SEEXIT45 allows you to control which partners a link can be established with, and also allows password processing for APPC session establishment.

### When the exit is driven

SEEXIT45 is driven after a link has been accepted, but before it has been established.



### Purpose

This routine is driven if variable `&*'xit45` is set to Y in the startup exit `@SEEXIT0`. It allows you to control which partners a link can be established with, and also allows password processing for APPC session establishment.

### Enabling the exit

SEEXIT45 is enabled by setting variable `&*'xit45` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are available for data from an APPC client:

<code>&amp;#x45acb</code>	the remote node name.
<code>&amp;#x45rem</code>	the remote system's name.
<code>&amp;#x45app</code>	the remote system's application identifier. This is NCPASS <code>nnn</code> for NC-PASS products, where <code>nnn</code> is the version, or any value for customer products.

The following read only variables are available for data from a TCP/IP client:

<code>&amp;#x45int</code>	the Internet address.
<code>&amp;#x45por</code>	the Port number.
<code>&amp;#x45cli</code>	the Client id.
<code>&amp;#x45app</code>	the remote system's application identifier.

## Modifiable variable

The following variable is also supplied and can be updated:

`&#x45pwd` password, if supplied.

## Return codes

Set the return codes as appropriate.

0 allows the handshake request (return with EXIT 0).

non-zero rejects the handshake request (return with EXIT 8).

If SEEXIT45 exits with a non-zero return code, NC-PASS will break the APPC or TCP/IP session; return code 0 will indicate that the session is to be allowed.

## Example of password verification using SEEXIT45

The following NCI code shows how the PASSWORD field could be used to verify the session partner:

The application MYAPPL will only be allowed access if password PASSW1 is supplied. The reply password is PASSW2. The only other applications allowed are NC-PASS applications.

```
)ROUTINE SEEXIT45
  If &#x45app(1:6) EQ NCPASS      /* Allow NCPASS products
    Exit 0
  If &#x45app(1:6) EQ MYAPPL      /* If MYAPPL
    If &#x45pwd = PASSW1          /* and password OK
      Set &#x45pwd = PASSW2      /* then set reply password
    Exit 0                        /* and allow link
  Exit 8                          /* otherwise reject link
```

## Using the SEDES exec in SEEXIT45

The passwords, sent as part of the handshake request and reply, can be encrypted; the example routine shown above could therefore be modified as follows for APPC clients:

```
)ROUTINE SEEXIT45
  If &#x45app(1:6) EQ NCPASS      /* Allow NCPASS products
    Exit 0
  If &#x45app(1:6) NE MYAPPL      /* If not appl MYAPPL
    Exit 8                        /* reject link
  EXEC SEDES DECRYPT &#x45pwd ABCDEFGH /* Decrypt the password
  If &@data EQ PASSW1 PADNULL     /* If password OK
    Set &$reply = PASSW2
    PADR &$reply 8 &sysxc00(1)
    EXEC SEDES ENCRYPT &$reply ABCDEFGH /* encrypt reply password
    Set &#x45pwd = &@data         /* set return variable
    Exit 0                        /* and allow link
  Exit 8                          /* otherwise reject link
```

## Using SEEXIT45 to select a session DES key

You can use SEEXIT45 to determine the DES key that will be used for encrypting data elements in all subsequent event transmissions, during the life of an APPC or TCP/IP session, as shown in the example below:

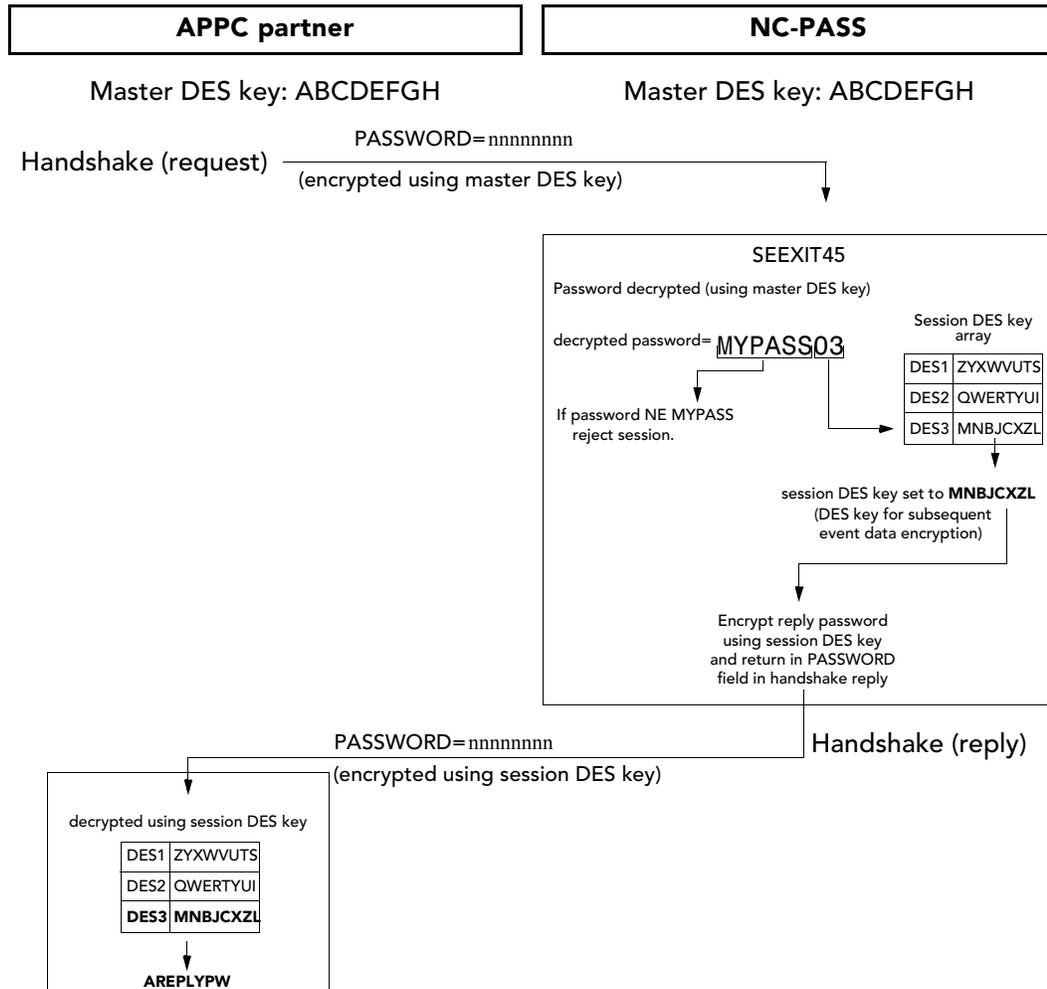
The APPC or TCP/IP partner sends a password that is encrypted under a hard-coded master DES key. When decrypted, the first six bytes are used for verification and the last two bytes are used to define a session DES key, from an array of possible keys. Both systems must define the same DES key array. The reply password is encrypted using the session key and returned in the PASSWORD field.

```

)ROUTINE SEEXIT45
Exec SEDES DECRYPT &#x45pwd ABCDEFGH /* Decrypt using master key
Set &pwd = &cdata /* Decrypted value
If &pwd(1:6) NE MYPASS /* Verify password portion
Exit 8 /* Invalid password
Set &keynum = &pwd (7:8) /* Find DES key no for today
Set &des01 = ZYXWVUTS /* Set up session DES array
Set &des02 = QWERTYUI /* keys. Use any HEX value.
Set &des03 = MNBXCZL /* It must not be translated
* Repeat up to 99 /* if talking to ASCII system.
Set &*skey = &&des&keynum /* Get session key from array.
Exec SEDES ENCRYPT 'AREPLYPW' &*skey /* Encrypt using session key
Set &#x45pwd = &cdata /* Reply password
Reset &pwd &keynum /* Tidy variables
Greset &des++
Exit 0

```

A diagrammatic representation of the above code is shown below:



The example on the previous page is coded for a single APPC partner. If more than one APPC partner is present, you may require a DES key for each. To achieve this, the example shown on the previous page could be modified for multiple APPC partners, as shown by the highlighted lines below.

```

)PANEL
VARNAMEL 255
)ROUTINE SEEXIT45
Exec SEDES DECRYPT &#x45pwd ABCDEFGH      /* Decrypt using master key
Set &pwd = &cdata                          /* Decrypted value
If &pwd(1:6) NE MYPASS                      /* Verify password portion
    Exit 8                                  /* Invalid password
Set &keynum = &pwd (7:8)                   /* Find DES key no for today
Set &des01 = ZYXWVUTS                      /* Set up session DES array
Set &des02 = QWERTYUI                      /* keys. Use any HEX value.
Set &des03 = MNBJCXZL                      /* It must not be translated
* Repeat up to 99                          /* if talking to ASCII system.
Strip &#x45acb
Set &&*skey&#x45acb = &&des&keynum      /* Get session key from array.
Exec SEDES ENCRYPT 'AREPLYPW' &&*skey&#x45acb
                                          /* Encrypt using session key
Set &#x45pwd = &cdata                      /* Reply password
Reset &pwd &keynum                         /* Tidy variables
Greset &des++
Exit 0

```

For example, if the name of the session partner's node is CLM01, variable &\*skeyCLM01 would be set to the required session DES key.

### Using session DES keys in SEEXIT61 and SEEXIT62

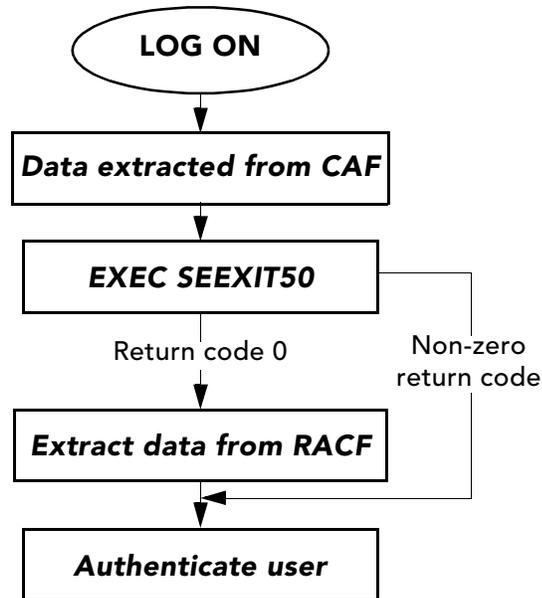
When the session DES key has been set in SEEXIT45, this key will be used to encrypt and decrypt subsequent event data in SEEXIT61 and SEEXIT62.

## SEEXIT50

SEEXIT50 allows the extraction of certain fields from the RACF database by alternative methods to those supplied with NC-PASS.

### When the exit is driven

SEEXIT50 is driven during the logon process when both the External user profile field on the LOGON DEFAULTS panel and the Use external profile field on the PROFILE DETAIL FOR *USERID* panel are set to Y, meaning that the RACF database will be searched for user data.



### Purpose

SEEXIT50 allows the extraction of the following fields by alternative methods to those supplied with NC-PASS:

- Bypass (TOKEN PROFILE DETAIL panel)
- Basic lock interval (PROFILE DETAIL FOR *USERID* panel).

### Enabling the exit

SEEXIT50 is enabled by setting variable `&*ixit50` to Y in the startup exit `@SEXIT00`.

### Read only variable

The following read only variable is available:

`&ix50uid` the id of the user logging on.

## Return codes

Set the following return codes in variable `&ix50rc` as appropriate.

- |                       |  |
|-----------------------|--|
| <code>0</code>        | continue processing by attempting to extract data from the RACF database.  |
| <code>non-zero</code> | continue processing without attempting to extract the data. In this case set the required data in the variables below. |

If the return code is non-zero, the following variables can be set to change the user's working profile:

- |                           |  |
|---------------------------|--|
| <code>&amp;ix50byp</code> | if this is set to Y, token processing will be bypassed. If token processing is required, set this variable to N. |
| <code>&amp;ix50loc</code> | set to a numeric value representing a lock interval on the user's profile on NC-PASS.                            |

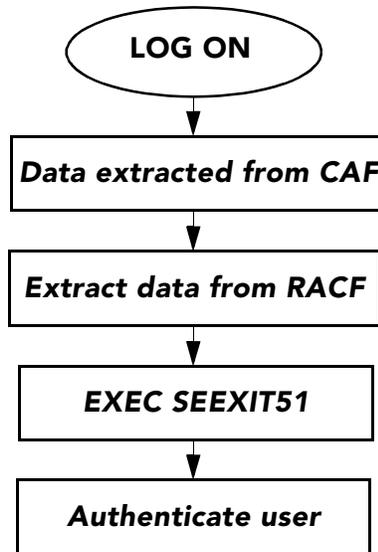
If either or both of these variables is set to a null value and the return code is non-zero, the value held in the working profile will be used.

## SEEXIT51

SEEXIT51 allows the extraction of certain fields from the RACF database by alternative methods to those supplied with NC-PASS:

### When the exit is driven

SEEXIT51 is driven during the logon process when both the External user profile field on the LOGON DEFAULTS panel and the Use external profile field on the PROFILE DETAIL FOR *USERID* panel are set to Y, meaning that the RACF database will be searched for user data.



### Purpose

SEEXIT51 allows the extraction of the following fields by alternative methods to those supplied with NC-PASS:

- Bypass (TOKEN PROFILE DETAIL panel)
- Basic lock interval (PROFILE DETAIL FOR *USERID* panel).

### Enabling the exit

SEEXIT51 is enabled by setting variable `&*ixit51` to Y in the startup exit @SEXIT00.

### Read only variable

The following read only variable is available:

`&ix51uid` the id of the user logging on.

### Modifiable variables

The following variables can be modified:

`&ix51byp` if this is set to Y, token processing will be bypassed. If token processing is required, set this variable to N.

`&ix51loc` set to a numeric value representing a lock interval on the user's profile on NC-PASS.

### Return codes

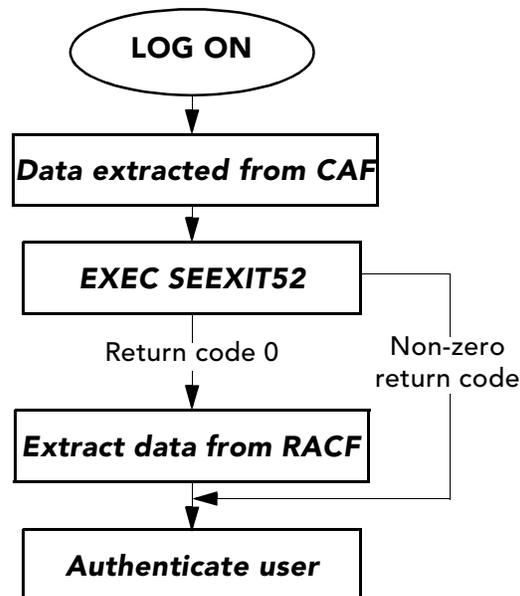
There are no return codes from this exit.

## SEEXIT52

SEEXIT52 allows the extraction of certain user profile fields from the RACF database by alternative methods to those supplied by NC-PASS.

### When the exit is driven

SEEXIT52 is driven during the logon process when both the External user profile field on the LOGON DEFAULTS panel and the Use external profile field on the PROFILE DETAIL FOR *USERID* panel are set to Y, meaning that the RACF database will be searched for user data.



### Purpose

SEEXIT52 allows the extraction of the following fields, as specified on the user profile by alternative methods to those supplied with NC-PASS:

- Connect code
- Connect destination
- Connect terminal
- Connect CINIT data.

### Enabling the exit

SEEXIT52 is enabled by setting variable `&*!xit52` to Y in the startup exit `@SEXIT00`.

### Read only variable

The following read only variable is available:

`&ix52uid` the id of the user logging on.

## Return codes

Set the following return codes in variable `&ix52rc` as appropriate.

- |                       |  |
|-----------------------|--|
| <code>0</code>        | continue processing by attempting to extract data from the RACF database.  |
| <code>non-zero</code> | continue processing without attempting to extract the data. In this case set the required data in the variables below. |

If the return code is non-zero, the following variables can be set to change the user's working profile:

- |                           |   |
|---------------------------|---|
| <code>&amp;ix52cod</code> | set to the connect code on the user profile. This can be set to E, K, M or N. |
| <code>&amp;ix52des</code> | set to the connect destination on the user profile.                           |
| <code>&amp;ix52ter</code> | set to the connect terminal on the user profile.                              |
| <code>&amp;ix52cin</code> | set to the connect CINIT data on the user profile.                            |

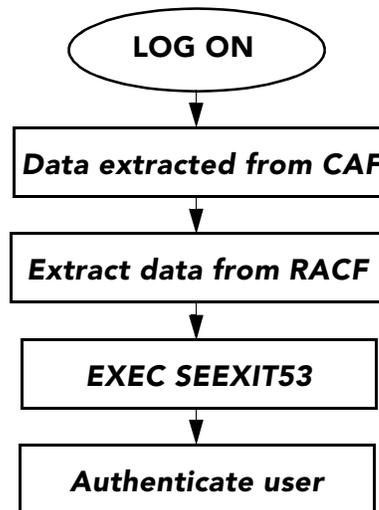
If any or all of these variables is set to a null value and the return code is non-zero, the value held in the working profile will be used.

## SEEXIT53

SEEXIT53 allows the extraction of certain fields from the RACF database by alternative methods to those supplied with NC-PASS.

### When the exit is driven

SEEXIT53 is driven during the logon process when both the External user profile field on the LOGON DEFAULTS panel and the Use external profile field on the PROFILE DETAIL FOR *USERID* panel are set to Y, meaning that the RACF database will be searched for user data.



### Purpose

SEEXIT53 allows the extraction of the following fields by alternative methods to those supplied with NC-PASS:

- Connect code
- Connect destination
- Connect terminal
- Connect CINIT data.

### Enabling the exit

SEEXIT53 is enabled by setting variable `&*ixit53` to Y in the startup exit @SEXIT00.

### Read only variable

The following read only variable is available:

`&ix53uid` the id of the user logging on.

### Modifiable variables

The following variables can be modified:

`&ix53cod` set to the connect code on the user profile. This can be set to E, K, M or N.

`&ix53des` set to the connect destination on the user profile.

`&ix53ter` set to the connect terminal on the user profile.

`&ix53cin` set to the connect CINIT data on the user profile.

### Return codes

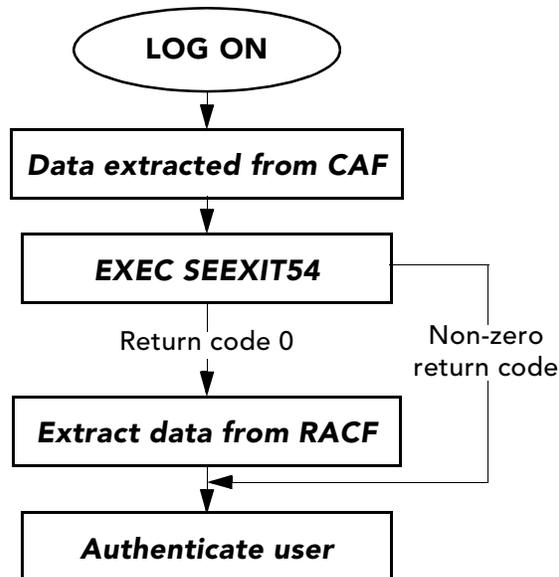
There are no return codes from this exit.

## SEEXIT54

SEEXIT54 allows the extraction of certain user profile fields from the RACF database by alternative methods to those supplied with NC-PASS.

### When the exit is driven

SEEXIT54 is driven during the logon process when both the External user profile field on the LOGON DEFAULTS panel and the Use external profile field on the PROFILE DETAIL FOR *USERID* panel are set to Y, meaning that the RACF database will be searched for user data.



### Purpose

SEEXIT54 allows the extraction of the following fields, as specified on the user profile by alternative methods to those supplied with NC-PASS:

- the three character token type to be used by the user eg WW1
- the token serial number.

### Enabling the exit

This routine is driven if variable `&*ixit54` is set to Y in the startup exit `@SEXIT00`.

### Read only variable

The following read only variable is available:

`&ix54uid` the id of the user logging on.

## Return codes

Set the following return codes in variable `&ix54rc` as appropriate.

<code>0</code>	continue processing by attempting to extract data from the RACF database.
non-zero	continue processing without attempting to extract the data. In this case set the required data in the variables below.

If the return code is non-zero, the following variables can be set to change the user's working profile:

<code>&amp;ix54typ</code>	set to the three character token type of the token to be used eg WW1.
<code>&amp;ix54tkn</code>	set to the token serial number.

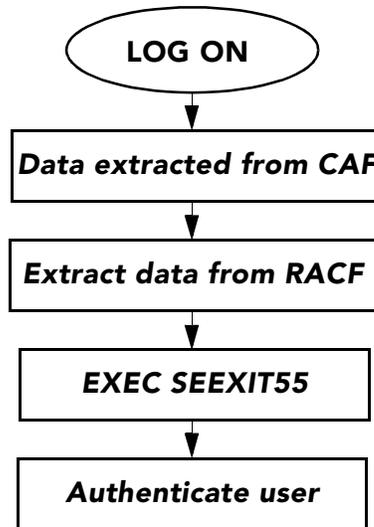
If either or both of these variables is set to a null value and the return code is non-zero, the value held in the working profile will be used.

## SEEXIT55

SEEXIT55 allows the extraction of certain fields from the RACF database by alternative methods to those supplied with NC-PASS.

### When the exit is driven

SEEXIT55 is driven during the logon process when both the External user profile field on the LOGON DEFAULTS panel and the Use external profile field on the PROFILE DETAIL FOR *USERID* panel are set to Y, meaning that the RACF database will be searched for user data.



### Purpose

SEEXIT55 allows the extraction of the following fields from the RACF database by alternative methods to those supplied with NC-PASS:

- the three character token type to be used by the user eg WW1
- the token serial number.

### Enabling the exit

SEEXIT55 is enabled by setting variable *&'xit55* to Y in the startup exit @SEXIT00.

### Read only variable

The following read only variable is available:

*&'x55uid*            the id of the user logging on.

### Modifiable variables

The following variables can be modified:

*&'x55typ*            set to the three character token type of the token to be used eg WW1.

*&'x55tkn*            set to the token serial number.

### Return codes

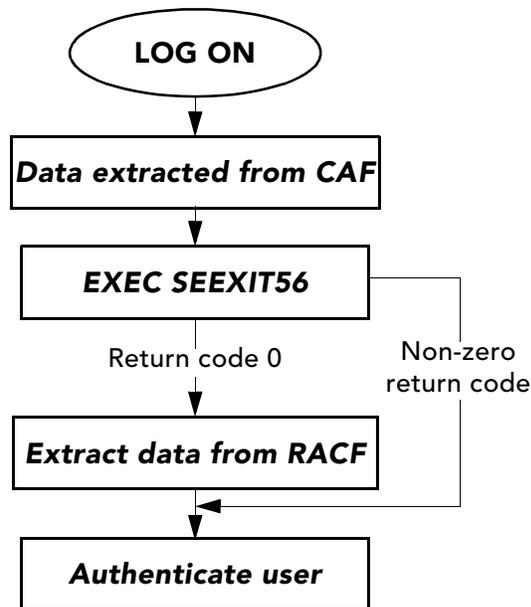
There are no return codes from this exit.

## SEEXIT56

SEEXIT56 allows the extraction of certain fields from the RACF database by alternative methods to those supplied with NC-PASS.

### When the exit is driven

SEEXIT56 is driven during the logon process when both the External user profile field on the LOGON DEFAULTS panel and the Use external profile field on the PROFILE DETAIL FOR *USERID* panel are set to Y, meaning that the RACF database will be searched for user data.



### Purpose

SEEXIT56 allows the extraction of the following field from the RACF database, as specified on the user profile by alternative methods to those supplied with NC-PASS:

- the risk values required (USER RISK PROFILE panel).

### Enabling the exit

SEEXIT56 is enabled by setting variable `&*!xit56` to Y in the startup exit `@SEXIT00`.

### Read only variable

The following read only variable is available:

`&!x56uid` the id of the user logging on.

## Return codes

Set the following return codes in variable `&ix56rc` as appropriate.

- |                |  |
|----------------|--|
| <code>0</code> | continue processing by attempting to extract data from the RACF database.  |
| non-zero       | continue processing without attempting to extract the data. In this case set the required data in the variables below. |

If the return code is non-zero, the following variable can be set to change the user's working profile:

- |                           |  |
|---------------------------|--|
| <code>&amp;ix56ris</code> | set to the risk values required in the format <i>a,b</i> where the comma (,) is the separator value. A value may be specified which matches a column of risk on the USER RISK PROFILE panel. This value will be used for the logon in progress. For further information on risk profiles refer to the section entitled <i>User risk profiles</i> on page 3.6 (Volume 1). |
|---------------------------|--|

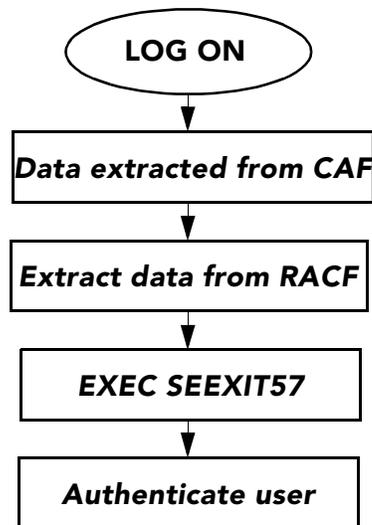
If this variable is set to a null value and the return code is non-zero, the value held in the working profile will be used.

## SEEXIT57

SEEXIT57 allows the extraction of certain fields from the RACF database by alternative methods to those supplied with NC-PASS.

### When the exit is driven

SEEXIT57 is driven during the logon process when both the External user profile field on the LOGON DEFAULTS panel and the Use external profile field on the PROFILE DETAIL FOR *USERID* panel are set to Y, meaning that the RACF database will be searched for user data.



### Purpose

SEEXIT57 allows the extraction of the following field from the RACF database by alternative methods to those supplied with NC-PASS:

- the risk values required (USER RISK PROFILE panel).

### Enabling the exit

SEEXIT57 is enabled by setting variable `&*!xit57` to Y in the startup exit @SEXIT00.

### Read only variable

The following read only variable is available:

`&!x57uid` the id of the user logging on.

### Modifiable variable

The following variable can be modified:

`&!x57ris` set to the risk values required in the format *a,b* where , (comma) is the separator value. A value may be specified which matches a column of risk on the USER RISK PROFILE panel. This value will be used for the logon in progress. For further information on risk profiles refer to the section entitled *User risk profiles* on page 3.6 (Volume 1).

### Return codes

There are no return codes from this exit.

## SEEXIT58

SEEXIT58 allows an NC-PASS ticket to be accepted after it has been rejected by NC-PASS.

### When the exit is driven

SEEXIT58 is driven during processing of NC-PASS ticket validation.

### Purpose

SEEXIT58 allows an NC-PASS ticket to be accepted when it has been rejected by NC-PASS.

### Enabling the exit

SEEXIT58 is enabled by setting variable `&|xit58` to Y in the startup exit `@SEXIT00`.

### Read only variable

The following read only variables are available:

<code>&amp; x58usr</code>	the id of the user logging on.
<code>&amp; x58app</code>	the application name.

### Return codes

Ticket validation returns a code in variable `&|x58rc` as follows:

0	the ticket is valid.
4	the ticket is valid but expired (found, but the time difference between the ticket time and the current time is greater than the ticket timeout interval).
8	the ticket exists but has been used already (found, but flagged as used).
12	a ticket exists but does not match the one supplied.
16	no such ticket exists. This could be that the ticket was never created, the PASS job has been restarted since the ticket was created or the ticket had been on the queue for more than twice the ticket timeout interval.
20	the request does not include a userid and application.

Set the final return codes as appropriate.

0	the ticket will be accepted.
8	the ticket will not be accepted.

### Example

The following NCI code allows tickets to be processed if they have expired, but not if they fail for another reason.

```
)ROUTINE SEEXIT58
If &|x58rc EQ 4
    Exit 0 /* Set return code to 0
Exit 8 /* Set return code to 8
```

## SEEXIT60

SEEXIT60 is the TCP/IP environment startup exit.

### When the exit is driven

SEEXIT60 is executed immediately before the startup of the TCP/IP environment.

### Purpose

SEEXIT60 allows you to change specific default values for the TCP/IP environment, as described below.

### Enabling the exit

SEEXIT60 is enabled by setting the variable `&'xit60` to Y in the startup exit SEEXIT70.

### Modifiable variables

The following variables are supplied and may be updated:

<code>&amp;'x60job</code>	the name of the TCP/IP job.
<code>&amp;'x60tim</code>	the time-out interval in minutes, up to a maximum of 99, for Client connections. This specifies the time between the Client sending the CONNECT and the HANDSHAKE. For example, if you set this variable to 10 (the default), and a Client sends CONNECT data, the HANDSHAKE data must follow within 10 minutes or NC-PASS will disconnect the Client and free up the allocated Socket.  Specify 0 to disable this feature.
<code>&amp;'x60int</code>	on exit this variable can be loaded with an Internet address. If not, TCP/IP within NC-PASS will use the default Internet address for the system.

### Return codes

There are no return codes from this exit.

## SEEXIT61

SEEXIT61 is used to decrypt TLI request data.

### When the exit is driven

SEEXIT61 is driven immediately after the TLI data is received from a remote partner. NC-PASS checks the data to ensure the header is valid, drives SEEXIT61 if enabled and then continues to process the data as required.

### When the exit is NOT driven

SEEXIT61 is not driven for a TLI process code 00 (Handshake data).

### Purpose

SEEXIT61 can be used for the following purposes:

- to modify the data received for the request  
This does not affect the header of the data received. The data may be decrypted if required. The decision to modify the data can be based on the contents of the read-only variables described below.
- to decide whether or not to continue to process the record.  
See the section entitled *Return codes* on page 5.53.

### Enabling the exit

SEEXIT61 is enabled by setting the variable `&*ixit61` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are available for data from an APPC client:

<code>&amp;ix61acb</code>	the remote node of the sender.
<code>&amp;ix61rem</code>	the remote partner.
<code>&amp;ix61app</code>	the Application within which the partner is operating.
<code>&amp;ix61pro</code>	the Process Code.

The following read only variables are available for data from a TCP/IP client:

<code>&amp;ix61int</code>	the Internet address of the sender.
<code>&amp;ix61por</code>	the Port number of the sender.
<code>&amp;ix61app</code>	the Application within which the Client is operating.
<code>&amp;ix61cli</code>	the Client Id.
<code>&amp;ix61pro</code>	the Process Code.

### Modifiable variables

The following variable is supplied and may be updated:

<code>&amp;ix61dat</code>	the request data.
---------------------------	-------------------

## Return codes

Set the return codes as appropriate:

- 0 continue to process the record.
- 4 ignore this record, but continue to communicate and therefore accept subsequent requests.
- 8 reject this record, sever communications, close the TCP/IP socket or reject the APPC conversation, and therefore accept no further requests.

## Example

The following example is for use with APPC clients.

Example 1 - Decrypt data

```
SEDES      Encrypt data using des key. Data must be in multiples of
           8 bytes in length.
           EXEC SEDES ENCRYPT &text ABCDEFGH
           will set &data to the value of &text DES encrypted using
           key ABCDEFGH. The same key (use hex values if ASCII) must
           be available for decryption.
           EXEC SEDES DECRYPT &text ABCDEFGH
           will set &data to the clear text value of DES encrypted
           data in &text using key ABCDEFGH.

)PANEL
Varnamel 255
)ROUTINE
If &|x61acb EQ ''                               /* Not APPC, so exit
    Exit 0
* If using different encryption for each partner, uncomment the
* following line, and change references from &*deskey to &deskey
*Set &deskey = &&*skey&|x61acb
Exec SEDES DECRYPT &|x61dat &*deskey             /* Decrypt data
Set &|x61dat = &data
Stripr &|x61dat &sysxc00(1)                     /* Remove '00'x padding
EXIT 0
```

In the example above variable *&\*deskey* has been set to contain the same DES key used by the remote partner to encrypt the data; refer to *DES encryption* on page 5.65.

## SEEXIT62

SEEXIT62 is used to encrypt TLI reply data.

### When the exit is driven

SEEXIT62 is driven immediately before the TLI reply data is sent to a remote partner.

### When the exit is NOT driven

SEEXIT62 is not driven for a TLI process code 00 (Handshake data).

### Purpose

SEEXIT62 can be used to modify the data before it is sent to the remote partner. This does not affect the header of the data. The data may be encrypted if required. The decision to modify the data can be based on the contents of the read-only variables described below.

### Enabling the exit

SEEXIT62 is enabled by setting the variable `&!*xit62` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are available for data from an APPC client:

<code>&amp;ix62acb</code>	the remote node of the sender.
<code>&amp;ix62app</code>	the Application within which the partner is operating.
<code>&amp;ix62rem</code>	the remote partner.
<code>&amp;ix62pro</code>	the Process Code.

The following read only variables are available for data from a TCP/IP client:

<code>&amp;ix62int</code>	the Internet address of the remote client.
<code>&amp;ix62por</code>	the Port number of the remote client.
<code>&amp;ix62app</code>	the Application within which the Client is operating.
<code>&amp;ix62cli</code>	the Client Id.
<code>&amp;ix62pro</code>	the Process Code.

### Modifiable variable

The following variable is supplied and may be updated:

<code>&amp;ix62dat</code>	the reply data.
---------------------------	-----------------

### Return codes

There are no return codes from this exit.

## Example

The following example is for use with APPC clients.

### Example 1 - Encrypt data

```
SEDES      Encrypt data using des key. Data must be in multiples of
           8 bytes in length.
           EXEC SEDES ENCRYPT &text ABCDEFGH
           will set &çdata to the value of &text DES encrypted using
           key ABCDEFGH. The same key (use hex values if ASCII) must
           be available for decryption.
           EXEC SEDES DECRYPT &text ABCDEFGH
           will set &çdata to the clear text value of DES encrypted
           data in &text using key ABCDEFGH.

)PANEL
Varnamel 255
)ROUTINE
If &|x62acb EQ ''                                /* Not APPC, so exit
    Exit 0
* If using different encryption for each partner, uncomment the
* following line, and change references from &*deskey to &deskey
*Set &deskey = &&*skey&|x62acb
Exec SEDES ENCRYPT &|x62dat &*deskey             /* Encrypt data
Set &|x62dat = &çdata
EXIT 0
```

In the example above variable *&\*deskey* has been set to contain the same DES key used by the remote partner to decrypt the data; refer to *DES encryption* on page 5.65.

## SEEXIT63 - TCP/IP user exit

SEEXIT63 allows customer decryption with non-PassGo Technologies TLI applications using TCP/IP.

### When the exit is driven

SEEXIT63 is driven for TLI process codes 01 (Request Access Rights), 03 (Request for validation/authentication), 04 (Request for password change), 07 (Request for SDP token PIN change).

### Purpose

SEEXIT63 can be used to allow customer decryption of password fields when using your own TLI application, and to allow you to reject requests according to Client identities.

### Enabling the exit

SEEXIT63 is enabled by setting the variable `&*!xit63` to Y in the startup exit `@SEEXIT0`.

### Read only variables

The following read only variables are available:

<code>&amp;!x63int</code>	the Internet address.
<code>&amp;!x63por</code>	the Port number.
<code>&amp;!x63app</code>	the Application.
<code>&amp;!x63cli</code>	the Client id.

### Modifiable variables

The following variables are supplied and may be updated:

<code>&amp;!x63pwd</code>	the password.
<code>&amp;!x63msg</code>	may be set to a message (maximum 80 chars) to be returned to the calling Client if EXIT 8 is used.

### Return codes

Set the return codes as appropriate:

0	allow the request.
8	reject the request due to client identity.

### Example exit

The Client CLIENT3 uses the TLI to authenticate users and encrypts passwords by reversing the hex character representation of the password, ie ABC123 ('C1C2C3F1F2F3'x) is encrypted to '3F2F1F3C2C1C'x. The supplied routines @UTC2X and @UTX2C and the REVERSE NCI statement are used to decrypt the data.

```
)ROUTINE SEEXIT63
If &!x63cli eq CLIENT3
  Exec @UTC2X &!x63pwd &xpw
  Reverse &xpw = &xpw
  Exec @UTX2C &xpw !X63pwd
EXIT 0
```

## SEEXIT65 - Update TLI parameter list

SEEXIT65 allows the TLI parameter list to be updated.

### When the exit is driven

SEEXIT65 is driven during the TLI process.

### Purpose

SEEXIT65 is used to update the TLI parameter list.

### Enabling the exit

SEEXIT65 is enabled by setting the variable `&*!xit65` to Y in the startup exit `@SEEXIT0`.

### Modifiable variables

The following variable is supplied and may be updated:

`&|x65dat` the parameter list.

### Return codes

There are no return codes from this exit.

### Example

The supplied ASCEND/RADIUS software submits TLI transactions with an 'INSTDATA=' value of 'UAP'. RACF database standards require that a value of 'RADIUS' is used. The following NCI code allows the value to be changed.

```
)ROUTINE SEEXIT65
  Scan &|x65dat for 'UAP'          /* Search for RADIUS-supplied parameter
  If &usrretc eq '0'              /* If it is not found, then it cannot
    Exit                          /* be modified
  Set &@pos = &usrretc            /* Note the start position of the
  Decr &@pos                      /* parameter and decrement by one.
  Set &@work = &&|x65dat(:&@pos.) /* Extract the TLI parameters up
  Calc &@pos = &@pos.+4           /* to the 'UAP' parameter.
  Set &|x65dat = &@work.RADIUS&&|x65dat(&@pos.)) /* Replace with
  Exit                            /* 'RADIUS'
```

## **SEEXIT70**

Exit SEEXIT70 is a job-startup exit routine.

### **When the exit is driven**

SEEXIT70 is driven before the @SEEXIT0 startup exit.

### **Purpose**

SEEXIT70 can be used, for example, to enable exit SEEXIT60, described in *SEEXIT60* on page 5.51.

### **Return codes**

There are no return codes from this exit.

## WEXIT27 - the central administration file (CAF) read/write exit

This exit provides a facility for examining and altering the VSAM KSDS records of the Central Administration File (CAF) at I/O level, and can be used to provide a basis for the routing of records through a specified encryption/decryption procedure.

### Enabling the exit

Immediately before a file is opened, NCI exit WEXIT27 is driven. The name of the assembler load module which is to be invoked by WEXIT27 before each I/O operation and which is to perform the examination/alteration of file data, must be set into variable `&#x27rwx`. The name of the file being opened can be determined by examining NCI variable `&#x27fn`.

### Coding the exit

The exit is passed control in 31 bit mode. On entry, register 1 points to the address of a parameter list containing the following information:

1 byte - E or D

where:

E - Encryption required (OUTPUT operations)

D - Decryption required (INPUT operations).

1 byte - Reserved.

4 bytes - Address of the originating terminal's PLIST area. The address of the PLIST area is required for any NCDIALOG macro calls issued.

30 bytes - NC-VSAM filename.

4 bytes - Address of non-key data in VSAM record.

4 bytes - Length of non-key data.

For output operations the record contains the Last Write Date (LWD) field, if LWD support is active.

While the routine is running, I/O is not performed on the CAF for any other resource.

### Warning

1. If this exit is used for encryption/decryption purposes and records read from the CAF have not been encrypted, you must first run a batch job to encrypt all records on the file beforehand.
2. The encryption/decryption of KSDS records must only occur on the non-key section of a record. Keys must not be altered.

## Example of an encryption/decryption procedure

```

*****
*
* FUNCTION      : NC-VSAM USER READ/WRITE EXIT. SAMPLE USER EXIT THAT *
*                ENCRYPTS AND DECRYPTS VSAM RECORDS.                   *
*
*                ENCRYPTED RECORDS ARE STORED ON DISK.                 *
*                NOTE: THAT ONLY THE NON KEY AREA OF THE VSAM RECORD *
*                MAY BE MODIFIED, THE VSAM KEY ITSELF IS NOT         *
*                MODIFIABLE.                                          *
*
*                THIS PARTICULAR EXIT ISSUES 2 NCDIALOG LOG MESSAGES *
*                TO SHOW WHAT TYPE OF REQUEST IT HAS RECEIVED.       *
*
*                THE 2ND LOG MSG PRINTS UP TO 1ST 50 BYTES OF NONKEY *
*                DATA. FOR AN ENCRYPT CALL, THE DISPLAYED MESSAGE    *
*                CONTAINS RCD BEFORE ENCRYPTION (IE: CLEAR TEXT),    *
*                FOR A DECRYPT CALL (EG: AN IOREAD FUNCTION) IT      *
*                CONTAINS ENCRYPTED DATA (BYTES ARE SHOWN SWAPPED). *
*
*                IT 'ENCRYPTS' THE NON-KEY DATA BY SWAPPING          *
*                THE 1ST 2 BYTES OF THE NON-KEY AREA AROUND.        *
*                DECRYPTION IS SIMPLY THE OPPOSITE.                 *
*
* INVOKED       : VARIABLE &X27RWX HAS TO BE SET TO THE NAME OF THIS *
*                MODULE (IE: IOENCDEC) PRIOR TO ISSUING THE IOOPEN. *
*
* PARAMETERS    : R1 ADDRESSES A PARMLIST CONTAINING 1 FULLWORD     *
*                PASSED WHICH IS THE ADDRESS OF THE PARAMETER AREA *
*
*****
WSPLEVEL
IOENCDEC WENTER RENT=YES,SIZE=WAREAL,SAVE=(R13)
        USING WAREA,R13
        L      R2,0(R1)          GET ADDRESS OF PARM AREA
        USING PARMLIST,R2       USE IO-VSAM INTERNAL USE ONLY MACRO
*
        MVI LOGMSG,C' '
        MVC LOGMSG+1(L'LOGMSG-1),LOGMSG
        MVC LOGMSG(LOGMSG1E),LOGMSG1 SET UP MESSAGE 1
        MVC LOGMSG+LOGMSG1A-LOGMSG1(1),TYPE E OR D
        MVC LOGMSG+LOGMSG1C-LOGMSG1(30),FILENAME FILENAME
        NCDIALOG LOG,PARM=PLIST,AREA=LOGMSG,LEN=L'LOGMSG
*
        MVI LOGMSG,C' '
        MVC LOGMSG+1(L'LOGMSG-1),LOGMSG
        MVC LOGMSG(LOGMSG2E),LOGMSG2 SET UP MESSAGE 2
        L      R3,DATALEN        NON-KEY DATA LEN
        CVD R3,DWD
        UNPK LOGMSG+LOGMSG2A-LOGMSG2(5),DWD+5(3)
        OI LOGMSG+LOGMSG2A-LOGMSG2+4,X'FO' NORMALIZE ZONE
        L      R4,DATAADDR        ADDR OF NON KEY DATA
        CH R3,H50                 OVER 50 BYTES OF NONKEY DATA?
        BNH NONKEYOK             NOPE
        LA R3,50                 MAX LEN WE CAN DISPLAY
NONKEYOK DS 0H
        BCTR R3,0                 LESS 1 FOR MVC
        EX R3,*+4                 MOVE MAX 50 TO LOGMSG AREA
        MVC LOGMSG+LOGMSG2B-LOGMSG2(0),0(R4) NON-KEY DATA
        NCDIALOG LOG,PARM=PLIST,AREA=LOGMSG,LEN=L'LOGMSG

```

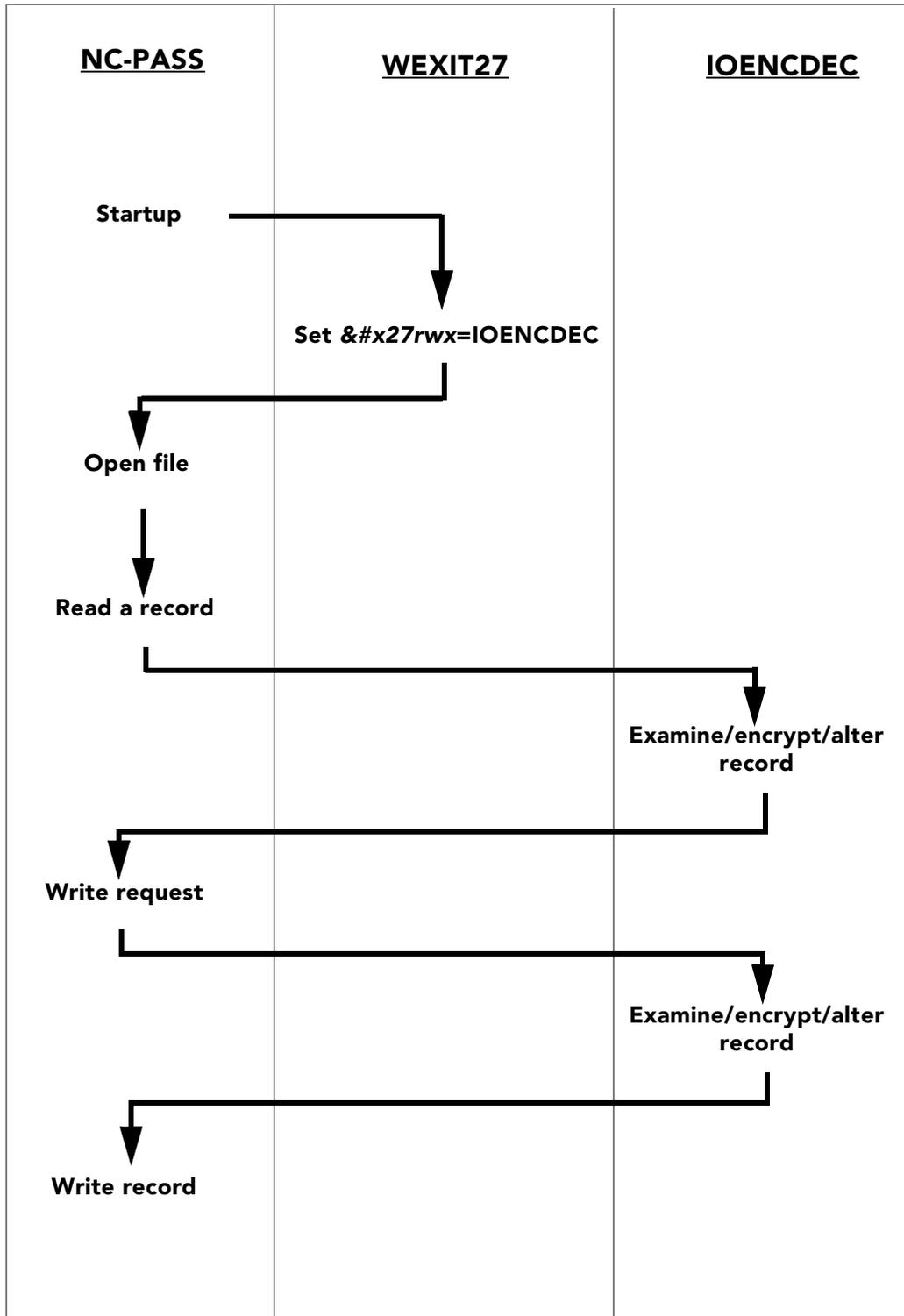
```

*
* WHETHER IT IS AN ENCRYPT OR DECRYPT WE SIMPLY SWAP 1ST 2 BYTES
* OF NON-KEY DATA AREA
*
      XC      0(1,R4),1(R4)
      XC      1(1,R4),0(R4)
      XC      0(1,R4),1(R4)
RETURN DS OH
      SLR     R15,R15                SET RETURN CODE 0
      WEXIT
*****
* READ ONLY STORAGE
*****
LOGMSG1  DC      C'FUNCTION='
LOGMSG1A DC      C' '                E OR D (TYPE)
          DC      C', FILENAME='
LOGMSG1C DC      CL30' '            NC-VSAM FILENAME
LOGMSG1E EQU     *-LOGMSG1
*
LOGMSG2  DC      C'NON-KEY DATA LEN='
LOGMSG2A DC      CL5' '
          DC      C', START OF NON-KEY DATA='
LOGMSG2B DC      CL50' '
LOGMSG2E EQU     *-LOGMSG2
H50      DC      H'50'
          LTORG
*****
* READ/WRITE STORAGE
*****
WAREA    DSECT
SAVEAREA DS      18F
DWD      DS      D
LOGMSG   DS      CL(LOGMSG2E)      ROOM FOR LARGEST MESSAGE
WAREAL   EQU     *-WAREA
*****
PARMLIST DSECT
TYPE     DS      C                * TYPE IDENTIFIER
ENCRYPT   EQU     C'E'              * ...E=ENCRYPT REQUIRED
DECRYPT   EQU     C'D'              * ...D=DECRYPT REQUIRED
          DS      C                * RESERVED
FILENAME DS      CL30             * NC-VSAM FILE NAME
PLIST    DS      F                * NCDIALOG PLIST POINTER
DATALEN  DS      A                * NONKEY DATA LENGTH
DATAADDR DS      A                * NONKEY DATA ADDRESS
PARMLSTL EQU     *-PARMLIST       * LENGTH OF SMALLEST PARM AREA
*****
WREGS
END

```

**Summary of operations for an encryption/decryption procedure**

The logic flow of I/O operations using the read/write exit can be graphically represented as follows:



---

## Encryption

The following types of encryption are available:

### Internal encryption

Provided as standard with NC-PASS. APPC or TCP/IP links with other NC-PASS products use DES encryption on sensitive data.

### Customer encryption

You may prefer to use your own encryption, for example, to conform to site standards.

### APPC

For APPC links, the data transmitted between APPC partners and NC-PASS can be protected by customer encryption either as a whole or at field level.

#### Whole data encryption/decryption

The records transmitted to or from an APPC partner consist of a header followed by the data. SEEXIT61 and SEEXIT62 allow the data part of the record to be encrypted or decrypted as a whole.

#### Field level encryption/decryption

SEEXIT40 can be used with process codes 01, 03, 04 and 07 to encrypt/decrypt data at the field level.

### TCP/IP

For TCP/IP links, the data transmitted between TCP/IP partners and NC-PASS can be protected by customer encryption either as a whole or for the password field only.

#### Whole data encryption/decryption

The records transmitted to or from a TCP/IP partner consist of a header followed by the data. SEEXIT61 and SEEXIT62 allow the data part of the record to be encrypted or decrypted as a whole.

#### Password encryption/decryption

SEEXIT63 can be used with process codes 01, 03, 04 and 07 to encrypt/decrypt data at the field level.

---

## Security

There are two principal security issues:

- that APPC or TCP/IP session partners are authorized partners
- that sensitive data, eg passwords, is not transmitted in clear text.

Three exits, SEEXIT45, SEEXIT61 and SEEXIT62 are provided to address these issues. These exits can be used on their own or together.

### Verification of APPC or TCP/IP partners

A user field PASSWORD is provided as part of the handshake data and is intended to be used to check that the APPC or TCP/IP link request is from an authorized partner.

The handshake data fields are made available to exit SEEXIT45 so that they can be checked. Refer to *Chapter 2 - Transaction Level Interface (TLI)* for the structure of handshake data.

---

## DES encryption

DES is a well known encryption/decryption program. A new SEDES exec provides DES encryption and decryption services and is available for use in exits.

### Using SEDES for DES encryption and decryption

The SEDES exec has the following format:

```
EXEC SEDES mode text deskey
```

where:

<i>mode</i>	is either ENCRYPT or DECRYPT.
<i>text</i>	is the data, or the name of a variable containing the data to be encrypted/decrypted. The length of the data must be a multiple of eight.
<i>deskey</i>	is the eight-byte DES key, or the name of a variable containing the DES key, to be used to encrypt/decrypt the data. The same key must be used to decrypt the data as was used to encrypt it.

The resultant encrypted or decrypted data is in variable *&data*.

### Return codes

Return codes from this exec are:

1	invalid function.
2	invalid parameters.
4	warning, semiweak key used.
8	warning, weak key used.
12	insufficient parameters provided.
16	des key zero length.
20	des key not eight bytes in length.
24	text block zero length.
28	function zero length (ENCRYPT/DECRYPT).
32	given function is invalid (ENCRYPT/DECRYPT).
36	initial chain value zero length.
40	initial chain value not eight bytes in length.
44	character set zero length (ASCII/EBCDIC).
48	character set invalid (ASCII/EBCDIC).
64	catastrophic error, GETMAIN failure.
68	catastrophic error, FREEMAIN failure.

If you receive one of the above errors and are unable to resolve it, contact your local PassGo Technologies support office.

## Defining DES keys

When encrypted data is transmitted between NC-PASS and a remote partner, both systems must ensure that the same DES key is used to encrypt and decrypt the data.

DES keys are defined as HEX values; they should **not** be translated from EBCDIC to ASCII or vice-versa.

For example, DES key x'504E4C5A504E4C5A' displays as EBCDIC &+<!&+<!. If you translate this to ASCII &+<!&+<!, the DES key on the ASCII system is different (x'262B3C21262B3C21'). The DES keys on both systems should therefore be the same **hex** value, eg x'504E4C5A504E4C5A'. (EBCDIC &+<!&+<!, ASCII **PNLZPNLZ**.)

## Chapter 6 - Messages and abend codes

Introduction .....	6.2
NC-PASS messages .....	6.3
NCI abend codes .....	6.197
Local Support Office reporting .....	6.197
EDIT information messages .....	6.199
NetView Alert messages .....	6.204
Code points .....	6.204

---

## Introduction

NC-PASS messages are prefixed with 'CKNA' by default. If you want to change the NC-PASS messages to show your own four-character prefix, add the MPFX parameter to member PASSJCL in dataset \*PREFIX\*.CNTL and set it to the required value.

For example:

```
EXEC PGM=NCI,  
PARM='OPER=,SUFF=,BUFF=2000,MODE=ENHANCED,MPFX=NCPA',
```

The change will take effect the next time the NC-PASS job is started.

---

## NC-PASS messages

### CKSE0001-6 PLEASE ENTER YOUR USERID

- Explanation:** The user is required to enter his userid as part of the logon procedure.
- System action:** Awaits user response.
- User response:** Enter the appropriate userid.

### CKSE0002-6 PLEASE ENTER YOUR PASSWORD

- Explanation:** The user has attempted to log on from an NC-PASS logo without entering a password. The profile for this user on the NC-PASS database specifies that a password must be entered.
- System action:** The user is not permitted to log on.
- User response:** Enter the appropriate password.

### CKSE0003-6 PLEASE RETYPE YOUR NEW PASSWORD

- Explanation:** The user has attempted to log on by entering a password that has expired or been changed.
- System action:** The system provides a panel where the new password may be specified. To prevent errors the new password must be typed twice.
- User response:** Enter the password where indicated by the cursor position.

### CKSE0005-8 THAT KEY HAS NO MEANING - PLEASE RETRY

- Explanation:** The user has pressed a function key that has no action assigned to it. This error could occur in any displayed NC-PASS panel.
- System action:** None.
- User response:** The user determines which action is required and presses an appropriate key. Key actions are described in the help text, obtainable by pressing <F1> or <F13>.

### CKSE0006-8 INVALID OPTION - PLEASE RESPECIFY

- Explanation:** The user has entered a non-existent menu option.
- System action:** The system redisplay the menu.
- User response:** Enter a valid menu option.

### CKSE0007-8 INVALID SELECT CODE - PLEASE RESPECIFY

- Explanation:** An invalid line command has been entered.
- System action:** No action is taken, the panel is redisplayed.
- User response:** The user enters a valid line command if necessary. Refer to help text for valid commands.

### CKSE0008-8 PLEASE SELECT ONE OR MORE USERS FOR FURTHER PROCESSING

- Explanation:** You are performing a function that requires you to select a user to process.
- System action:** None.
- User response:** Select a user from the list.

### CKSE0009-8 PLEASE SPECIFY THE USERID TO BE ADDED

- Explanation:** You are attempting to add a user but have not specified the userid.
- System action:** None.
- User response:** Specify the required userid.

#### **CKSE0012-8 PLEASE SPECIFY THE USERID TO BE VIEWED**

**Explanation:** You are trying to view a userid but have not specified the userid.

**System action:** None.

**User response:** Specify the required userid.

#### **CKSE0013-9 PRESS <F3> TO CONFIRM ADDITION, <F12> TO CANCEL**

**Explanation:** You have prepared a new user profile.

**System action:** None.

**User response:** Press <F3> to confirm the entry, <F12> to return to the menu without adding the new profile.

#### **CKSE0014-9 PRESS <F3> TO CONFIRM CHANGES, <F12> TO CANCEL**

**Explanation:** You have amended a user profile.

**System action:** None.

**User response:** Press <F3> to confirm the amendment, <F12> to return to the menu without updating the profile.

#### **CKSE0015-9 PRESS <F3> TO CONFIRM DELETION, <F12> TO CANCEL**

**Explanation:** You have prepared to delete a user profile.

**System action:** None.

**User response:** Press <F3> to confirm the deletion, <F12> to return to the menu without deleting the profile.

#### **CKSE0016-8 DELETION OF YOUR OWN USERID IS NOT ALLOWED - PRESS F12**

**Explanation:** You are not allowed to remove your own userid from the system.

**System action:** None.

**User response:** Press F12 to cancel. If you wish to remove your userid, you must logon using an alternate id, to perform the function.

#### **CKSE0017-8 NO RECORDS MATCH SPECIFIED SEARCH CRITERIA**

**Explanation:** A dataset has been searched for records matching the search conditions that the user has specified. None have been found.

**System action:** The system cannot display a listing therefore the panel is re-displayed.

**User response:** Confirm that the dataset name is correct. Ensure that the search conditions are valid.

#### **CKSE0020-9 PRESS ENTER TO CONTINUE**

**Explanation:** The system is waiting for the <ENTER> key to be pressed, before continuing processing.

**System action:** Waits for the required response.

**User response:** Press the <ENTER> key.

#### **CKSE0021-9 PRESS <F8> FOR NEXT PAGE, <F3> IF DONE**

**Explanation:** There are further screens to display.

**System action:** None.

**User response:** Press <F8> to display the next screen or <F3> to end.

#### **CKSE0023-8 USERID NOT FOUND - PLEASE RESPECIFY**

**Explanation:** An attempt has been made to use a userid that cannot be found.

**System action:** None.

**User response:** Enter the correct userid.

#### CKSE0024-5 PASSWORD INVALID

**Explanation:** An attempt has been made to log on with an invalid password.

**System action:** The NC-PASS system does not permit the user to log on.

**User response:** Enter the correct password.

#### CKSE0025-6 THAT IS NOT ACCEPTABLE AS A NEW PASSWORD - PLEASE RESPECIFY

**Explanation:** The logon procedure has included validation of the user's password. The password has expired and the user has been asked to provide a new one. The password entered is invalid. It may not contain embedded blanks or invalid characters or be the same as the original password.

**System action:** Logging on may not proceed until a valid new password has been entered.

**User response:** Correct and reenter the password.

#### CKSE0027-6 PLEASE ENTER A NEW PASSWORD

**Explanation:** An attempt has been made to log on with an expired password.

**System action:** The logon procedure halts.

**User response:** Enter the new password.

#### CKSE0028-6 THE TWO PASSWORDS DO NOT MATCH - PLEASE RESTART

**Explanation:** The user has been asked to enter a new password twice to prevent errors. The two passwords are not identical.

**System action:** The change password panel is redisplayed.

**User response:** Reenter the correct password or cancel the logon.

#### CKSE0029-8 USERID INVALID - PLEASE RESPECIFY

**Explanation:** The userid entered contains invalid characters. A userid may contain the following characters:  
A through Z, 0 through 9, national characters

**System action:** The request is rejected.

**User response:** Correct and reenter the userid.

#### CKSE0030-8 *userid* IS NOT DEFINED

**Explanation:** An attempt has been made to change a user profile that does not exist. User *userid* does not have a profile.

**System action:** The menu is redisplayed.

**User response:** Correct and reenter the userid.

#### CKSE0031-9 *userid* IS ALREADY DEFINED

**Explanation:** An attempt has been made to add a new user profile. The userid specified is that of an existing profile.

**System action:** The menu is redisplayed.

**User response:** Correct and reenter the userid.

#### CKSE0032-8 SPECIFY SHORT OR LONG LIST FORMAT

**Explanation:** List format must be specified.

**System action:** None.

**User response:** Correct entry.

#### CKSE0035-4 PROFILE SUCCESSFULLY ADDED FOR USER *userid*

**Explanation:** A new user profile has been defined.

**System action:** The new profile is added to the NC-PASS database.

**User response:** None.

**CKSE0036-4 PROFILE SUCCESSFULLY UPDATED FOR USER *userid***

**Explanation:** An existing user profile has been updated.  
**System action:** The profile is updated on the NC-PASS database.  
**User response:** None.

**CKSE0037-4 PROFILE SUCCESSFULLY DELETED FOR USER *userid***

**Explanation:** An existing user profile has been deleted.  
**System action:** The profile is deleted from the NC-PASS database.  
**User response:** None.

**CKSE0039-8 CURSOR INDICATES INVALID DATA**

**Explanation:** An entry field has been miskeyed. The cursor is positioned on the field in error.  
**System action:** The request is rejected.  
**User response:** Correct and reenter the data.

**CKSE0043-4 PASSWORD UPDATE SUCCESSFUL FOR USER *userid***

**Explanation:** The user has successfully completed a change of password during the logon procedure.  
**System action:** None.  
**User response:** None.

**CKSE0052-9 SYSTEM INITIALIZATION IN PROGRESS**

**Explanation:** The system is initializing.  
**System action:** Continues the initialization process.  
**User response:** None.

**CKSE0054-9 SYSTEM INITIALIZATION HAS FAILED**

**Explanation:** The initialization of your system has failed.  
**System action:** None.  
**User response:** Contact your administrator.

**CKSE0055-8 PLEASE ENTER DESTINATION FOR MESSAGE**

**Explanation:** You have not entered a destination.  
**System action:** None.  
**User response:** Enter a correct destination.

**CKSE0056- 8 PLEASE ENTER MESSAGE TEXT.**

**Explanation:** No message has been entered.  
**System action:** None.  
**User response:** Enter message.

**CKSE0060-5 PASSWORD RECORD NOT FOUND - CONSULT ADMINISTRATOR**

**Explanation:** The password record has not been found.  
**System action:** None.  
**User response:** Consult your administrator.

**CKSE0061-6 YOUR PASSWORD HAS EXPIRED - CHANGE IT NOW PLEASE**

**Explanation:** Your password has expired and should be replaced.  
**System action:** Waits for a new password to be entered.  
**User response:** Enter a new password in the field provided.

#### CKSE0065-8 THIS DATE FORMAT IS NOT SUPPORTED

**Explanation:** The date format code entered is invalid. Four formats are supported.

1 - YYYY/MM/DD	eg 1997/10/01
2 - MM/DD/YYYY	eg 10/01/1997
3 - DD/MM/YYYY	eg 01/10/1997
4 - DDMMYYYY	eg 01SEP1997

**System action:** None.

**User response:** Enter required format.

#### CKSE0070-8 ANOTHER USER IS IN THE PROCESS OF DEFINING *userid*

**Explanation:** An attempt has been made to define a new user profile. Another administrator is currently defining the same user profile.

**System action:** The request is rejected.

**User response:** Try again later.

#### CKSE0071-8 ANOTHER USER IS IN THE PROCESS OF UPDATING *record*

**Explanation:** An attempt has been made to update an NC-PASS database record. Another user is currently updating the same information.

**System action:** The user is not permitted to update the record.

**User response:** Try again later.

#### CKSE0081-8 MAXUSERS VALUE MUST BE NUMERIC

#### CKSE0082-5 MAXIMUM USERS ALREADY LOGGED ON - PLEASE TRY LATER

**Explanation:** The maximum number of users permitted for this application are already logged on.

**System action:** No additional logons permitted.

**User response:** Try again later.

#### CKSE0083-5 YOU ARE ALREADY LOGGED ON AT TERMINAL *termid*

**Explanation:** You have attempted to log on but are already logged on at terminal *termid*.

**System action:** Denies second logon attempt.

**User response:** Either return to or cancel the original session.

#### CKSE0085-5 YOU ARE NOT AUTHORIZED TO USE THIS APPLICATION

**Explanation:** Your authority level is not sufficient to allow use of this application.

**System action:** Access is denied.

**User response:** Specify another application or contact your administrator.

#### CKSE0086-5 SECURITY OFFSET NOT SPECIFIED - CONSULT ADMINISTRATOR

#### CKSE0087-1 UNKNOWN RETURN CODE *rc* IN SECURITY VALIDATION - CONSULT ADMINISTRATOR

**Explanation:** The return code produced, *rc*, is unknown.

**System action:** None.

**User response:** Consult your administrator.

#### CKSE0088-5 ACCESS DENIED - ACF2 NOT ACTIVE

**Explanation:** Your security system, CA-ACF2, is not active.

**System action:** None.

**User response:** Consult your administrator.

**CKSE0089-5 ACCESS DENIED - RACF NOT ACTIVE**

**Explanation:** Your security system, RACF, is not active.

**System action:** None.

**User response:** Consult your administrator.

**CKSE0091-8 FORCE OF YOURSELF IS NOT ALLOWED**

**Explanation:** You have issued a force command for your own userid which if allowed could remove the last access to the system.

**System action:** None.

**User response:** None.

**CKSE0092-5 THRESHOLD OF INVALID LOGON ATTEMPTS EXCEEDED - TERMINAL LOCKED**

**Explanation:** You have exceeded your allowed number of invalid logon attempts, this has resulted in your terminal being locked.

**System action:** The terminal is locked.

**User response:** Contact your system administrator.

**CKSE0098-8 HOT NEWS SUCCESSFULLY UPDATED AND FILED**

**Explanation:** You have just completed a successful hot news update.

**System action:** None.

**User response:** None.

**CKSE0099-9 ERROR FILING UPDATED HOT NEWS**

**Explanation:** An error has occurred when filing the hot news update.

**System action:** The update will not be available after restart.

**User response:** Check log for more info - retry.

**CKSE0100-8 THE NODE NAME MUST BE ENTERED**

**Explanation:** Node name is required when adding an application.

**System action:** None.

**User response:** Enter a node name and retry.

**CKSE0114-9 ACTION CANCELLED AT YOUR REQUEST**

**Explanation:** The user has pressed the <F12> cancel key.

**System action:** Any changes made are ignored.

**User response:** None.

**CKSE0134-8 INVALID NUMBER OF PARAMETERS - SPECIFY 'OPTION USERID'**

**Explanation:** A menu option has been selected to either reset a user's internal password or define or update a user profile. An invalid number of parameters has been specified.

**System action:** The request is rejected.

**User response:** Correct the parameters.

**CKSE0139-4 THE USER WAS SUCCESSFULLY ADDED**

**Explanation:** Your attempt to add a user was successful.

**System action:** None.

**User response:** None.

**CKSE0140-4 USER *User ID* WAS SUCCESSFULLY CHANGED**

**Explanation:** User *User ID* has been updated.

**System action:** None.

**User response:** None.

**CKSE0141-4 USER *User ID* WAS SUCCESSFULLY DELETED**

**Explanation:** User *User ID* has been deleted from the system.

**System action:** None.

**User response:** None.

**CKSE0160-8 THIS MODEL DOES NOT EXIST, TRY ANOTHER**

**Explanation:** The model you have used as a basis for creating a new unit (ie user, application, etc.) does not exist and therefore cannot be used.

**System action:** None.

**User response:** Specify another model name and retry.

**CKSE0165-8 NO RECORDS HAVE BEEN FOUND**

**Explanation:** The user has accessed a transaction from a menu to display a list of records. No records have been found.

**System action:** The menu is redisplayed.

**User response:** None.

**CKSE0167-4 THE RECORD DEFINITION HAS BEEN SUCCESSFULLY FILED**

**Explanation:** The record definition has been filed.

**System action:** None.

**User response:** None.

**CKSE0169-9 AN ACB NAME IS REQUIRED**

**Explanation:** An attempt has been made to print a report. In order to do so an ACB name must previously have been loaded to the NC-PASS database. Either all ACBs are in use or they have not been loaded.

**System action:** The request is rejected. The report cannot be produced.

**User response:** If all ACBs are in use, try producing the report later. If no ACBs have been defined, use the VTAM PRINTER DEFINITION panel to do so.

**CKSE0173-4 PASSWORD SUCCESSFULLY UPDATED****CKSE0179-8 THE TIMEOUT VALUE MUST BE NUMERIC**

**Explanation:** You have specified a timeout value but this is not numeric.

**System action:** None.

**User response:** Specify a numeric timeout value.

**CKSE0183-8 WARNING - DATA TRUNCATED - NOT ENOUGH SPACE FOR ALL THE LINES**

**Explanation:** An attempt has been made to enter data too long for the available space.

**System action:** The system has truncated the data to fit the space available.

**User response:** None.

**CKSE0184-8 COMMAND NOT RECOGNIZED**

**Explanation:** The user has entered an invalid command.

**System action:** The panel is redisplayed.

**User response:** Refer to help text and correct the command.

#### **CKSE0187-8 INVALID SCROLL AMOUNT**

- Explanation:** The user has specified an invalid scroll amount.
- System action:** The scroll is not performed.
- User response:** Correct the scroll amount and reenter. Refer to help text for valid scroll amount values.

#### **CKSE0189-8 STRING NOT FOUND**

- Explanation:** A search string has been specified by the user and not found.
- System action:** The panel is redisplayed.
- User response:** Amend the search string if necessary.

#### **CKSE0200-9 MESSAGE SENT TO SYSTEM OPERATOR CONSOLE**

- Explanation:** A message has been sent to the system operator console.
- System action:** None.
- User response:** None.

#### **CKSE0206-8 INVALID DATE**

- Explanation:** The date which was entered is invalid or is not in the format required. All dates should be entered in the format specified in the GENERAL SYSTEM OPTIONS panel.
- System action:** No further processing is performed until the date is corrected or the function is cancelled.
- User response:** Enter the date in the required format or cancel the function.

#### **CKSE0209-8 INVALID COMMAND COMBINATION**

- Explanation:** Two or more editor commands have been entered in an editor-type panel which conflict with each other.
- System action:** None.
- User response:** Remove the offending line command.

#### **CKSE0245-4 WATCHWORD KEY EXTRACT CONTROL DATA UPDATED**

- Explanation:** The user has updated the Watchword Control Data.
- System action:** The update is recorded on the NC-PASS database.
- User response:** None.

#### **CKSE0248-8 THIS TRANSACTION REQUIRES WATCHWORD AUTHENTICATION**

- Explanation:** The user has attempted to access the Watchword Extract DES Key Management panel.
- System action:** The system informs the user that this transaction can only be accessed by a Watchword token user.
- User response:** Access the transaction using a Watchword token authenticated userid.

#### **CKSE0266-9 INVALID DATASET NAME**

- Explanation:** The user has entered an invalid dataset name.
- System action:** No save is performed.
- User response:** Refer to help text for further information regarding valid dataset names. Correct the dataset name and reenter.

#### **CKSE0271-8 INVALID LINE COMMAND**

- Explanation:** The user has entered an invalid line command.
- System action:** The panel is redisplayed.
- User response:** Refer to help text for a list of valid line commands. Correct the command and retry.

#### **CKSE0297-4 SAVE SUCCESSFUL**

**Explanation:** A record or group of records has been amended and saved to the NC-PASS database successfully.

**System action:** The amendments are been recorded on the NC-PASS database.

**User response:** None.

#### **CKSE0307-8 INVALID OPERANDS**

**Explanation:** One or more of the operands on the last command were invalid.

**System action:** None.

**User response:** Correct and retry.

#### **CKSE0403-9 SHUTDOWN IN PROGRESS**

**Explanation:** Your system is in the process of shutting down. You will not be able to do any processing after shutdown until the system is re-started.

**System action:** Shuts down.

**User response:** None.

#### **CKSE0405-8 ENTER NAME OF PANEL TO BE RELOADED**

**Explanation:** You have selected an option to delete and reload a panel but have not entered the name of the panel.

**System action:** None.

**User response:** Enter panel name.

#### **CKSE0412-9 PANEL *name* DELETED FROM STORAGE - NEXT USE WILL LOAD NEW COPY**

**Explanation:** You have successfully deleted a panel using the Delete command.

**System action:** None.

**User response:** None.

#### **CKSE0423-9 PANEL *panelname* IS NOT PRESENT IN STORAGE**

**Explanation:** The user has attempted to delete a panel from storage using the transaction on the SYSTEM FUNCTION MENU.

**System action:** The panel has not been found, therefore cannot be deleted.

**User response:** Confirm the panel name.

#### **CKSE0429-8 INPUT REQUIRED**

**Explanation:** The cursor is positioned over an empty field which must have a value for the required function to be completed.

**System action:** The NC-PASS database is not updated. The panel is re-displayed.

**User response:** Complete the fields required for the panel.

#### **CKSE0430-8 NUMERIC DATA REQUIRED**

**Explanation:** The user has entered non-numeric data into a field on a panel, where numeric data is required.

**System action:** The NC-PASS database is not updated.

**User response:** Correct and re-enter the data.

#### **CKSE0431-8 DATA OUT OF RANGE - *data***

**Explanation:** The data entered is out of range. The message is followed by more specific information.

**System action:** The NC-PASS database is not updated.

**User response:** Correct and reenter the data. Refer to help text for further information.

#### CKSE0433-9 MESSAGE SENT TO *n* USER(S)

- Explanation:** The message has been sent to *n* users. If *n* is less than you expect it may be that some users have set Message OFF.
- System action:** None.
- User response:** None - Use memo if message is important but not urgent. If urgent contact user by other means.

#### CKSE0434-8 USER NOT LOGGED ON OR HAS MESSAGE OFF

- Explanation:** The message cannot be sent as the user is either not logged on or has set Message OFF.
- System action:** None.
- User response:** None - Use memo if message is important but not urgent. If urgent contact user by other means.

#### CKSE0435-8 TERMINAL NOT LOGGED ON

#### CKSE0436-9 CONNECTION DISALLOWED BY INSTALLATION EXIT RC=*nn*

#### CKSE0440-8 BLOCK COMMAND INCOMPLETE

- Explanation:** An editor block command has been entered in an edit-type panel. This message warns the user that the other end of the block is still yet to be defined.
- System action:** The block command is not performed until the other end of the block is defined.
- User response:** Refer to *the Installation Manual, Chapter 8 - Getting started* for further information regarding editor commands.

#### CKSE0441-4 ESCALATED USER RESET TERM=*terminalid* USER=*userid*

- Explanation:** The outstanding escalation record for user *userid* has been reset.
- System action:** The record of the escalation event is deleted from the NC-PASS database.
- User response:** None.

#### CKSE0442-8 USER MODEL NOT PERMITTED FOR THIS OPTION

- Explanation:** The administrator has specified the name of a user profile to be used as a model for a user profile maintenance activity.
- System action:** The user profile activity does not require the specification of a user profile as a model. The action is not performed.
- User response:** Correct the option selection or parameters and retry.

#### CKSE0443-4 TOK/*tokenserial* TOKEN TYPE UPDATED - *status*

- Explanation:** The status of token type *TOK* has been altered. A token type may be ENABLED or DISABLED.
- System action:** The token type is either disabled or enabled for use. This is recorded on the NC-PASS database.
- User response:** None.

#### CKSE0444-4 ALL TERMINALS AND USERS RESET

- Explanation:** The user has reset all escalated terminals and users.
- System action:** All the escalated terminal and user records are deleted from the NC-PASS database and the menu panel is displayed.
- User response:** None.

#### CKSE0445-8 MEMBER *membername* NOT DEFINED, NOT IN STORAGE

- Explanation:** The user has attempted to define a new TDT. The member *membername* cannot be found or is not a valid TDT.
- System action:** The TDT is not defined.
- User response:** Check the contents of the TDT member to ensure all control statements are correct. Check that the *membername* entered is correct.

#### **CKSE0446-9 SECURITY ROUTINE FOR x NOT FOUND IN LIBRARY**

- Explanation:** The user has been defined to use security system x and the system has been unable to find the required routine @UTSECx (where the final x is the letter in the message).
- System action:** The user is returned to the logo.
- User response:** The Administrator should correct either the users definition or complete the setup for a new security system.

#### **CKSE0447-8 FIELD CONTAINS INVALID CHARACTERS**

- Explanation:** The indicated field contains characters that are not valid. Most name fields only allow alphabetic characters plus a limited number of national characters.
- System action:** None.
- User response:** Correct the entry.

#### **CKSE0448-9 XSC STARTUP SUPPRESSED BY STARTUP JCL - CAN NOW BE STARTED**

- Explanation:** The startup JCL for the job contained the parameter XSC=NO (or CSC=NO) which will stop the Cross System Communications options being actioned at initial startup.
- System action:** The startup option has been reset.
- User response:** Press <Enter> or <F3> to action the options set on the XSC panels.

#### **CKSE0458-8 THE 'START TIME' MUST PRECEDE THE 'END TIME'**

- Explanation:** The time specified in the Start time field must precede that specified in the End time field.
- System action:** None.
- User response:** Correct the entry.

#### **CKSE0459-9 BOTTOM OF DATA REACHED**

- Explanation:** Issued when a 'find' command searches a dataset unsuccessfully to the end.
- System action:** The panel is re-displayed.
- User response:** None.

#### **CKSE0460-9 CHARS *string* FOUND**

- Explanation:** The specified string has been found following a find command.
- System action:** The appropriate part of the dataset is displayed and the cursor is positioned on the string found.
- User response:** None.

#### **CKSE0461-5 ACCESS DENIED**

- Explanation:** An attempted logon has failed. The administrator specifies whether informational messages are to be displayed by preparing the LOGON DEFAULT panel on the SYSTEM FUNCTION menu.
- System action:** The attempted logon is rejected. The NC-PASS logo is displayed.
- User response:** The user may attempt to log on again using corrected parameters or contact the system administrator.

#### **CKSE0462-8 ENTER Y OR N**

- Explanation:** The user has not entered 'Y' or 'N' as required.
- System action:** The NC-PASS database is not updated.
- User response:** Correct and reenter the field.

#### **CKSE0463-8 'BEFORE' DATE MUST PRECEDE 'AFTER' DATE**

- Explanation:** The date range specified is incorrect.
- System action:** None.
- User response:** Correct the dates. Refer to help text for further information.

**CKSE0468-8 KEY SHOULD BE A 20 DIGIT OCTAL NUMBER**

- Explanation:** Issued by the Watchword Token Detail panel. The user has entered a Watchword key that is not a 20 digit octal number.
- System action:** None.
- User response:** Consult the panel prompts and help text. If a key is required one can be generated by positioning the cursor on the appropriate field and pressing <F9>. If a key is not required, or has inadvertently been overkeyed, the transaction can be abandoned by pressing <F12>.

**CKSE0469-8 KEY ALREADY USED BY ANOTHER USER**

- Explanation:** The user has entered a DES key that is already used for another token.
- System action:** None.
- User response:** Correct and reenter the key. <F9> can be used to generate a key. <F12> can be used to abandon the transaction.

**CKSE0470-9 VALID RESPONSE FOR xxxxxxxxxxxxxx**

- Explanation:** A token was tested and the test was successful.
- System action:** None.
- User response:** None.

**CKSE0471-8 RESPONSE NOT VALID**

- Explanation:** The test response that the user has keyed is not valid. The test has failed.
- System action:** None.
- User response:** Retry the test, checking carefully the values entered into the token. If the response is still not valid, reenter the DES key for the token on the panel. Retry the test. If the response is still not valid, reinitialize the token itself.

**CKSE472-3 XSC aaaa UNABLE TO START ISC TASK (RC=nn)**

- Explanation:** XSC aaaa initialization was unable to complete because a failure occurred when attempting to start the ISC task.
- System action:** XSC aaaa initialization fails.
- User response:** The state of the ISC task is described by the return code, *nn*:
  - 4        Waiting
  - 8        Stopping
  - 12       Stopped
  - 16       Not stopped (TID not found)
  - 20       Invalid TID

**CKSE0473-4 XSC aaaa TASKnnn acbname INITIALIZATION IN PROGRESS**

- Explanation:** XSC aaaa has been enabled.
- System action:** The startup system for XSC aaaa is in progress.
- User response:** None.

**CKSE0474-3 XSC aaaa TASKnnn UNKNOWN ERROR DURING INITIALIZATION**

- Explanation:** A critical error has occurred during initialization.
- System action:** XSC aaaa initialization fails.
- User response:** Contact your local support office.

### CKSE0475-3 XSC *aaaa* TASK*nnn* ERROR DURING INITIALIZATION (ISC RC=*nnn*)

- Explanation:** An error has occurred during XSC *aaaa* startup.
- System action:** XSC *aaaa* initialization fails.
- User response:** The return code, *nnn*, from ISC initialization describes the nature of the problem
- |     |  |
|-----|--|
| 001 | Missing parm EXEC routine. Contact PassGo Technologies Ltd.  |
| 002 | Error in parm EXEC routine. Contact PassGo Technologies Ltd.   |
| 003 | Missing start EXEC name. Contact PassGo Technologies Ltd.  |
| 004 | Missing finish EXEC name. Contact PassGo Technologies Ltd.   |
| 005 | Missing ISC ACB nodename. Contact PassGo Technologies Ltd.   |
| 006 | Invalid trace value. Valid values for <i>&amp;isctrac</i> are 'TRACE' and 'NOTRACE'.                 |
| 007 | Unable to load module(s). A corruption has occurred in the ISC load library, or a module is missing. |
| 008 | Open ACB failure. The nodename specified is either in use, or invalid.                               |
| 009 | Stopped while waiting for ACB. The nodename specified is inactive. Vary the nodename active.         |
| 010 | Setlogon failure.  |
| 011 | Protocol failure.  |
| 012 | Your VTAM does not support LU6.2 (APPC only).  |
| 013 | Invalid mode. Contact PassGo Technologies Ltd.   |
| 014 | Attach of task failed.   |

### CKSE0476-3 XSC *aaaa* TASK*nnn* UNABLE TO OPEN ACB *acbname* - CODE= *nn*

- Explanation:** An error has occurred during XSC *aaaa* startup. ACB *acbname* cannot be opened. The message is suffixed by the return code from the ACB open.
- System action:** XSC *aaaa* initialization fails.
- User response:** Ensure that the host nodename entered is correct and that the ACB is active and available. Refer to IBM documentation for the meaning of the ACB open return code.

### CKSE0477-3 XSC *aaaa* TASK*nnn* UNABLE TO LOAD MODULE *name* (ISC RC=*nnn*)

- Explanation:** XSC *aaaa* was not able to load module *name* into storage.
- System action:** XSC *aaaa* initialization fails.
- User response:** Check that the load library is complete and that there is sufficient storage for it to be loaded successfully. If necessary, reinstall from the production tape.

### CKSE0478-8 MAX. USERS EXCEEDED - NO MORE USERS CAN BE ASSIGNED TOKENS

- Explanation:** The user has attempted to assign a token. The limit on the number of assignments permitted has been exceeded.
- System action:** None.
- User response:** Apply to the local PassGo Technologies support office for a new subsystem code that will allow more users to be assigned to tokens.

### CKSE0479-9 \*WARNING\* MAX. NO. OF USERS ASSIGNED TOKENS HAS NEARLY BEEN MET

- Explanation:** The user has assigned a token. The limit on the number of assignments permitted has nearly been met.
- System action:** The token is assigned.
- User response:** None.

### CKSE0480-3 XSC *aaaa* TASK*nnn* TERMINATION DUE TO AN INTERNAL ABEND (RC=4)

- Explanation:** XSC *aaaa* has terminated due to an internal error.
- System action:** XSC *aaaa* is terminated.
- User response:** Contact your local PassGo Technologies support office.

### CKSE0481-3 XSC MHO DATA REJECTED FROM DOWNLEVEL SYSTEM (NODE *acbname* TYPE *type*)

- Explanation:** XSC has received data from a downlevel system but no means of processing it has been supplied.
- System action:** The data is ignored.
- User response:** Contact your local support office, this may be due to corrupted libraries and should never occur.

**CKSE0482-3 XSC MHO SEND/RECEIVE EXEC FOR *aann* NOT FOUND ON LIBRARY**

- Explanation:** XSC MHO cannot find the exec used to process the data for product *aa*, function code *nn*.  
**System action:** The data is ignored.  
**User response:** Contact your local support office, this may be due to corrupted libraries and should never occur.

**CKSE0483-2 XSC UNABLE TO START *aaaa* TIMER TASK (RC=*nnn*)**

- Explanation:** An error occurred during XSC initialization.  
**System action:** The XSC *aaaa* timer has failed to start. The XSC *aaaa* will continue to work but there will be no automatic recovery of the system or links if they fail.  
**User response:** Contact your local support office, quoting this message number.

**CKSE0484-4 XSC *aaaa* NODE *acbname* INITIALIZATION COMPLETE**

- Explanation:** XSC *aaaa* initialization has completed successfully.  
**System action:** If *aaaa* is MHO the system attempts to establish links with other nodes defined in the XSC MHO network. If *aaaa* is APPC the system is ready to receive transactions from remote systems.  
**User response:** None.

**CKSE0485-3 XSC *aaaa* TASK<sub>*nnn*</sub> NODE *acbname* INITIALIZATION FAILED**

- Explanation:** XSC initialization has failed to complete successfully.  
**System action:** XSC initialization fails.  
**User response:** Refer to accompanying messages for further information regarding the nature of the failure.

**CKSE0487-4 XSC MHO SESSION WITH *node* HAS ENDED**

- Explanation:** The MHO link with *node* is now inactive.  
**System action:** The MHO link with the node closes.  
**User response:** See accompanying messages for further information.

**CKSE0488-4 XSC MHO TOTAL NUMBER OF SENDS = *outtrans* RECVS = *intrans***

- Explanation:** A base link has been closed. The same message is issued for SENDS and RECEIVES, where:  
*outtrans* is the total number of outgoing transactions from the host node during the lifetime of the MHO link.  
*intrans* is the total number of incoming transactions from remote nodes during the lifetime of the MHO link.  
**System action:** The XSC MHO link is closed.  
**User response:** None.

**CKSE0489-3 MHO DATA IGNORED FROM INVALID LU *luname* (TYPE=*lutype*)**

- Explanation:** Data has been received via MHO from an unrecognized logical unit *luname*, type *lutype*.  
**System action:** The data is ignored.  
**User response:** Attempt to trace the source of the sends in case of any security risk.

**CKSE0491-5 ACCESS DENIED - USER PROFILE NOT DEFINED**

- Explanation:** A user has attempted to access the system with a userid for which the profile has not been defined.  
**System action:** The logon is rejected.  
**User response:** Contact the system administrator to determine the id to be used.

**CKSE0492-5 ACCESS DENIED - OUTSIDE DATE/TIME RANGE**

- Explanation:** A user has attempted to access the system at a time, and on a day of the week when he is not permitted to do so, because of the restrictions imposed by the user profile.  
**System action:** The logon is rejected and the logo is redisplayed.  
**User response:** Contact the system administrator to determine the times when the system is available for that user.

#### **CKSE0493-5 ACCESS DENIED - USERID IS LOCKED**

- Explanation:** A user has attempted to access the system when the userid is locked, either manually, or because a logon retry limit has been exceeded.
- System action:** The logon is rejected and the logo is redisplayed. Further access is not permitted until the userid has been unlocked.
- User response:** Contact the system administrator to ask for the userid to be unlocked.

#### **CKSE0494-5 ACCESS DENIED - I/O ERROR**

- Explanation:** A critical I/O error has occurred during the logon procedure.
- System action:** The logon fails. No access is permitted.
- User response:** See accompanying messages to discover the nature of the I/O error. Refer to IBM VSAM documentation.

#### **CKSE0495-5 ACCESS DENIED - TOKEN type DISABLED**

- Explanation:** An attempt has been made by a token user to access the system when the device type to be used is not enabled on NC-PASS.
- System action:** The logon is rejected.
- User response:** Contact the system administrator if the use of this type of token is required.

#### **CKSE0496-5 ACCESS DENIED - CONNECT INFORMATION NOT DEFINED**

#### **CKSE0497-5 ACCESS DENIED - UNAUTHORIZED USE OF TERMINAL**

- Explanation:** An attempt has been made to logon from a terminal other than the one allowed by the user profile definition.
- System action:** The logon is rejected.
- User response:** Contact the system administrator if the use of this terminal is required.

#### **CKSE0498-5 ACCESS DENIED - INVALID RESPONSE TO WATCHWORD CHALLENGE**

- Explanation:** A user has entered an invalid response to a WATCHWORD challenge during the logon procedure. Access is denied.
- System action:** The logon fails and the logo is redisplayed.
- User response:** If continued attempts fail, contact the system administrator to ask for the token to be reinitialized.

#### **CKSE499-5 ACCESS DENIED - INVALID LOGO DATA SPECIFIED**

- Explanation:** A logo has been set up incorrectly.
- System action:** Any access to the system from this logo is automatically rejected.
- User response:** Ensure that the correct keywords are used on the EXEC routine in the )PROC section of the logo.

#### **CKSE0500-7 LOGON - DEST=*destination***

- Explanation:** The user has logged on successfully and is to be routed to the specified destination according to the appropriate user profile definition.
- System action:** User is routed to the specified destination.
- User response:** None.

#### **CKSE0501-5 ACCESS DENIED - INVALID ATTEMPT TO ACCESS ADMINISTRATION**

- Explanation:** A user has attempted to access an administration menu, where the user's profile does not permit it. The user profile defines the authority type as a user (U).
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** If administration is required for this user then the user profile's authority group should be defined as an operator (O) or an administrator (A).

#### CKSE0502-6 ACCESS DENIED - EXEC ROUTINE SPECIFIED IS NOT AVAILABLE

- Explanation:** A user has attempted to log on whose user profile connect definition specifies an NCI 'exec' routine. The routine to be executed does not exist or cannot be found.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Ensure that the routine to be executed for this user exists in the library concatenation defined against the //PANEL DD name in the JCL for NC-PASS.

#### CKSE0503-6 ACCESS DENIED - *message-text*

- Explanation:** Access to the system has been denied. The message contains certain codes depending on the circumstances. For instance, CONNECT RC=*rc* VTAM RC=*vtamrc* SENSE=*scode*, where:

*rc* is the return code from the CLSDST PASS as follows:

- 0 Connect successful.
- 4 Application inactive/unknown/unavailable.
- 16 Application shutting down.
- 28 Unknown error.
- 32 Connect successful, but followed by a terminal lost.

*vtamrc* is the value of the VTAM RPL. The first byte is RTNCD, the second is FDBK2. *vtamrc* is held in NCI variable *&usrtrcd* as described in the *NCI Reference Manual, Chapter 2 - NCI reserved user variables*. Refer to the VTAM messages and codes Manual for an explanation of the value.

*scode* is the sense code associated with the CLSDST PASS and is held in NCI variable *&ursens*; refer to the *NCI Reference Manual, Chapter 2 - NCI reserved user variables*. Refer to the VTAM messages and codes Manual for an explanation of the value.

- System action:** The logon is rejected and the logo is redisplayed.
- User response:** The user may attempt to log on again. After repeated unsuccessful attempts the user should contact the system administrator for further help.
- Note:** This message is issued if a CLSDST is rejected by the VTAM exits. The VTAM return code will be 1455 and OPNDST ACQ from the USSTAB will give a return code of 080A.

#### CKSE0504-8 INSUFFICIENT AUTHORITY GROUP OR LEVEL

- Explanation:** An attempt has been made to perform an administration function where the user is not authorized to do so. An administrator may only access information regarding users who have an equal or lesser authority level and group.
- System action:** The function requested is not performed.
- User response:** None. The request has been disallowed.

#### CKSE0505-8 INVALID DATE

- Explanation:** The date which was entered is invalid or is not in the format required. All dates should be entered in the format specified in the GENERAL SYSTEM OPTIONS panel.
- System action:** No further processing is performed until the date is corrected or the function is cancelled.
- User response:** Enter the date in the required format or cancel the function.

#### CKSE0506-8 TOKEN ALREADY DEFINED

- Explanation:** The token serial number specified has already been defined. Tokens are identified by their serial numbers and should therefore be unique.
- System action:** The token specified is not added, since it already exists.
- User response:** Check the serial number for the token and re-enter the number or check the existing token profile to see whether its details are correct.

#### CKSE507-5 ACCESS DENIED - NO CONNECT DATA DEFINED

- Explanation:** A user has attempted to log on, but the profile for that userid does not have any associated connect data.
- System action:** Access is denied and the logo is redisplayed.
- User response:** Contact the system administrator to ask for the appropriate connect data to be defined for this user.

#### **CKSE0508-9 WATCHWORD PIN SETUP COMPLETED**

- Explanation:** The token PIN instruction panels that pertain to the device to which the user is assigned have been displayed at the user's terminal.
- System action:** The logo is redisplayed.
- User response:** None.

#### **CKSE511-8 PRINTER NAME NOT RECOGNIZED**

- Explanation:** The specified printer name has not been defined to the system.
- System action:** None.
- User response:** Define the printer to the system or correct the name.

#### **CKSE0515-8 COMMAND INVALID FOR THIS ENTRY**

- Explanation:** The line command is invalid on the line on which it was entered.
- System action:** None.
- User response:** Enter a correct line command.

#### **CKSE0519-8 THE DATA REQUIRED TO ENABLE THIS TOKEN HAS NOT BEEN LOADED**

- Explanation:** An attempt has been made to enable a token, when the data required for its use has not been loaded onto the NC-PASS database.
- System action:** The token is not enabled.
- User response:** Refer to the Administration Manual, Volume 1, *Chapter 5 - Token administration* for instructions on loading information for the token required.

#### **CKSE0520-5 ACCESS DENIED - INVALID SECURID PRN**

- Explanation:** A user has entered an invalid SecurID Pseudo Random Number (PRN) during the logon procedure. Access is denied.
- System action:** The logon fails and the logo is redisplayed.
- User response:** If continued attempts fail, contact the system administrator to ask for the token to be reset.

#### **CKSE0521-8 OPTION INVALID - SECURID NOT ENABLED**

- Explanation:** The menu option selected is not valid since SecurID tokens are not enabled at system level.
- System action:** None. The request is rejected.
- User response:** If required, SecurID tokens should be enabled at system level through the token directory menu option.

#### **CKSE0527-5 ACCESS DENIED - USER TOKEN RECORD NOT FOUND**

- Explanation:** An internal error has occurred where a userid is cross-referenced with a token which does not exist.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Contact your local PassGo Technologies support office.

#### **CKSE0528-4 ONE TIME BYPASS ENABLED FOR *tokenserial***

- Explanation:** The token profile of the serial number shown has been updated to allow the owner of the token to log on without token authentication once only.
- System action:** The token profile is updated to allow token authentication to be bypassed at the next test.
- User response:** None.

#### **CKSE0530-4 TOKEN UPDATED (*xxx/yyyyyyy*)**

- Explanation:** Information has been changed and saved for the specified token profile (token type *xxx*, token serial number *yyyyyyy*).
- System action:** The token information which has been changed is saved.
- User response:** None.

#### **CKSE0531-8 NO RECORD OF THIS CDM - CHECK INPUT**

**Explanation:** There is no record on file of the Code Display Module specified.

**System action:** None.

**User response:** Check the serial number on the CDM with the serial number entered. If they do not correspond, enter the correct number. If they do correspond, then the installation of SecurID data did not complete successfully or correctly. The input file to the batch job which loads data onto the NC-PASS administration file should be checked and corrected if necessary.

#### **CKSE0532-8 SECURID SYNCHRONIZATION FAILED - CHECK PRN INPUT**

**Explanation:** The numbers entered to synchronize the NC-PASS system do not constitute a valid combination.

**System action:** None.

**User response:** The synchronization procedure must be repeated using the numbers displayed on the CDM.

#### **CKSE0533-4 SECURID SYNCHRONIZATION COMPLETED**

**Explanation:** Synchronization of NC-PASS with the SecurID Code Display Module has completed successfully.

**System action:** The internal timer in NC-PASS is synchronized with the CDM, thus synchronizing the system with all SecurID tokens.

**User response:** None.

#### **CKSE0534-4 SYSTEM INITIALIZATION STARTED**

**Explanation:** Initialization of NC-PASS has started.

**System action:** The system sets up information required for subsequent operations.

**User response:** None.

#### **CKSE0535-4 SYSTEM INITIALIZATION COMPLETED**

**Explanation:** Initialization of NC-PASS has completed successfully.

**System action:** None

**User response:** None.

#### **CKSE0536-4 DATABASE STARTUP VSAM I/O FAILURE**

**Explanation:** Initialization of NC-PASS has been aborted owing to an I/O failure.

**System action:** The NC-PASS job is terminated.

**User response:** Contact your local PassGo Technologies support office.

#### **CKSE0537-2 SYSTEM INITIALIZATION FAILED**

**Explanation:** Initialization of NC-PASS has been aborted.

**System action:** The NC-PASS job is terminated.

**User response:** Contact your local PassGo Technologies support office.

#### **CKSE0538-3 INSTALL INCOMPLETE - REINSTALL REQUIRED**

**Explanation:** Installation of NC-PASS has been aborted.

**System action:** The NC-PASS job is terminated.

**User response:** The system administrator should reinstall the system from the beginning.

#### **CKSE0540-4 DATABASE INITIALIZATION COMPLETED**

**Explanation:** Initialization of the NC-PASS database has completed successfully.

**System action:** Default values for all necessary system options have been set and saved to the central administration file.

**User response:** None.

#### CKSE0541-2 DATABASE INITIALIZATION FAILED

- Explanation:** Initialization of the NC-PASS database has failed.
- System action:** The NC-PASS job is terminated.
- User response:** Contact your local PassGo Technologies support office.

#### CKSE0542-3 ATTEMPT TO RUN DUPLICATE SECURITY SYSTEM - SHUTDOWN

- Explanation:** Another copy of the NC-PASS product is running on this machine where concurrent systems have been disallowed in the GENERAL SYSTEM OPTIONS panel.
- System action:** A request was issued for a system enqueue. The request is rejected. NC-PASS is terminated.
- User response:** If duplicate copies of NC-PASS are to be permitted, then the GENERAL SYSTEM OPTIONS facility to allow concurrent systems should be switched to 'Y' on the NC-PASS which is currently running and holding the system enqueue.

#### CKSE0544-5 ACCESS DENIED - DUPLICATE SECURID PRN=*prn*

- Explanation:** A user has attempted to log onto the system with a Pseudo Random Number (PRN) which has already been used. This is not permitted.
- System action:** The logon is rejected and the logon is redisplayed.
- User response:** Wait until the PRN changes on the SecurID card, then repeat the logon procedure using the new number.

#### CKSE0554-8 TIME INVALID, PLEASE CORRECT AND RE-ENTER

- Explanation:** The user has entered an invalid time.
- System action:** None.
- User response:** Correct and reenter the time.

#### CKSE0595-9 WARNING YOU ARE ALREADY USING TERMINAL *termid*

- Explanation:** You are already logged on to terminal *termid*.
- System action:** None.
- User response:** Either log off from *termid* and on to another terminal or resume working on *termid*.

#### CKSE0598-8 AUTHORITY GROUP MUST BE ALPHABETIC OR \*

- Explanation:** You have specified an authority group which is neither alphabetic nor an asterisk (\*).
- System action:** None.
- User response:** Specify an alphabetic authority group or \*.

#### CKSE0599-8 AUTHORITY TYPE IS INVALID

- Explanation:** You have specified an invalid authority type.
- System action:** None.
- User response:** Specify A, O or U.

#### CKSE0600-8 WARNING - PASSWORD VALIDATION IS NOT CKS SUPPLIED

- Explanation:** The letter entered does not match any supplied validation system. However you may have allocated your own so this is a warning only.
- System action:** None.
- User response:** Check your entry is correct.

#### CKSE0601-8 ENTER 1 OR 2

- Explanation:** The user has entered data incorrectly on a user profile panel.
- System action:** The user profile cannot be updated.
- User response:** Valid values for the field are:

- 1 returns the user to the logon.
- 2 returns the user to VTAM.

**CKSE0605-8 YOU ARE NOT AUTHORIZED TO CHANGE THIS USER**

- Explanation:** You have attempted to change a user's profile. You are not authorized to do this.
- System action:** None.
- User response:** None.

**CKSE0606-8 YOU ARE NOT AUTHORIZED TO DELETE THIS USER**

- Explanation:** You have attempted to delete a user's profile. You are not authorized to do this.
- System action:** None.
- User response:** None.

**CKSE0607-8 YOU MAY ONLY USE YOUR AUTHORITY GROUP OF a****CKSE0615-9 THIS MODEL DOES NOT EXIST**

- Explanation:** The user has tried to use a model which does not exist.
- System action:** None.
- User response:** Enter a valid name at the Model prompt.

**CKSE0623-8 INVALID SECURID PRN *prn***

- Explanation:** The Pseudo Random Number (PRN) specified entered during SecurID authentication is not correct.
- System action:** Authentication fails.
- User response:** Repeat the authentication procedure, checking the PRN entered with that displayed on the device. If authentication continues to fail then SecurID synchronization may be necessary or the card's drift factor may need to be reset. Contact your system administrator.

**CKSE0624-9 VALID PRN ENTERED *prn***

- Explanation:** The Pseudo Random Number (PRN) specified has been entered during SecurID authentication and is correct.
- System action:** Token authentication is successful.
- User response:** None.

**CKSE625-9 NO APPLICATION SPECIFIED**

- Explanation:** A user has attempted to access the system using a connect definition which specifies the keyword 'APPL'. This forces an application to be specified at the logo. An application nodename was not specified.
- System action:** The logon fails and the logo is redisplayed.
- User response:** Enter the application nodename to which connection is required at the logo.

**CKSE0626-3 \*WARNING\* LOGON UNDER DURESS**

- Explanation:** A user has been successfully authenticated by a WATCHWORD token, but has used PIN 2 which corresponds to a connect definition line in the user profile which specifies the 'DURESS' keyword. A possible breach of security has occurred.
- System action:** Authentication is continued as normal. If authentication is successful, then the user will be connected to the application specified in the user profile connect data which refers to PIN 1.
- User response:** None.

**CKSE0627-4 SECURID SYSTEM RECORD UPDATED**

- Explanation:** The flags on the system (record to force the use of PINs on SDP tokens or to synchronize using the console at startup) have been updated.
- System action:** None.
- User response:** None.

#### **CKSE0629-4 ZERO DRIFT UPDATE SUCCESSFUL**

- Explanation:** A SecurID token profile has been updated to reset the token's drift factor, thereby synchronizing the card with NC-PASS.
- System action:** The token's drift factor is reset to zero. See *the Administration Manual, Volume 1, Chapter 5 - Token administration* for information regarding the SecurID drift factor.
- User response:** None.

#### **CKSE0631-5 ACCESS DENIED - USER MUST LOG ON USING A TOKEN**

- Explanation:** A user whose profile requires the use of a token has attempted to log on at a logo where there is no opportunity for a token response to be entered.
- System action:** The logon fails and the logo is redisplayed.
- User response:** Contact the system administrator if a token logon is required at this terminal so that a different logo may be used.

#### **CKSE0632-8 TOKEN MUST BE ENABLED AT SYSTEM LEVEL**

- Explanation:** The token type in question must be enabled in order to perform the function requested.
- System action:** The request is rejected.
- User response:** Enable the required token type from the token directory menu option.

#### **CKSE0644-8 TERMINAL IDLE IN ADMINISTRATION PANEL FOR xx MINUTES - TIMED OUT**

- Explanation:** A terminal was displaying the same administration panel for the specified number of minutes without any function key being pressed. The terminal was automatically logged off NC-PASS. The length of time which a panel may be displayed without any screen send is determined by a value in the general system defaults menu option.
- System action:** The terminal is logged off NC-PASS.
- User response:** Log on again if necessary.

#### **CKSE0647-3 ACCESS DENIED - TERMINAL *termname* NOT DEFINED IN PROFILE LIST**

- Explanation:** Terminal profile processing is active on NC-PASS for this terminal (that is, the terminal points to panel ESE0032 in the TDT member for NC-PASS), and the specified terminal is not defined in the list of valid terminals defined in the 'Terminal profile maintenance' menu option.
- System action:** An information panel is displayed.
- User response:** Contact the system administrator to include that terminal in the terminal profile list.

#### **CKSE0648-9 ACCESS DENIED - PANEL *panelname* DOES NOT EXIST**

- Explanation:** Terminal profile processing is active on NC-PASS for this terminal (that is, the terminal points to panel ESE0032 in the TDT member for NC-PASS), and its entry in the terminal profile list specifies an initial panel which does not exist.
- System action:** An information panel is displayed.
- User response:** Contact the system administrator to update the terminal profile list so that the terminal in question points to a valid panel name.

#### **CKSE0649-5 ACCESS DENIED - INVALID RESPONSE TO SECURENET CHALLENGE**

- Explanation:** A SecureNet Key user has attempted to log on with a SecureNet Key token. The response to the token challenge is invalid.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** If continued attempts to log on using the token fail consistently, contact the system administrator to ask for the token to be re-initialized.

#### **CKSE0662-8 DUPLICATE KEY ENTERED**

- Explanation:** The same key has been entered twice for the same token. DES keys should be unique for maximization of security.
- System action:** Any request to save a token profile which specifies two identical keys is rejected.
- User response:** Alter one of the keys or cancel the change.

#### **CKSE0663-9 ENTER TOKEN NUMBER**

- Explanation:** A token number has not been entered.
- System action:** The requested process cannot continue.
- User response:** Enter the token number.

#### **CKSE664-8 ALL TERMINALS MAY NOT BE PERMANENTLY LOCKED**

- Explanation:** A request has been made to lock all terminals using the generic mask (\*). This is not permitted.
- System action:** The lock request is refused.
- User response:** None.

#### **CKSE0666-8 TO GENERATE A KEY THE CURSOR MUST BE PLACED OVER A 'KEY' FIELD**

- Explanation:** The user has attempted to generate a random DES key by pressing <F9>, but the cursor is not placed on a 'Key' field. The program that generates the random key cannot determine which key it is to generate.
- System action:** A DES key is not generated.
- User response:** Tab to the 'Key' field whose key is to be generated and press <F9>.

#### **CKSE0667-8 ENTER USERID(S) TO BE ASSIGNED OR PRESS <PFK04> TO CANCEL**

- Explanation:** An assign function has been invoked using the 'A' line command on a token list panel. Userids which are assigned to tokens may now be amended or removed, and userids may be assigned to spare tokens. To cancel the function, press <F4>.
- System action:** The token list panel switches into ASSIGN mode, allowing userid fields to be overtyped.
- User response:** Overtyping the required userid fields and press <Enter> or cancel the function by pressing <F4>.

#### **CKSE0668-9 TOKEN ALREADY USED BY ANOTHER USER**

- Explanation:** A user has attempted to use a token already being used by another user.
- System action:** The validation requested fails.
- User response:** Check that you are using the correct token. If so, contact your system administrator.

#### **CKSE0669-8 PRODUCT NAME INVALID**

#### **CKSE0670-8 E F AND D ARE THE ONLY SUPPLIED LANGUAGES**

- Explanation:** You have specified a language which is not supported.
- System action:** None.
- User response:** Enter E(nglish), F(rench) or D(German).

#### **CKSE671-8 DELETION OF YOUR OWN PROFILE IS NOT ALLOWED**

- Explanation:** An attempt has been made to delete a profile by the owner of that profile. This is not permitted.
- System action:** The delete request is disallowed.
- User response:** None.

#### **CKSE0672-4 TOKEN INITIALIZATION SUCCESSFULLY COMPLETED**

- Explanation:** A CSL token has been successfully initialized on the NC-PASS system.
- System action:** The information entered to initialize the device is stored on the NC-PASS database.
- User response:** None.

#### **CKSE0674-9 TOKEN TEST SUCCESSFUL**

**Explanation:** A token has been tested from a token profile panel. The test was successful.

**System action:** None.

**User response:** None.

#### **CKSE0675-8 TOKEN TEST UNSUCCESSFUL**

**Explanation:** A token has been tested from a token profile panel. The test was unsuccessful.

**System action:** None.

**User response:** Ensure that the token response entered on the screen is correct. If so, reinitialize the device, reinitialize the token profile, and try again.

#### **CKSE0676-8 THIS USER IS ALREADY ASSIGNED TO TOKEN *token serial***

**Explanation:** An administrator has attempted to assign a user to a token, where that user is already assigned to token *tokenserial*.

**System action:** No token assignment is performed.

**User response:** Free the token to which the user is already assigned. The user may then be reassigned to the required token.

#### **CKSE0677-9 A USER CANNOT BE ASSIGNED TWICE**

**Explanation:** An attempt has been made to assign the same user to the same token twice. This is not permitted.

**System action:** None.

**User response:** Correct the userid to be assigned or cancel the function.

#### **CKSE0678-4 TOKEN PROCESSING HAS BEEN BYPASSED**

**Explanation:** An authentication bypass had previously been enabled for the token in use. During the logon procedure, no check was made on the token response given by the user.

**System action:** Authentication procedures are bypassed once only. The bypass flag for this token's profile is then automatically reset to ensure that token authentication is performed at subsequent logons.

**User response:** None.

#### **CKSE0679-5 ACCESS DENIED - ACCESS PROHIBITED BY TOKEN DEFINITION**

**Explanation:** An attempt has been made to log on using a token whose token profile is disabled.

**System action:** The logon is rejected and the logo is redisplayed.

**User response:** Contact the system administrator to ask for the token in use to be enabled.

#### **CKSE0680-8 INVALID OCTAL NUMBER**

**Explanation:** An invalid value has been entered in a field where an octal number is required. An octal number should consist only of digits ranging from 0 through 7.

**System action:** Any request to save the invalid data will be rejected.

**User response:** Enter a valid octal number in the field in question or cancel the change.

#### **CKSE0681-8 EACH KEY SEGMENT SHOULD BE LESS THAN OCTAL 377**

**Explanation:** An invalid value has been entered as part of a DES key for a token profile. The key is divided into a series of 3-digit segments. Each segment should contain a value between 000 and 376.

**System action:** Any request to save the invalid data will be rejected.

**User response:** Enter an octal number between 000 and 377 in the field in question or cancel the change.

#### **CKSE0682-8 SECURENET TEST UNSUCCESSFUL**

- Explanation:** A token test has been performed for a SecureNet Key token and the response was not correct.
- System action:** None.
- User response:** Repeat the test to check whether the response entered at the terminal was equal to that displayed on the device. If the test is still unsuccessful, then the device and token profile should be reinitialized with the SAME key.

#### **CKSE0683-9 SECURENET TEST SUCCESSFUL**

- Explanation:** A token test has been performed for a SecureNet Key token and the response was correct.
- System action:** None.
- User response:** None.

#### **CKSE0684-8 TEST UNSUCCESSFUL - KEY HAS NOT BEEN SUPPLIED AND ACCEPTED**

- Explanation:** An attempt has been made to test a SecureNet Key device from the token profile panel. The DES key for that token has not yet been entered and saved, so the test cannot be performed.
- System action:** None.
- User response:** Enter the DES key which was supplied to the device onto the screen and retry.

#### **CKSE685-5 ACCESS DENIED - USERID CONTAINS INVALID CHARACTERS**

- Explanation:** An attempt was made to log on using an invalid userid.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Enter the correct userid at the logo.

#### **CKSE0687-5 ACCESS DENIED - TERMINAL LOCKED**

- Explanation:** An attempt was made to access the system at a terminal which is locked by NC-PASS.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Contact the system administrator to ask for the terminal in use to be unlocked.

#### **CKSE0688-5 ACCESS DENIED - TERMINAL PROFILE NOT FOUND**

#### **CKSE0691-5 DUAL ATTEMPT TO UTILIZE ADMIN FUNCTIONS**

- Explanation:** An attempt has been made to log on using the userid supplied which initiates the NC-PASS installation procedures. Another user is currently using the same userid to install the system.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** None.

#### **CKSE0692-4 INITIAL CUSTOMIZATION OF SYSTEM STARTED**

- Explanation:** Installation of NC-PASS is now in progress.
- System action:** A series of panels will be displayed, prompting for information required to install NC-PASS.
- User response:** Follow the instructions displayed on the installation panels.

#### **CKSE0693-3 INVALID ATTEMPT TO INITIALIZE SYSTEM**

- Explanation:** Installation of NC-PASS has been aborted because the supplied userid was not entered correctly.
- System action:** The NC-PASS job terminates.
- User response:** Reinstall the product, ensuring that the supplied userid is entered correctly.

#### **CKSE0694-4 INITIAL USE OF MASTER USERID IN PROGRESS**

- Explanation:** The supplied userid has been entered correctly and installation continues.
- System action:** Further installation panels are displayed.
- User response:** Follow the instructions displayed on the installation panels.

#### **CKSE0695-3 INVALID ATTEMPT TO RE-INITIALIZE SYSTEM - INFORM SUPPORT OFFICE**

**Explanation:** An attempt has been made to reinstall NC-PASS from the beginning. This is not permitted.

**System action:** NC-PASS is terminated.

**User response:** Contact your local support office if reinstallation of the product is required.

#### **CKSE0696-3 CUSTOMIZATION OF SYSTEM HAS FAILED**

**Explanation:** A critical error has occurred during the installation of NC-PASS.

**System action:** NC-PASS is terminated.

**User response:** Contact your local support office.

#### **CKSE0697-4 CUSTOMIZATION OF SYSTEM HAS FINISHED**

**Explanation:** Installation of NC-PASS is now complete.

**System action:** An administrator userid is set up and the installer is shown the 'Administration menu'.

**User response:** None.

#### **CKSE0700-4 MHO LOGON FAILED - LINK NO LONGER AVAILABLE**

**Explanation:** The remote NC-PASS became unavailable to the host during an MHO logon for one of the following reasons:

1. The remote NC-PASS was terminated.
2. MHO was disabled on the remote NC-PASS.
3. The link with the remote NC-PASS was disabled on the host NC-PASS.

**System action:** The user is returned to the logo.

**User response:** The administrator should reestablish the MHO link between the nodes if authentication via MHO is required.

#### **CKSE0701-6 MHO LOGON ABANDONED**

**Explanation:** Logon was abandoned during an MHO transaction.

**System action:** The MHO logon is discontinued and the user is returned to the logo.

**User response:** None.

#### **CKSE0702-4 MHO RESTARTING WITH NEW HOST ACB**

**Explanation:** The VTAM nodename for the host MHO has been amended while MHO was still active. MHO is restarted.

**System action:** MHO is terminated and automatically restarted with the new ACB.

**User response:** None.

#### **CKSE0706-5 UNAUTHORIZED ATTEMPT TO INVOKE ADMINISTRATION FUNCTION**

**Explanation:** A user has attempted to access an administration function to which he is not authorized by amending his userid, authority group or authority level.

**System action:** The offending terminal is locked and displays an information panel.

**User response:** Contact the system administrator to unlock the terminal.

#### **CKSE0707-5 ACCESS DENIED - ADMINISTRATION VIA AN LU1 DEVICE NOT SUPPORTED**

**Explanation:** An attempt has been made to access the administration system from an LU1 device. This is not permitted.

**System action:** The logon is rejected and the logo is redisplayed.

**User response:** None.

#### **CKSE0708-6 WW PIN SETUP PROCEDURE IN PROGRESS**

**Explanation:** A WATCHWORD user has logged on where the PIN instruction flag is set to on for that token (normally for the first token logon).

**System action:** The user is shown a series of panels relating to the initialization of the token.

**User response:** Follow the instructions displayed.

#### CKSE0709-6 WW PIN SETUP PROCEDURE ABANDONED BY USER

- Explanation:** A WATCHWORD user pressed <F3> while viewing the PIN setup instructions. The procedure was abandoned.
- System action:** The user is returned to the logo.
- User response:** None.

#### CKSE0710-5 UNAUTHORIZED ACCESS - ENTRY DISALLOWED TO *name*

- Explanation:** An attempt has been made to execute the NCI routine *name* by a user whose user profile is not defined as an administrator or operator. Permission was refused.
- System action:** The function is terminated.
- User response:** The user profile should have administrator or operator authority to perform the function requested.

#### CKSE0711-6 LOGOFF

- Explanation:** The specified user was logged off. See accompanying messages for further information.
- System action:** The user is returned to the NC-PASS logo.
- User response:** None.

#### CKSE0712-6 WAITING FOR MHO LOGON - NODE=*name*

- Explanation:** An MHO transaction is in progress during authentication for logon. This may take some time.
- System action:** An information panel is displayed during the MHO transaction. The user may press <F3> to abandon the logon.
- User response:** Wait or press <F3> to abandon the logon.

#### CKSE0716-4 USER *user1* LOCKED BY *user2*

- Explanation:** The specified userid, or generic group of userids, *user1*, was locked by user *user2*, such that any attempt to log on with that userid will be rejected.
- System action:** A record is written to the administration file to indicate that this userid or group should be rejected.
- User response:** None.

#### CKSE0717-4 USER *user1* UNLOCKED BY *user2*

- Explanation:** The given userid or group of userids, *user1*, has been unlocked by user *user2*.
- System action:** The lock for that user is removed so that logons with the userid will be allowed.
- User response:** None.

#### CKSE0718-6 SECURENET PIN SETUP PROCEDURE IN PROGRESS

- Explanation:** A SecureNet Key user has logged on where the PIN instruction flag is set to on for that token (normally for the first token logon).
- System action:** The user is shown a series of panels relating to the initialization of the token.
- User response:** Follow the instructions displayed.

#### CKSE0719-6 SECURENET PIN SETUP PROCEDURE ABANDONED BY USER

- Explanation:** A SecureNet Key user pressed <F3> while viewing the PIN setup instructions. The procedure was abandoned.
- System action:** The user is returned to the logo.
- User response:** None.

#### CKSE0720-7 SECURENET PIN SETUP COMPLETED

- Explanation:** The token PIN instruction panels relating to the device to which the user is assigned have been displayed at his terminal.
- System action:** The logo is redisplayed.
- User response:** None.

#### **CKSE0721-5 ACCESS DENIED - INVALID CSL S200 SPIN**

- Explanation:** A CSL user has attempted to log on with a token. The session personal identification number (SPIN) was invalid.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Repeat the logon procedure. If continued attempts fail, consult the system administrator to ask for the device to be reinitialized, or the CSL SPIN window size to be increased.

#### **CKSE725-4 RECOVERY IN PROGRESS**

- Explanation:** A cross-reference mismatch was detected in the NC-PASS database owing to a VSAM failure or system shutdown at a critical time. The system will attempt to correct the offending records.
- System action:** The system will attempt to correct any cross-references on the administration file which are in error and will output appropriate messages for each transaction performed.
- User response:** None.

#### **CKSE0726-4 (R) (tok/serial) UPIP TX=*transname***

- Explanation:** Messages relating to recovery transactions are prefixed with (R). An update-in-progress (UPIP) record was found for the given token. This record indicates that an error occurred during the transaction *transname*.
- System action:** The system will perform I/O functions in an attempt to correct the mismatch.
- User response:** None.

#### **CKSE0727-4 (R) (tok/serial) INDEX RECORD *recordid***

- Explanation:** Messages relating to recovery transactions are prefixed with (R). The specified function has been performed on the index record for the given token. Token index records may be added or deleted.
- System action:** The token index record for the token shown is added or deleted to correct the mismatch.
- User response:** None.

#### **CKSE728-4 RECOVERY COMPLETE**

- Explanation:** A recovery has been performed on the NC-PASS database and has completed successfully.
- System action:** None.
- User response:** None.

#### **CKSE0729-4 (R) COUNT OF ASSIGNED USERS CORRECTED**

- Explanation:** Messages relating to recovery transactions are prefixed with (R). An error was detected in the number of assigned users. This figure was corrected.
- System action:** The new number of assigned users is saved to the database.
- User response:** None.

#### **CKSE0730-8 ENTER REASON FOR LOCK**

- Explanation:** An attempt has been made to lock a userid or terminal id, where the reason for the lock has not been specified.
- System action:** The lock function is not performed.
- User response:** Enter the reason for locking the userid or terminal id.

#### **CKSE0731-8 ENTER USERID**

- Explanation:** The function requested required the administrator to enter a userid.
- System action:** The function is not performed.
- User response:** Enter the required userid at the cursor position.

#### **CKSE0732-8 INVALID LINE COMMAND**

- Explanation:** The line command specified is not valid.
- System action:** None.
- User response:** See help text for a list of valid line commands for the panel in question.

#### **CKSE0733-8 USERID ALREADY LOCKED**

**Explanation:** An attempt was made to lock a userid which is already locked.

**System action:** None.

**User response:** None.

#### **CKSE0734-8 INVALID TERMINAL ID**

**Explanation:** The terminal id specified is not valid. A terminal id may not contain embedded asterisks (\*).

**System action:** The function requested is not performed.

**User response:** Correct the offending terminal id or cancel the function.

#### **CKSE0735-8 ENTER TERMINAL**

**Explanation:** A terminal id is required for the requested function.

**System action:** The function is not performed.

**User response:** Enter the required terminal id at the cursor position.

#### **CKSE0736-8 ALL USERIDS MAY NOT BE PERMANENTLY LOCKED**

**Explanation:** An attempt has been made to lock all userids on the NC-PASS system by specifying the generic mask of a single asterisk (\*). This is not permitted.

**System action:** The function is rejected.

**User response:** Correct the userid or cancel the function.

#### **CKSE0737-8 INVALID USERID**

**Explanation:** The userid entered was not valid. A userid may only contain the following characters:  
A through Z, 0 through 9, national characters

**System action:** The request is rejected.

**User response:** Correct the offending userid or cancel the function.

#### **CKSE0738-8 TERMINAL(S) ALREADY LOCKED**

**Explanation:** An attempt was made to lock a terminal, or group of terminals which is/are already locked.

**System action:** None.

**User response:** None.

#### **CKSE0739-5 INVALID ATTEMPT TO INVOKE PRODUCT INSTALLATION PROCEDURES**

**Explanation:** A user has attempted to run NC-PASS installation procedures. This is not permitted.

**System action:** The user who has attempted to run these procedures is shown an information panel and the terminal is locked.

**User response:** Contact the system administrator to unlock the terminal.

#### **CKSE0740-4 USER PROFILE ADDED FOR *userid***

**Explanation:** A user profile identified by the given userid has been added to the NC-PASS database successfully.

**System action:** The user profile record is added.

**User response:** None.

#### **CKSE0741-8 PRINTER NAME NOT REQUIRED**

**Explanation:** A printer name was specified for a print request where it is not required.

**System action:** The print function is not initiated.

**User response:** Remove the printer name and retry.

#### **CKSE0742-8 CLASS NOT REQUIRED**

**Explanation:** A print class was specified for a print request where it is not required.

**System action:** The print function is not initiated.

**User response:** Remove the print class and retry.

#### **CKSE0743-8 FORMS NOT REQUIRED**

**Explanation:** A forms type was specified for a print request where it is not required.

**System action:** The print function is not initiated.

**User response:** Remove the forms type and retry.

#### **CKSE0744-8 \*\*WARNING\*\* NUMBER OF PAGES IN REPORT SELECTED IS *nnn***

**Explanation:** The user has opted to print a report. The number of pages in the report, *nnn*, will exceed 100.

**System action:** The report is not produced. The information message is displayed.

**User response:** Either press <Enter> to override the message and print the report, or press <F12> to abandon the report. The report may be limited by specification of further search criteria.

#### **CKSE0745-7 AUTHENTICATION OF *userid***

**Explanation:** Authentication of the given token user is in progress.

**System action:** The appropriate token authentication procedures are invoked.

**User response:** None.

#### **CKSE0746-5 AUTHENTICATION FAILED FOR USER *userid***

**Explanation:** Authentication of the given token user has failed.

**System action:** The initial authentication panel is redisplayed.

**User response:** The user whose identity was being checked has failed authentication. Retry if necessary.

#### **CKSE0747-5 AUTHENTICATION FAILED FOR USER *userid* NO TOKEN ASSIGNED**

**Explanation:** Authentication for the given user has failed since that user is not assigned a token.

**System action:** The initial authentication panel is redisplayed.

**User response:** The user should either be rejected or should be assigned to the token in use and re-authenticated.

#### **CKSE0748-5 AUTHENTICATION FAILED FOR USER *userid* TOKEN DISABLED**

**Explanation:** Authentication for the given user has failed since the token in use is not enabled.

**System action:** The initial authentication panel is redisplayed.

**User response:** Either the user should be rejected or the token type specified should be enabled at system level via the 'Token Directory' menu option and the user re-authenticated.

#### **CKSE0749-5 AUTHENTICATION FAILED FOR USER *userid* SIGN/ON NOT PERMITTED**

**Explanation:** Authentication for the given user has failed since the user is assigned to a Sign/On device. Authentication is not available for Sign/On.

**System action:** The initial authentication panel is redisplayed.

**User response:** None. The user cannot be authenticated.

#### **CKSE0750-7 AUTHENTICATION SUCCEEDED FOR USER *userid***

**Explanation:** Authentication for the given user is successful. The identity of the individual is proven.

**System action:** The initial authentication panel is redisplayed.

**User response:** None.

**CKSE0751-5 AUTHENTICATION FAILED USER *userid* LOCKED**

- Explanation:** Authentication for the given user has failed since the user is locked.
- System action:** The initial authentication panel is redisplayed.
- User response:** The user should either be rejected or unlocked and re-authenticated.

**CKSE0752-5 AUTHENTICATION OF *userid* ABANDONED**

- Explanation:** <F12> was pressed during authentication of user *userid*. The function was cancelled.
- System action:** Authentication of the specified user is aborted.
- User response:** None.

**CKSE0753-4 SHUTDOWN IN PROGRESS**

- Explanation:** The NC-PASS job is about to terminate.
- System action:** All files are closed and the NC-PASS job is ended.
- User response:** None.

**CKSE0754-3 RECOVERY STARTUP OPTION NOT SELECTED, BACKUP NOT AVAILABLE**

- Explanation:** The user has attempted to permit back up recovery actions to process using the BACKUP panel.
- System action:** The user did not include the recovery option in the job startup options. The attempt is rejected.
- User response:** The decision must be made as to whether recovery is required. If it is, the NC-PASS job will have to be stopped, the appropriate start up parameters included, recovery files specified, and the job restarted. Consult the manual.

**CKSE0755-4 BACKUP OF DATABASE IN PROGRESS**

- Explanation:** This is an information message to record that a back up action is being processed.
- System action:** The back up continues.
- User response:** None.

**CKSE0756-2 BACKUP OF DATABASE ABANDONED - CLOSE DATABASE FAILED**

- Explanation:** An attempt has been made to carry out a back up procedure. The ADMINDB database cannot be closed.
- System action:** The back up attempt is abandoned.
- User response:** Contact your local PassGo Technologies support office.

**CKSE0757-2 BACKUP OF DATABASE ABANDONED - DEALLOCATE DATABASE FAILED**

- Explanation:** An attempt has been made to carry out a back up procedure. The ADMINDB database cannot be deallocated.
- System action:** The back up attempt is abandoned.
- User response:** Contact your local PassGo Technologies support office.

**CKSE0758-2 BACKUP OF DATABASE ABANDONED - CLOSE TRANSACTION LOG FAILED**

- Explanation:** An attempt has been made to carry out a back up procedure. The Transaction Log cannot be closed.
- System action:** The back up attempt is abandoned.
- User response:** Contact your local PassGo Technologies support office.

**CKSE0759-2 BACKUP OF DATABASE ABANDONED - DEALLOCATE TRANSACTION LOG FAILED**

- Explanation:** An attempt has been made to carry out a back up procedure. The Transaction Log cannot be deallocated.
- System action:** The back up attempt is abandoned.
- User response:** Contact the local PassGo Technologies support office.

#### **CKSE0760-4 BACKUP OF DATABASE IN PROGRESS - ADMINDB NOT AVAILABLE**

- Explanation:** Issued when the administrator permits the back up to run. The ADMINDB file is temporarily unavailable while it is being copied. The system periodically attempts to retrieve the database, and if the database is still being copied, it is not available and the message is issued.
- System action:** The System cannot be used while the backup takes place.
- User response:** None, if the elapsed time is short. If several minutes have elapsed and users are being inconvenienced, consult the System console to determine the progress of the IDCAMS job to copy the ADMINDB file.

#### **CKSE0761-4 BACKUP OF DATABASE SUCCESSFULLY COMPLETED**

- Explanation:** This is an information message recording that a back up action has been successfully completed.
- System action:** The NC-PASS system is available for use.
- User response:** Record the time of the event and the name of the back up database.

#### **CKSE0762-2 BACKUP OF DATABASE FAILED**

- Explanation:** This is an information message recording that a back up action has failed.
- System action:** The NC-PASS system is available for use.
- User response:** Contact your local PassGo Technologies support office.

#### **CKSE0763-2 ALLOCATE TRANSACTION LOG FILE FAILED**

- Explanation:** The NC-PASS database has been backed up. The startup options for the job specify that the recovery option is required. An attempt to allocate a VSAM ESDS to be used as a Transaction Log file has failed.
- System action:** The NC-PASS system will be available for use. A copy of the ADMINDB file will exist. Current transaction logging will be unavailable and further recovery will not be possible.
- User response:** Confirm the Transaction Log file definition is correct.

#### **CKSE0764-2 OPEN ADMINDB DATABASE FAILED**

- Explanation:** An attempt to open the ADMINDB database failed.
- System action:** None.
- User response:** None.

#### **CKSE0765-5 ACCESS DENIED - NC-PASS MAINTENANCE IN PROGRESS**

- Explanation:** An attempt was made to log on while database maintenance was in progress.
- System action:** The user is returned to the logo.
- User response:** Wait until NC-PASS maintenance has finished, then repeat the logon procedure.

#### **CKSE0770-8 SMF ROUTE SELECTED, PLEASE ENTER AN SMF RECORD TYPE**

- Explanation:** A request has been made to route messages of a certain severity to an SMF dataset, but an SMF record type was not entered.
- System action:** None.
- User response:** Enter the required SMF record type at the cursor position.

#### **CKSE0771-9 TOP OF DATA REACHED**

- Explanation:** A backwards search has been performed on a string and has ended at the top of the dataset without having found a match.
- System action:** None.
- User response:** None.

#### **CKSE0772-8 SMF RECORD TYPE MUST BE NUMERIC, FROM 128 TO 255**

- Explanation:** An invalid value has been entered in an SMF record type field. An SMF record type must be numeric and must range in value from 128 through 255.
- System action:** The SMF record type is not accepted.
- User response:** Enter a correct SMF record type or cancel the request.

#### **CKSE0775-5 INVALID RESPONSE FOR NEW CSL S200 PIN**

- Explanation:** The response entered to verify a new PIN was rejected.
- System action:** The record of the PIN is not altered on NC-PASS. The logo is redisplayed.
- User response:** Repeat the logon process again, changing the PIN if necessary, taking care to enter the response to the new PIN correctly. If attempts consistently fail, then the device should be reset by the system administrator.

#### **CKSE776-5 ACCESS DENIED - UNAUTHORIZED ATTEMPT TO CONNECT TO NC-PASS**

- Explanation:** An attempt has been made to connect to NC-PASS as an administrator using CINIT data. CINIT data is used internally and may not be specified by the user.
- System action:** The logon attempt is rejected. The user is returned to the logo.
- User response:** None.

#### **CKSE0779-9 REPORT PRINTED**

- Explanation:** The requested report has been printed.
- System action:** None.
- User response:** None.

#### **CKSE0783-4 TOKEN DELETED (*tok/serial*)**

- Explanation:** The requested token profile record has been deleted from the NC-PASS database.
- System action:** None.
- User response:** None.

#### **CKSE0784-4 TOKEN ADDED (*tok/serial*)**

- Explanation:** The requested token profile has been added to the NC-PASS database.
- System action:** None.
- User response:** None.

#### **CKSE0785-4 SIGN/ON TERMINAL SYNCHRONIZED**

- Explanation:** Synchronize data required by the Sign/On device has been processed successfully.
- System action:** System proceeds to the next stage in Sign/On initialization which is set the communication port characteristics.
- User response:** None.

#### **CKSE0786-3 SIGN/ON TERMINAL FAILED TO SYNCHRONIZE**

- Explanation:** The Sign/On device has failed to respond correctly to the synchronization data communicated to it.
- System action:** The device is flagged as unavailable for use.
- User response:** Check that the Sign/On device is
- switched on.
  - LOGAPPL'd to NC-PASS.
  - defined correctly in the TDT for NC-PASS.

Synchronization will be reattempted if the Sign/On device is switched off then on again. If the problem persists the most likely explanation is a hardware error in either the Sign/On pad or the 3270 protocol converter.

#### **CKSE0787-4 SIGN/ON TERMINAL PORT CHARACTERISTICS SET**

- Explanation:** The second part of the initialization procedure for the Sign/On device has successfully completed.
- System action:** The device is flagged as available.
- User response:** None.

### CKSE0788-3 SIGN/ON TERMINAL PORT CHARACTERISTICS FAILED TO SET

- Explanation:** The Sign/On device has failed to respond correctly to the port settings communicated to it.
- System action:** The device is flagged as unavailable for use.
- User response:** Check that the Sign/On device is switched on, LOGAPPL'd to NC-PASS and defined correctly in the TDT for NC-PASS. Synchronization will be reattempted if the Sign/On device is switched off then on again. If the problem persists the most likely explanation is a hardware error in either the Sign/On pad or the 3270 protocol converter.

### CKSE0790-5 ACCESS DENIED - SIGN/ON TERMINAL-ID INVALID

- Explanation:** The terminal id for the Sign/On device in use is not a recognized active terminal. The terminal id entered is not valid, not recognized or not active.
- System action:** The logon fails and the logo is redisplayed.
- User response:** Ensure that the terminal id was correctly entered. Ensure that the terminal id entered is a valid active terminal. Vary the terminal id active if necessary.

### CKSE791-4 MESSAGE ESCALATION FILE UPDATED

- Explanation:** Message escalation parameters have been amended and saved successfully.
- System action:** The new escalation records are saved to the NC-PASS database.
- User response:** None.

### CKSE0792-4 MESSAGE ROUTING UPDATED

- Explanation:** Message routing parameters have been amended and saved successfully.
- System action:** The new message routing records are saved to the NC-PASS database.
- User response:** None.

### CKSE0793-6 SIGN/ON LOGON ABANDONED

- Explanation:** Authentication using a Sign/On device was abandoned at the user's request.
- System action:** The NC-PASS logo is redisplayed.
- User response:** None.

### CKSE794-8 VTAM PRINTER DEFINITION NOT FOUND

- Explanation:** The user has entered a VTAM printer name on a report production panel. The VTAM printer name is not present in the Printer column of the VTAM PRINTER DEFINITIONS panel.
- System action:** The report cannot be produced.
- User response:** Correct and reenter the VTAM printer name. Update the VTAM PRINTER DEFINITIONS panel if necessary.

### CKSE0796-2 NC-PASS ARCHIVE FILE UNAVAILABLE - FILE *n*

- Explanation:** An attempt has been made to open a VSAM ESDS Archive file for use by the message processing system. The attempt has failed. The number of the file (*n*) is displayed, which corresponds to the file number on the ARCHIVE FILE CONTROL panel.
- System action:** Routing of messages to archive files ceases.
- User response:** Examine the error message and the ARCHIVE FILE CONTROL panel. Confirm that the file has been defined.

### CKSE0797-5 SIGN/ON TRANSACTION SEQUENCE ERROR - RESET DEVICE

- Explanation:** Multiple sign/on requests to the same Sign/On device will be processed in sequence. Because the communication to the device is asynchronous each signature verification request is given a transaction number to identify it. The Sign/On device is able to store multiple requests sent to it. If for any reason storage is corrupted the Sign/On device may return a response to the host which does not match the transaction number expected.
- System action:** The device is flagged as unavailable for use. Users being processed will be returned to the initial logo.
- User response:** The most likely explanation is a hardware error in either the Sign/On pad or the 3270 protocol converter. It may be possible to overcome the problem by resetting the device ie switch it off then on again.

#### **CKSE0798-5 ACCESS DENIED - SIGNATURE REJECTED**

- Explanation:** An attempt was made to access the system using the Sign/On device. The signature offered was rejected by the authentication procedure.
- System action:** The logon fails and the logo is redisplayed.
- User response:** Repeat the logon procedure. If repeated attempts fail, then contact the system administrator who should remove the userid from the list of Sign/On users and add it again. This will allow the user to enrol again.

#### **CKSE0803-5 ACCESS DENIED - SIGN/ON SIGNATURE CAPTURE FAILURE**

- Explanation:** The Sign/On device was unable process the signature.
- System action:** Inform the user of the failure, make the device available for the next signature to be processed.
- User response:** Retry.

#### **CKSE0804-5 ACCESS DENIED - SIGN/ON EXACT SIGNATURE MATCH**

- Explanation:** An attempt was made to access the system using the Sign/On device. The signature offered was rejected by the authentication procedure because it was identical to the signature used as a model for that user.
- System action:** The logon fails and the logo is redisplayed.
- User response:** Repeat the logon procedure. If repeated attempts fail, then contact the system administrator who should remove the userid from the list of Sign/On users and add it again. This will allow the user to enrol again.

#### **CKSE0805-5 SIGN/ON SUBMIT SIGNATURE TIME-OUT**

- Explanation:** The Sign/On tablet has been waiting for a signature for more than 90 seconds, a signature was not provided.
- System action:** Device is made available to process the next signature.
- User response:** None.

#### **CKSE0806-5 SIGN/ON ID DATA AUTHENTICATION ERROR**

- Explanation:** An error occurred in the authentication processing performed by the Sign/On device.
- System action:** Device is made available to process the next signature.
- User response:** Retry, report error to help desk.

#### **CKSE0807-5 SIGN/ON ENROLMENT SIGNATURES REJECTED**

#### **CKSE0808-5 SIGN/ON TABLET HAS NO PEN ATTACHED**

- Explanation:** Pen has been unplugged or the wire connecting it to the tablet has been damaged.
- System action:** Device is made available to process the next signature.
- User response:** Ensure the pen is attached correctly.

#### **CKSE0809-3 SIGN/ON HARDWARE OR COMMUNICATIONS FAILURE DETECTED**

- Explanation:** Hardware error in the Sign/On tablet or protocol converter.
- System action:** None.
- User response:** Report error to help desk, use alternative device if available.

#### **CKSE0810-5 SIGN/ON ERROR IN RECEIVED PACKET**

- Explanation:** The signature data passed to the Sign/On device is invalid. The most likely explanation is that the data has been corrupted due to a software error.
- System action:** Device is made available to process the next signature.
- User response:** Retry, report error to help desk.

#### **CKSE0811-5 SIGN/ON AUTHENTICATION ERROR IN RECEIVED PACKET**

- Explanation:** The signature data being processed by the Sign/On device is invalid. The most likely explanation is that the data has been corrupted due to a software error.
- System action:** Device is made available to process the next signature.
- User response:** Retry, report error to help desk.

#### **CKSE0812-5 SIGN/ON DATA ERROR IN RECEIVED PACKET**

- Explanation:** The signature data being processed by the Sign/On device is invalid. The most likely explanation is that the data has been corrupted due to a software error.
- System action:** Device is made available to process the next signature.
- User response:** Retry, report error to help desk.

#### **CKSE0813-3 SIGN/ON TABLET FAULT OR SIGN/ON CONTROLLER FIRMWARE ERROR**

- Explanation:** Hardware error detected in Sign/On device.
- System action:** None.
- User response:** Report error to help desk.

#### **CKSE0814-3 SIGN/ON ERROR (RC=*rc*)**

- Explanation:** *rc* is the return code given by the Sign/On device as a result of processing a signature.
- System action:** None.
- User response:** Report the error to help desk.

#### **CKSE0815-6 SIGN/ON DEVICE REQUIRES RESETTING**

- Explanation:** A user has attempted to log on using the Sign/On device. The device is not ready for use.
- System action:** The log on attempt is rejected.
- User response:** Switch the Sign/On device off and on.

#### **CKSE0822-8 UNABLE TO OPEN *filename***

- Explanation:** The VSAM file *filename* cannot be opened.
- System action:** None. The request is rejected.
- User response:** Ensure that the dataset name was entered correctly and that the dataset itself does exist.

#### **CKSE0823-8 PRODUCT SUBCODE UPDATED**

- Explanation:** The table of product subcodes has been updated.
- System action:** The NC-PASS database is updated to record the amendment.
- User response:** None.

#### **CKSE0824-4 WARNING MESSAGE UPDATED**

- Explanation:** The user has updated a warning message for a token. When the token is used on or after the warning date specified on the user profile, the message will be issued.
- System action:** The warning message is recorded on the NC-PASS database.
- User response:** None.

#### **CKSE0825-4 VTAM PRINTER DEFINITIONS UPDATED**

- Explanation:** The user has updated the VTAM printer definition list.
- System action:** The amendments are recorded on the NC-PASS database.
- User response:** None.

#### **CKSE0826-8 DATASET NAME HAS NOT BEEN SPECIFIED**

- Explanation:** A function has been requested which requires a dataset name. A dataset name has not been specified.
- System action:** None.
- User response:** Enter the required dataset name at the cursor position.

#### **CKSE0827-8 UNABLE TO ALLOCATE DATASET**

- Explanation:** The system is unable to allocate a dataset, because the dataset does not exist or the dataset is in use by another user.
- System action:** None.
- User response:** Ensure that the dataset name was entered correctly. Determine whether the dataset is allocated to another resource.

#### **CKSE0828-8 UNABLE TO DEALLOCATE DATASET (RC=xxx ERC=yyy IRC=zzz)**

- Explanation:** The system is unable to deallocate a dataset. Information returned includes the error return code, *yyy*, and the information return code, *zzz*.
- System action:** The function will be terminated.
- User response:** Refer to IBM documentation regarding dataset deallocation.

#### **CKSE0829-2 ERROR CLOSING DATASET**

- Explanation:** The transaction requested was unable to close a dataset.
- System action:** None.
- User response:** None.

#### **CKSE0830-6 SIGN/ON DATA SCORE=*score* THRESHOLD=*limit* VULNERABILITY=*prot* RC=*nn***

- Explanation:** This message is produced when the Sign/On device is used to log on. The score represents the result of appraising the signature. The threshold is the limit, beyond which the signature will not be judged successful. The vulnerability describes how much protection the signature offers. For example a signature 'A' is easier to forge than a signature 'ABCDE'. A low number indicates low vulnerability.
- System action:** None.
- User response:** None.

#### **CKSE831-8 INVALID NUMBER OF PARAMETERS - SPECIFY 'OPTION PANELNAME'**

- Explanation:** The user has attempted to delete a panel from storage. A panel must be specified following the menu option.
- System action:** No attempt is made to delete a panel.
- User response:** Correct the parameters and reenter.

#### **CKSE0832-4 PANEL *pname* DELETED FROM STORAGE**

- Explanation:** The user has successfully deleted panel *pname*.
- System action:** The panel is deleted from storage.
- User response:** None.

#### **CKSE0833-4 ARCHIVE FILE OPENED/CLOSED FILE NUMBER *n***

- Explanation:** An archive message file has opened or closed. The number '*n*' is the number of the file on the Archive File Control panel.
- System action:** The file is opened or closed.
- User response:** None.

#### **CKSE0834-4 NCI LOG CONTROL DATA UPDATED**

- Explanation:** The user has updated the details on the NCI Log Control panel.
- System action:** The NC-PASS database is updated.
- User response:** None.

#### **CKSE0835-4 NCI LOG HAS BEEN SWITCHED TO NCILOG1/NCILOG2**

- Explanation:** The NCILOG in use has changed. This may have been implemented immediately from the NCI Log Control panel or at a set time recorded on the same panel. It may have changed automatically because the current log was full.
- System action:** A different log is used.
- User response:** None.

#### **CKSE0836-8 INVALID NUMBER OF PARAMETERS - SPECIFY 'OPTION MEMBERNAME'**

- Explanation:** The user has attempted to define a new TDT member without having specified a membername to be defined.
- System action:** None.
- User response:** Correct the parameter and reenter.

#### **CKSE0837-4 MEMBER *TDTname* DEFINED**

- Explanation:** The user has successfully defined a new TDT.
- System action:** The system uses the new TDT.
- User response:** None.

#### **CKSE0839-4 ARCHIVE FILE CONTROL UPDATED**

- Explanation:** The user has updated details on the Archive File Control panel.
- System action:** The NC-PASS database is updated.
- User response:** None.

#### **CKSE0840-8 ARCHIVE FILE IN USE BY MESSAGE ROUTING SYSTEM, TRY AGAIN**

- Explanation:** An attempt has been made to produce a report from an archive file. The file is open and currently in use.
- System action:** The report will not be produced.
- User response:** Confirm that the correct archive file has been specified. If it has, it must first be freed using the ARCHIVE FILE CONTROL panel.

#### **CKSE0841-2 TIMED ARCHIVE FILE SWITCH FAILED - NO FILES AVAILABLE**

- Explanation:** The user has specified a time on the ARCHIVE FILE CONTROL panel for the file in use to change. This cannot be achieved.
- System action:** Storing messages on an archive file ceases.
- User response:** Examples of the rules for file switching are given in the manual and the help text. To continue archiving, the ARCHIVE FILE CONTROL panel should be updated.

#### **CKSE0843-8 INVALID FORMAT FOR WW1 TEST RESPONSE**

- Explanation:** The user has entered a test response to a Watchword challenge of '1111111' in an invalid format.
- System action:** The test response is not validated.
- User response:** Correct and reenter the response. Consult the NC-PASS Administration Manual, Volume 1, *Chapter 5 - Token administration* for further information.

#### **CKSE0844-8 A KEY MUST BE SET BEFORE TOKEN CAN BE TESTED**

- Explanation:** The user has pressed <F2> to test a Watchword token response. The key has not been defined for this token so it cannot be done.
- System action:** The test response is not validated.
- User response:** Enter the token key and retry.

#### CKSE0845-8 INVALID FORMAT FOR SDA PRN

- Explanation:** The user has pressed <F2> in the SecurID Token Profile Detail panel to test the entered PRN (Pseudo Random Number).
- System action:** None.
- User response:** Correct and reenter the PRN.

#### CKSE0853-8 ENTER SECURENET RESPONSE

- Explanation:** The user has pressed <F2> in the SecureNet Token Profile Detail panel without entering a test response.
- System action:** None.
- User response:** Key a test response before pressing <F2>.

#### CKSE0855-8 TOKEN SERIAL NUMBER MUST BE NUMERIC

- Explanation:** The token serial number entered is not numeric.
- System action:** The panel is redisplayed.
- User response:** Correct and reenter the token serial number. (Do not enter any letters which may appear as a prefix or suffix on the token.)

#### CKSE856-8 INVALID DATE

- Explanation:** The date which was entered is invalid or is not in the format required. All dates should be entered in the format specified in the GENERAL SYSTEM OPTIONS panel.
- System action:** No further processing is performed until the date is corrected or the function is cancelled.
- User response:** Enter the date in the required format or cancel the function.

#### CKSE0857-9 SECURENET KEY SEGMENT MAY NOT BE ZERO

- Explanation:** A SecureNet DES key has been entered, one of the three digit segments of which is '000'.
- System action:** None.
- User response:** Correct and reenter the key segment.

#### CKSE858-8 INVALID CODE FOR PASSWORD VALIDATION

- Explanation:** The user has entered an invalid code into the 'Password Validation' field on the USER PROFILE panel.
- System action:** None.
- User response:** Refer to the NC-PASS Administration Manual, Volume 1, *Chapter 3 - Controlling user access* for further information regarding the specification of the password validation field. Correct and reenter the field.

#### CKSE0859-8 INVALID AUTHORITY TYPE

- Explanation:** The user has entered an invalid Authority Type on the USER PROFILE panel.
- System action:** None.
- User response:** Refer to the NC-PASS Administration Manual, Volume 1, *Chapter 3 - Controlling user access* for further information regarding the specification of the authority type field. Correct and reenter the field.

#### CKSE0860-8 INSUFFICIENT AUTHORITY TO DEFINE USERS TO THIS GROUP

- Explanation:** A user has attempted to define a user profile with an authority group which is different from his own.
- System action:** None.
- User response:** None.

#### CKSE0861-8 AUTHORITY LEVEL MUST BE NUMERIC

- Explanation:** The Authority Level entered is not numeric.
- System action:** None.
- User response:** Correct and reenter the authority group.

#### **CKSE0862-8 INSUFFICIENT AUTHORITY TO DEFINE USERS TO THIS LEVEL**

**Explanation:** A user has attempted to define a user profile with an authority level higher than his own.

**System action:** None.

**User response:** None.

#### **CKSE0863-8 RETRY MAXIMUM MUST BE NUMERIC**

**Explanation:** The user has attempted to enter a non-numeric Retry Maximum on a **User Profile Detail** panel.

**System action:** None.

**User response:** Correct and reenter the retry maximum.

#### **CKSE0864-8 INVALID TIME**

**Explanation:** The user has entered an invalid time.

**System action:** None.

**User response:** Correct and reenter the time.

#### **CKSE0865-9 INVALID CODE - ENTER 'N', 'E' OR 'K'**

**Explanation:** The user has updated a Connect Definition for a user profile, with an invalid code.

**System action:** None.

**User response:** Enter a valid code, or press <F12> to abandon the transaction.

#### **CKSE0866-8 ENTER DESTINATION**

**Explanation:** The user has entered a 'Code' but no 'Destination' for the connect definition of a user profile.

**System action:** None.

**User response:** Enter a destination.

#### **CKSE0868-8 DUPLICATE TERMINAL ID**

**Explanation:** A terminal id in the terminal profile maintenance panel clashes with that of another definition.

**System action:** None.

**User response:** Alter or delete the offending terminal profile definition line.

#### **CKSE0869-8 ENTER PANEL NAME**

**Explanation:** A terminal profile list has been set up but no panel name has been specified for a terminal.

**System action:** None.

**User response:** Ensure that a panel name is specified on the first and, if necessary, subsequent lines of the terminal profile list.

#### **CKSE0870-8 ENTER GROUP**

**Explanation:** A terminal profile list has been set up but no group name has been specified for a terminal.

**System action:** None.

**User response:** Enter a group name on the first and if necessary, subsequent lines of the terminal profile list.

#### **CKSE0871-8 WINDOW SIZE SHOULD BE A NUMBER FROM 1 TO xx**

**Explanation:** The user has incorrectly updated the window size on the 'Set Safe S220 System Spin Window Size' panel.

**System action:** None.

**User response:** Correct and reenter the window size to be within the upper limit of xx.

#### **CKSE0873-8 INVALID DATE FORMAT CODE - ENTER 1, 2 OR 3**

**Explanation:** The user has updated the GENERAL SYSTEM DEFAULTS panel with an invalid date format code.

**System action:** None.

**User response:** Correct the code and reenter.

#### **CKSE0874-8 ENTER 'X' TO ROUTE MESSAGE TO DESTINATION**

**Explanation:** A value other than X has been entered in one of the fields representing an output route.

**System action:** None.

**User response:** Correct the message routing flags to 'x' or blank.

#### **CKSE0877-4 TERMINAL PROFILES UPDATED**

**Explanation:** The terminal profile list has been amended and saved successfully.

**System action:** The NC-PASS database is updated.

**User response:** None.

#### **CKSE0879-4 USER PROFILE UPDATED FOR *userid***

**Explanation:** A user profile has been amended and saved successfully.

**System action:** The NC-PASS database is updated.

**User response:** None.

#### **CKSE0880-4 SAFE S220 SYSTEM SPIN WINDOW SIZE UPDATED TO *nn***

**Explanation:** Confirmation that the user has updated the SPIN window size to be *nn*.

**System action:** The NC-PASS database is updated.

**User response:** None.

#### **CKSE881-8 ENTER PRINTER TYPE**

**Explanation:** The user has omitted the printer type from the parameters on the print specification panel.

**System action:** None.

**User response:** Enter the printer type.

#### **CKSE0882-8 INVALID PRINTER TYPE - ENTER 'V' OR 'S'**

**Explanation:** The user has entered an invalid printer type on the print specification panel.

**System action:** None.

**User response:** Correct and reenter the printer type.

#### **CKSE0883-8 ENTER LINES PER PAGE**

**Explanation:** The user has omitted the lines per page parameter from the print specification panel.

**System action:** None.

**User response:** Enter the lines per page value.

#### **CKSE0884-8 LINES PER PAGE SHOULD BE NUMERIC FROM 20 TO 99**

**Explanation:** The user has entered an invalid lines per page value on the print specification panel.

**System action:** None.

**User response:** Correct and reenter the lines per page value.

#### **CKSE0885-8 ENTER NUMBER OF COPIES**

**Explanation:** The user has omitted the copies parameter from the print specification panel.

**System action:** None.

**User response:** Enter the number of copies required.

#### **CKSE0886-8 NUMBER OF COPIES SHOULD BE A NUMBER GREATER THAN 0**

**Explanation:** The user has entered an invalid 'copies' value on the print specification panel.

**System action:** The print cannot be produced.

**User response:** Correct and reenter the number of copies value.

#### **CKSE0887-8 ENTER CLASS FOR JES PRINTERS**

**Explanation:** The user has entered a Printer Type of 'S' denoting 'System'. The 'Class' field is therefore required.

**System action:** None.

**User response:** Enter the print class required.

#### **CKSE0888-8 ENTER PRINTER NAME FOR VTAM PRINTERS**

**Explanation:** The user has entered a Printer Type of 'V' denoting 'VTAM'. The 'Printer Name' field is therefore required.

**System action:** None.

**User response:** Enter a printer name.

#### **CKSE0889-8 INVALID PRINTER NAME**

**Explanation:** The user has entered an invalid printer name in the parameters for the print specification panel.

**System action:** None.

**User response:** Enter a valid printer name. The printer name must be present on the VTAM Printer Definition table.

#### **CKSE0890-8 INVALID OUTPUT CLASS**

**Explanation:** The user has entered an invalid output class in the parameters for the print specification panel.

**System action:** None.

**User response:** Enter a valid output class.

#### **CKSE0891-8 INVALID FORMS TYPE**

**Explanation:** The user has entered an invalid forms type in the parameters for the print specification panel.

**System action:** None.

**User response:** Enter a valid forms type.

#### **CKSE0896-4 MESSAGE ESCALATED**

**Explanation:** The severity and/or serial number of the preceding message has been amended by the Automatic Message Processing system.

**System action:** The message will be routed according to the new severity and/or the text will be amended.

**User response:** None.

#### **CKSE0898-8 TERMINAL *termid* LOCKED BY *userid***

**Explanation:** The terminal *termid* has been locked by user *userid*.

**System action:** A record is kept on the NC-PASS database of the lock. No user can log on using the terminal until the lock has been removed with the PROCESS LOCKED TERMINALS panel.

**User response:** None.

#### **CKSE0899-8 TERMINAL *termid* UNLOCKED BY *userid***

**Explanation:** The terminal *termid* has been unlocked by user *userid*, using the PROCESS LOCKED TERMINALS panel.

**System action:** The record of the lock is removed from the NC-PASS database.

**User response:** None.

#### **CKSE0908-9 MESSAGE RECEIVED AT *time* FROM *User ID* ON TERMINAL *name***

#### **CKSE1000-8 *n* TOKEN INDEX RECORDS SUCCESSFULLY CONVERTED**

**Explanation:** During conversion of NC-PASS to v1.4, *n* token index records were altered and saved successfully in the new format.

**System action:** None.

**User response:** None.

#### **CKSE1002-8 TOKEN TYPE IS DISABLED**

- Explanation:** A function has been requested for a token whose type is not enabled at system level via the 'Token Directory' menu option.
- System action:** None.
- User response:** Enable the token type required via the 'Token Directory' menu option.

#### **CKSE1003-8 MENU DOES NOT EXIST**

- Explanation:** An attempt has been made to copy a menu which does not exist.
- System action:** None.
- User response:** Ensure that the menu definition which is to be copied exists and that it has been entered correctly.

#### **CKSE1006-4 MHO TERMINATION IN PROGRESS**

- Explanation:** MHO is to be terminated.
- System action:** The MHO task is shut down. No further MHO transactions may be undertaken until MHO is enabled again.
- User response:** See accompanying messages for further information.

#### **CKSE1007-4 MHO TOTAL NUMBER OF LINKS = $n$**

- Explanation:** There were  $n$  nodes connected to the host node when MHO was terminated.
- System action:** None.
- User response:** None.

#### **CKSE1008-4 MHO TOTAL NUMBER OF SENDS = $n$**

- Explanation:** The host node performed  $n$  send transactions to remote nodes during the lifetime of MHO.
- System action:** None.
- User response:** None.

#### **CKSE1009-4 MHO TOTAL NUMBER OF RECVS = $n$**

- Explanation:** The host node received  $n$  transactions from remote nodes during the lifetime of MHO.
- System action:** None.
- User response:** None.

#### **CKSE1010-4 MHO TOTAL NUMBER OF 0800S = $n$**

- Explanation:** The host node detected  $n$  X'0800' errors during the lifetime of MHO.
- System action:** None.
- User response:** None.

#### **CKSE1031-8 ACCESS DENIED - TOKEN TYPE NOT SUPPORTED ON HOST SYSTEM**

- Explanation:** A user has attempted to authenticate himself via MHO using a token which is not supported by the host (local) NC-PASS. The version of the host NC-PASS does not recognize the token type being used.
- System action:** The logon is rejected.
- User response:** Either the user should be assigned to a token type which is supported on the host system, or the system should be upgraded to the same version level as the remote NC-PASS.

#### **CKSE1051-9 MENU OPTIONS SUCCESSFULLY COPIED**

- Explanation:** The requested menu definition has been copied successfully into the menu definition being edited.
- System action:** The screen is updated to show the copied list of menu options.
- User response:** None.

#### **CKSE1053-4 MENU SETUP ERROR *message-text***

- Explanation:** An error has been detected in a user-defined menu configuration. The message is followed by description of the nature of the error.
- System action:** The last panel or menu to be built is redisplayed.
- User response:** Ensure that all menu definitions in the menu configuration for that user exist on file. Ensure that any 'P' (panel) and 'G' (Generic panel) codes in each menu definition refer to a panel member name which does exist.

#### **CKSE1058-8 ENTER 'S' TO SELECT**

- Explanation:** A line command other than 'S' has been used to select a listed item during self-registration.
- System action:** The user is returned to the logo.
- User response:** Repeat the registration procedure using 'S' to select the required token type.

#### **CKSE1059-8 SELECT ONE TOKEN TYPE ONLY**

- Explanation:** An attempt has been made during self-registration to select two or more items from a list of token types. This is not permitted.
- System action:** The user is returned to the logo.
- User response:** Repeat the registration procedure, entering the 'S' line command against one token type only.

#### **CKSE1060-8 ENTER TOKEN SERIAL NUMBER**

- Explanation:** The token serial number to which the user is to be assigned has not been entered during self-registration.
- System action:** The panel is redisplayed.
- User response:** Enter the token serial number (this is normally on the back of the token).

#### **CKSE1061-8 TOKEN NOT RECOGNISED**

- Explanation:** No record has been found for the requested token.
- System action:** The panel is redisplayed.
- User response:** Ensure both the token type and serial number are entered correctly.

#### **CKSE1063-8 ENTER SELECTION OR PRESS <PFK03> TO END**

- Explanation:** An item from a list of token types has not been selected during self-registration.
- System action:** The user is returned to the logo.
- User response:** Repeat the self-registration procedure, ensuring that the token type required is selected from the list displayed.

#### **CKSE1064-7 SELF-REGISTRATION IN PROGRESS**

- Explanation:** A user is attempting to assign a token to himself through the self-registration panels at logon. The user is not currently assigned to a token and the system flag to allow self-registration is ON.
- System action:** A series of panels is displayed to allow the user to register himself.
- User response:** Follow the instructions on the subsequent panels.

#### **CKSE1065-7 SELF-REGISTRATION COMPLETED SUCCESSFULLY**

- Explanation:** A user has assigned a token to himself by the use of self-registration panels at logon.
- System action:** A cross-reference is made on the NC-PASS database linking the user with the token specified during self-registration. The user is logged on to the required application.
- User response:** None.

#### **CKSE1066-7 SELF-REGISTRATION ABANDONED BY USER**

- Explanation:** A user was invited to assign his userid to a token via self-registration at logon. The invitation was refused.
- System action:** The user is returned to the logo.
- User response:** None.

**CKSE1067-9 SIGN/ON SIGNATURE RETRY LIMIT UPDATED TO xx**

- Explanation:** The retry limit for signature attempts has been updated to xx.
- System action:** For subsequent Sign/On logons, a user may attempt to reproduce the correct signature xx times before being returned to the logo.
- User response:** None.

**CKSE1070-8 USERID SHOULD BE NO MORE THAN EIGHT CHARACTERS IN LENGTH**

- Explanation:** A userid has been specified whose length exceeds the maximum allowed. A userid may be 1 through 8 characters in length.
- System action:** None.
- User response:** Correct the userid and retry.

**CKSE1071-9 MENU *menuname* DELETED SUCCESSFULLY**

- Explanation:** The menu definition identified by the name *menuname* has been deleted successfully.
- System action:** All records relating to the menu definition are deleted from the NC-PASS database.
- User response:** None.

**CKSE1072-8 MENU IDENTIFIERS RESERVED BY SYSTEM**

- Explanation:** An attempt has been made to define a menu whose name begins with the letters 'SEMENU'. This is not permitted.
- System action:** None.
- User response:** Enter a different name for the new menu.

**CKSE1075-5 ACCESS DENIED - INVALID RESPONSE TO CRYPTOCARD CHALLENGE**

- Explanation:** A user has attempted to authenticate himself with a CRYPTOCard token. The response to the challenge was invalid.
- System action:** The logon is rejected and the logo redisplayed.
- User response:** None.

**CKSE1094-3 XSC *aaaa* TERMINATION DUE TO UNKNOWN ERROR**

- Explanation:** The XSC *aaaa* task was terminated for an unknown reason.
- System action:** None.
- User response:** Attempt to restart MHO. If the problem recurs and cannot be traced, contact your local PassGo Technologies support office.

**CKSE1095-3 XSC *aaaa* TERMINATION DUE TO NODE *acbname* BEING CLOSED**

- Explanation:** A TPEND has been scheduled and the ACB for the XSC subsystem *aaaa* has been closed.
- System action:** XSC *aaaa* is terminated.
- User response:** Vary ACB *acbname* active again if necessary.

**CKSE1096-3 XSC *aaaa* TASK $nnnn$  TERMINATION DUE TO INITIALIZATION ERROR**

- Explanation:** XSC *aaaa* has terminated owing to an internal error.
- System action:** XSC *aaaa* is terminated.
- User response:** Contact your local PassGo Technologies support office.

**CKSE1097-4 XSC *aaaa* TASK $nnnn$  TERMINATION COMPLETE**

- Explanation:** XSC *aaaa* has been terminated.
- System action:** None.
- User response:** See accompanying messages for further information.

#### **CKSE1129-8 PASSWORD RECORD NOT FOUND**

- Explanation:** An attempt has been made to reset a user's internal password. The user is not recorded as having an internal password.
- System action:** None.
- User response:** Ensure that the userid specified is correct. Ensure that the user profile for that user requires an internal password. Ensure that the user has logged on since the profile was updated to use an internal password.

#### **CKSE1250-8 USERID CONTAINS INVALID CHARACTERS**

- Explanation:** The userid specified does not contain valid characters. The following characters are allowed:  
A through Z, 0 through 9, national characters
- System action:** The request is rejected.
- User response:** Correct the userid and reenter.

#### **CKSE1300-9 PIN LENGTH SHOULD BE BETWEEN 4 AND 8**

- Explanation:** A minimum PIN length has been stipulated which is not within the permitted range. Enter a value from 4 through 8.
- System action:** None.
- User response:** Correct the field and reenter.

#### **CKSE1301-9 ACCESS DENIED - ENTER PASSCODE**

- Explanation:** A passcode user has pressed <Enter> at the NC-PASS logo. To access the system a passcode should be entered. The passcode was not specified.
- System action:** The logo is redisplayed.
- User response:** Enter the correct passcode.

#### **CKSE1302-5 ACCESS DENIED - INVALID PASSCODE**

- Explanation:** A user has attempted to access the system using an invalid passcode.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Enter the correct passcode.

#### **CKSE1303-5 ACCESS DENIED - PIN ALREADY SET**

- Explanation:** A user has attempted to set his passcode PIN during the logon process. A PIN already exists for this user.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Enter the existing passcode PIN, or contact the system administrator to ask for the existing passcode to be cancelled, so that a new one may be set.

#### **CKSE1304-5 ACCESS DENIED - USERID LOGON REQUIRED**

- Explanation:** A user has attempted to access the system using a passcode PIN where the user profile for that user requires a straightforward userid/password type logon.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Contact the system administrator to ask for the user profile to be altered to allow passcode type logons or for the terminal profile or TDT to be updated to allow a userid/password type logo to be displayed for the terminal in use.

#### **CKSE1305-5 ACCESS DENIED - PASSCODE LOGON REQUIRED**

- Explanation:** A user has attempted to access the system using a userid where the user profile for that user requires a passcode type logon.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Contact the system administrator to ask for the user profile to be altered to allow userid/password type logons or for the terminal profile or TDT to be updated to allow a passcode type logo to be displayed for the terminal in use.

#### **CKSE1306-5 ACCESS DENIED - USERID IS NOT ASSIGNED TO THIS TOKEN**

- Explanation:** A user has attempted to create a passcode PIN for himself during logon, but the user is not assigned to the token which was specified.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Contact the system administrator to ensure that the user is assigned to the correct token.

#### **CKSE1307-4 LOGON DEFAULTS UPDATED**

- Explanation:** Amendments have been made in the logon defaults panel and the changes have been saved successfully.
- System action:** The information is saved to the NC-PASS database.
- User response:** None.

#### **CKSE1308-8 AUTHORIZATION CODE DOES NOT ALLOW USE OF TRIAL MODE**

- Explanation:** The trial mode facility may not be used because the NCI code for this system does not permit it.
- System action:** The request is rejected.
- User response:** Contact your local PassGo Technologies support office if the system is required to run in trial mode.

#### **CKSE1310-9 NO PASSCODE RECORDS FOUND**

- Explanation:** An attempt was made to list userids who have passcodes. No users on the system have a passcode.
- System action:** None.
- User response:** None.

#### **CKSE1311-9 INVALID MEMBER NAME**

- Explanation:** An invalid member name was specified.
- System action:** None.
- User response:** Specify a valid member name.

#### **CKSE1312-9 DATASET NOT PARTITIONED**

- Explanation:** The dataset specified is not partitioned. That is, it was not allocated as a dataset which is divided into separate members. A member, however, was specified after the dataset name in brackets.
- System action:** None.
- User response:** Either redefine the dataset as partitioned or remove the member name part of the field.

#### **CKSE1313-9 INVALID VOLUME SERIAL**

#### **CKSE1384-8 ENTER Y OR N**

- Explanation:** An invalid value has been entered. Valid values for the field are 'Y' (Yes) and 'N' (No).
- System action:** None.
- User response:** Enter 'Y' or 'N' at the cursor position or abandon the request.

#### **CKSE1385-9 REQUIRED FIELD**

- Explanation:** The field indicated by the cursor position must be filled in for processing to continue.

#### **CKSE1388-8 FIELD MUST BE NUMERIC**

- Explanation:** The field indicated by the cursor position can only contain numeric data.

#### **CKSE1392-9 BOTTOM OF DATA REACHED**

- Explanation:** Issued when a FIND command searches a dataset unsuccessfully to the end.
- System action:** The panel is redisplayed.
- User response:** None.

#### **CKSE1403-9 COMMAND CONFLICT**

**Explanation:** You have entered a combination of commands which conflict with each other.

**System action:** None.

**User response:** Correct and retry.

#### **CKSE1407-9 MOVE PENDING**

**Explanation:** The user has entered an M line command against an item to be moved.

**System action:** None.

**User response:** Enter an A or B line command, as appropriate, at the position to which the item is to be moved.

#### **CKSE1418-8 RECORDS NOT FOUND**

**Explanation:** The administrator has selected an activity that would require reading records from the CAF. None of the particular type of records have been found.

**System action:** No processing is performed.

**User response:** None.

#### **CKSE1429-8 NOT FOUND**

**Explanation:** You are trying to update or delete a startup parameter which does not exist.

**System action:** None.

**User response:** Specify a valid parameter.

#### **CKSE1450-8 PLEASE SPECIFY THE USERID**

**Explanation:** You have omitted to enter the userid.

**System action:** Waits for required entry.

**User response:** Enter required information.

#### **CKSE1460-9 ACTION CANCELLED AT YOUR REQUEST**

**Explanation:** You cancelled the requested action.

**System action:** The request is cancelled.

**User response:** None.

#### **CKSE1502-9 REQUESTED *user* NOT LOGGED ON**

#### **CKSE1503-8 ANOTHER USER IS UPDATING THE AUTOMATIC MESSAGE PROCESSING DATA**

**Explanation:** Another user is amending information for automatic message processing.

**System action:** None.

**User response:** Wait until the other user has finished updating the information and retry.

#### **CKSE1504-5 INVALID SPECIFICATION OF CONNECT 'DURESS' OPTION**

**Explanation:** A WATCHWORD user has logged on using his first PIN which corresponds to a line on the user profile's connect data which specifies the keyword 'DURESS'. The DURESS option may only, however, be used for PIN 2. The user profile for this user has been set up incorrectly.

**System action:** The logon fails and the logo is redisplayed.

**User response:** Contact the system administrator to ask for the DURESS keyword to be specified for lines 2 and 4 of the user profile connect data for this user.

#### **CKSE1506-4 DATA CONVERSION FROM V1.2 TO V1.3 IN PROGRESS**

**Explanation:** NC-PASS version 1.3 has detected that its database is formatted for a version 1.2 system. Conversion of the database is proceeding.

**System action:** NC-PASS database conversion is initiated.

**User response:** None.

#### **CKSE1507-3 DATA CONVERSION FROM V1.2 TO V1.3 FAILED**

- Explanation:** NC-PASS version 1.3 detected that its database is formatted for a version 1.2 system. During file conversion a critical error occurred.
- System action:** Conversion is aborted and NC-PASS terminates.
- User response:** Contact the local PassGo Technologies support office.

#### **CKSE1508-4 DATA CONVERSION FROM V1.2 TO V1.3 COMPLETED**

- Explanation:** NC-PASS version 1.3 detected that its database is formatted for a version 1.2 system. The database was converted for a 1.3 system and was successful.
- System action:** None.
- User response:** None.

#### **CKSE1511-4 DATA CONVERSION FROM V1.1 TO V1.3 IN PROGRESS**

- Explanation:** NC-PASS version 1.3 has detected that its database is formatted for a version 1.1 system. Conversion of the database is proceeding.
- System action:** NC-PASS database conversion is initiated.
- User response:** None.

#### **CKSE1514-4 MHO NODE CHECK FAILED TO ESTABLISH LINK WITH *nodename***

- Explanation:** NC-PASS attempted to establish an MHO link with remote node *nodename*. The attempt failed.
- System action:** None.
- User response:** Ensure that the remote NC-PASS is active, that it has MHO enabled and active, and that its link with the host NC-PASS has been defined correctly on both host and remote systems. See accompanying messages for further information.

#### **CKSE1516-2 OPEN TRANSACTION LOG FILE FAILED**

- Explanation:** Issued at system startup or when performing a backup. The Transaction log file ESDS cannot be opened. The NC-PASS job continues to be active, but the recovery facility is lost.
- System action:** Despite the recovery option being specified as a startup parameter, recovery records will not be written.
- User response:** Confirm that the recovery option is required in the startup parameters and if it is, confirm that the file has been correctly defined and is available.

#### **CKSE1517-3 TRANSACTION LOGGING STOPPED - FILES FULL - RUN BACKUP**

- Explanation:** The recovery system is active, having been specified as a startup option. Records of update activities to the NC-PASS database were being recorded on the VSAM ESDS transaction log. There are two log files. The second is for 'overflow' records only. As soon as it is in use, arrangements should be made to perform a backup, which would clear both transaction log files if successful. This has not been done, both files are full, no more records will be kept of updates to the NC-PASS database and the recovery facility will be lost.
- System action:** Logging of transaction records ceases.
- User response:** Perform a backup as soon as possible.

#### **CKSE1518-4 DATA CONVERSION FROM V1.3 TO V1.4 IN PROGRESS**

- Explanation:** NC-PASS version 1.4 has detected that its database is formatted for a version 1.3 system. Conversion of the database is proceeding.
- System action:** NC-PASS database conversion is initiated.
- User response:** None.

#### **CKSE1519-3 DATA CONVERSION FROM V1.3 TO V1.4 FAILED**

- Explanation:** NC-PASS version 1.4 detected that its database is formatted for a version 1.3 system. During file conversion a critical error occurred.
- System action:** Conversion is aborted and NC-PASS terminates.
- User response:** Contact the local PassGo Technologies support office.

#### **CKSE1520-4 DATA CONVERSION FROM V1.3 TO V1.4 COMPLETED**

- Explanation:** NC-PASS version 1.4 detected that its database is formatted for a version 1.3 system. The database was converted for a 1.4 system and was successful.
- System action:** None.
- User response:** None.

#### **CKSE1529-8 INVALID TERMINAL - LOCKING OWN TERMINAL NOT PERMITTED**

- Explanation:** An administrator has attempted to lock the terminal that he is currently using. This is not permitted.
- System action:** None.
- User response:** Correct the terminal id and reenter.

#### **CKSE1532-4 TOKEN ASSIGNED (*type/serial-no/userid*)**

- Explanation:** Token type *type*, serial number *serial-no* has been assigned to user *userid* successfully.
- System action:** A cross-reference is added to the NC-PASS database linking user *userid* with token *type/serial-no*.
- User response:** None.

#### **CKSE1534-8 AUTHORITY LEVEL MUST BE FROM 1 TO 255**

- Explanation:** An authority level has been specified which is not in the permitted range.
- System action:** None.
- User response:** Enter an authority level in the range 1 through 255, or cancel the function.

#### **CKSE1535-8 MHO ROUTE SELECTED PLEASE ENTER NODENAME**

- Explanation:** A selection has been made in the automatic message processing panel to direct messages of a certain severity to a remote NC-PASS system over MHO. The remote system's MHO nodename has not been specified.
- System action:** None.
- User response:** Enter the remote MHO VTAM nodename at the cursor position.

#### **CKSE1536-9 MEMBER NOT SPECIFIED**

- Explanation:** The dataset specified is partitioned. That is, it was allocated as a dataset which is divided into separate members. A member, however, was not specified after the dataset name in brackets.
- System action:** None.
- User response:** Either redefine the dataset as non-partitioned or add the membername part of the field.

#### **CKSE1537-9 INVALID DATASET ORGANIZATION**

- Explanation:** A organization of the dataset specified is not permitted for the function required.
- System action:** None.
- User response:** Reallocate the dataset with the correct organization or correct the dataset name.

#### **CKSE1538-9 UNABLE TO OPEN DATASET**

- Explanation:** The dataset specified is unavailable.
- System action:** None.
- User response:** Ensure that the dataset name has been entered correctly and that it is not in exclusive use by another resource.

#### **CKSE1539-9 NCI ENVIRONMENT EDITOR ABENDED**

- Explanation:** A critical error has occurred in the NCI environment editor subsystem.
- System action:** Unpredictable.
- User response:** Contact your local PassGo Technologies support office.

#### **CKSE1541-9 TYPE 'YES' OR 'NO'**

- Explanation:** An invalid response has been entered.
- System action:** None.
- User response:** Enter 'YES' or 'NO' at the cursor position.

#### **CKSE1542-6 COMPUTER MISUSE WARNING PANEL READ AND ACCEPTED BY USER**

- Explanation:** A panel has been displayed to the user which outlines the consequences of illegally accessing a computer network.
- System action:** None.
- User response:** The user should enter 'YES' or 'NO' in the field provided in order to confirm that the warning has been considered and to continue the logon.

#### **CKSE1543-6 LOGON ABANDONED BY USER AT COMPUTER MISUSE WARNING PANEL**

- Explanation:** A panel has been displayed to the user which outlines the consequences of illegally accessing a computer network. The logon was abandoned by the user at this point.
- System action:** The logo is redisplayed.
- User response:** None.

#### **CKSE1544-8 MAXIMUM MENU OPTION LIMIT EXCEEDED - UP TO 99 OPTIONS ALLOWED**

- Explanation:** An administrator has attempted to define a menu with more than 99 lines. This is not permitted.
- System action:** None.
- User response:** Divide the large menu into smaller submenus, delete unwanted menu options from the definition, or cancel the request.

#### **CKSE1546-2 UNABLE TO ROUTE MESSAGES VIA MHO**

- Explanation:** The user has opted to route messages via MHO (Multi-Host Option) on the MESSAGE ROUTING panel. A message has been issued but the attempt to send it using MHO to another NC-PASS system has failed.
- System action:** Processing continues but the message is not sent to the remote NC-PASS system.
- User response:** Confirm that MHO is active using the Multi-Host Option panel. Consult the administrator of the target NC-PASS system.

#### **CKSE1547-8 FOR *option* OPTION SPECIFY *option-requirements***

- Explanation:** Incorrect parameters have been entered on a menu.
- System action:** None.
- User response:** Enter the correct parameters as defined in *option-requirements*.

#### **CKSE1554-9 SPECIFY M=MENU, P=PANEL, G=GENERIC PANEL, E=EXEC, N=NODENAME**

- Explanation:** An invalid code was entered for a menu option.
- System action:** None.
- User response:** Enter the correct code.

#### **CKSE1558-5 ACCESS DENIED - USERID REQUIRES A PASSWORD**

- Explanation:** The user has attempted to log on with a userid that requires a password, but has not entered one.
- System action:** The logon is rejected and the userid is blanked for security reasons.
- User response:** Reenter the userid, enter the password, and press <Enter>.

#### **CKSE1562-9 ACCESS DENIED - INVALID PANEL NAME *pname* SELECTED**

- Explanation:** You have attempted to select panel *pname*, this is invalid.
- System action:** None.
- User response:** Correct panel name and reenter.

#### **CKSE1613-5 YOUR ACCESS HAS BEEN REVOKED BY CA-TOP SECRET**

**Explanation:** Your security system, CA-Top Secret, has revoked your access authority.

**System action:** Access is denied.

**User response:** Contact your system administrator.

#### **CKSE1650-8 LINK TYPE MUST BE COMMAND, PASS, SHARED OR LEFT BLANK**

#### **CKSE1651-3 WARNING - IPL DATE/TIME IS LESS THAN LAST IPL**

**Explanation:** CDM synchronization routines have reported that the last time it was used was a later Date/Time than the current IPL Date/Time.

**System action:** Synchronization completes.

**User response:** None needed (but check current IPL date).

#### **CKSE1655-4 TDT LANGUAGE x NOT AVAILABLE - DEFAULTED TO E**

**Explanation:** If the language entry is not E the system will look for a panel called xNAMOD2 on the panel library (where x is the character you have entered). This panel must be present if the language is available. The message indicates that it was not found.

**System action:** Defaults the language to E (English).

**User response:** Correct the TDT entry for the terminal.

#### **CKSE1747-3 APPC REJECT ISSUED FOR *remotemode***

**Explanation:** A REJECT verb has been issued for REMOTE NODE which was communicating with the APPC protocol. This might be caused by invalid data being sent, because of lack of authorisation or user exit.

**System action:** The link is broken.

**User response:** The cause should be determined by inspecting the NCI log for earlier messages.

#### **CKSE2023-9 USERID NOT FOUND - PLEASE RESPECIFY**

**Explanation:** The userid you have entered has not been found.

**System action:** None.

**User response:** Enter a valid userid.

#### **CKSE2064-9 LOGON SUCCESSFUL**

**Explanation:** Your logon attempt has completed successfully.

**System action:** None.

**User response:** None.

#### **CKSE2162-9 NO CHANGES MADE - NOTHING SAVED**

**Explanation:** The user has pressed the <F3> key but no changes have been made to the original data.

**System action:** None.

**User response:** None.

#### **CKSE2225-8 INVALID - SHOULD BE NUMERIC 0 TO *n***

**Explanation:** The entry you have made should be numeric in the range 0 through *n*.

**System action:** None.

**User response:** Correct and retry.

#### **CKSE2235-9 YOUR REQUEST ACTIONED - SEE LOG FOR OUTPUT**

**Explanation:** Your request has been actioned.

**System action:** The request is actioned.

**User response:** See the log for further information if required.

#### CKSE2416-8 ENTER Y (YES) OR N (NO)

- Explanation:** You must enter Y or N. Y will start the XSC component, N will stop it.
- System action:** Waits for your response.
- User response:** Enter the correct reply.

#### CKSE2419-3 INVALID STARTUP PARAMETER - IGNORED

- Explanation:** The startup parameter (which follows in the log) was not recognized by the system and has been ignored. This can be due to incorrect spelling or format or the libraries for the product being unavailable.
- System action:** Ignores the parameter and continue processing.
- User response:** Correct or remove the parameter for the next startup.

#### CKSE2423-3 UNABLE TO LOCATE NCI/XF type exec name

- Explanation:** A startup parameter has specified *name* to be used as a type, exec or panel but it has not been found in the library.
- System action:** The action is bypassed.
- User response:** Check the names used and correct if necessary.

#### CKSE2425-9 PRESS ENTER TO CONTINUE OR F6 TO REGISTER A NEW TOKEN

- Explanation:** Your existing token is about to expire and you are offered the option to register a new token.
- System action:** Waits for response.
- User response:** Either press <Enter> to continue with your old token or <F6> to register a new one, if this has been supplied by your administrator.

#### CKSE2511-2 RUN TERMINATED BY EXIT TEXT $nn$ IN DET $n$

- Explanation:** You have coded a non zero return code in section DET $n$  of your exit. This may be deliberate.
- System action:** The next batch parameter is processed if present or the system will shut down
- User response:** Depends on the reason in the exit.

#### CKSE2520-2 ENTER SERIAL NO OF REPLACEMENT TOKEN (NOT CURRENT)

- Explanation:** You have entered the serial number of your current token, not the replacement.
- System action:** Waits for your entry
- User response:** Correct your entry.

#### CKSE3007-8 WATCHWORD TOKEN IS NOT INITIALIZED

- Explanation:** Issued by the Watchword Extract DES Key Management panel. The Watchword token has not been initialized.
- System action:** Processing halts until the verifying user possesses an initialized Watchword token.
- User response:** Consult the help text and the NC-PASS system administrator.

#### CKSE3008-4 WATCHWORD DES EXTRACT KEY UPDATED $num$

#### CKSE3009-8 INSUFFICIENT AUTHORITY

- Explanation:** Every user has a profile. On the profile is an authority group. The user has attempted to access the profile of a user in an authority group that they are not permitted to access. Also on the profile is an authority level. The user has attempted a similarly forbidden access.
- System action:** The user will not be permitted to access the user profile.
- User response:** Consult your administrator and the help text.

**CKSE3010-2 AUTHORITY VIOLATION**

**CKSE3012-2 WATCHWORD KEY EXTRACT FAILED - ERROR READING ADMINDB FILE**

**CKSE3013-2 WATCHWORD KEY EXTRACT FAILED - WATCHWORD IS NOT ENABLED**

**CKSE3014-2 WATCHWORD KEY EXTRACT FAILED - EXTRACT IS NOT AUTHORIZED**

**CKSE3015-2 WATCHWORD KEY EXTRACT FAILED - DES ENCRYPTION KEY NOT FOUND**

**CKSE3016-2 WATCHWORD KEY EXTRACT FAILED - ERROR OPENING WWEXT FILE**

**CKSE3017-2 WATCHWORD KEY EXTRACT FAILED - ERROR UPDATING WWEXT FILE**

**CKSE3018-2 WATCHWORD KEY EXTRACT FAILED - ERROR UPDATING ADMINDB FILE**

**CKSE3019-4 WATCHWORD KEY EXTRACT IN PROGRESS**

**CKSE3020-4 WATCHWORD KEY EXTRACT COMPLETED**

**CKSE3021-6 CSL PIN SETUP PROCEDURE ABANDONED BY USER**

**Explanation:** The user has abandoned the PIN setup procedure.

**System action:** None.

**User response:** None.

**CKSE3023-8 ENTER EITHER AN ESDS DATASET NAME OR AN SMF RECORD TYPE**

**Explanation:** One of two required fields has not been entered.

**System action:** None.

**User response:** Make an entry in one of the required fields.

**CKSE3024-8 SMF RECORD TYPE SPECIFIED FOR ARCHIVE FILE, CORRECT AND REENTER**

**Explanation:** An SMF record type has been entered for a non-SMF file.

**System action:** None.

**User response:** Correct the entry.

**CKSE3025-8 ATTEMPT TO READ SMF FILE WITHOUT SPECIFYING RECORD TYPE**

**Explanation:** No SMF record type has been entered.

**System action:** None.

**User response:** Correct and reenter.

**CKSE3026-2 VTAM PRINT REQUEST SYNTAX ERROR**

**CKSE3027-2 VTAM PRINT REQUEST ABENDED**

**CKSE3028-2 PCT MODULE NOT FOUND**

**Explanation:** For a given VTAM network printer, a Printer Control Table (an assembled load module) must be defined. The required module has not been found.

**System action:** None.

**User response:** Define the PCT. Refer to the appendix entitled The Printer Control Table.

**CKSE3029-2 VTAM PRINT ERROR**

**Explanation:** Internal error - further information provided on preceding lines.

**System action:** None.

**User response:** Contact your VTAM administrator or your local PassGo Technologies support office.

#### CKSE3030-8 THE SSCT NAME MUST BE 4 CHARACTERS

**Explanation:** The user has entered an SSCT name with less than four characters.

**System action:** None.

**User response:** Correct and reenter.

#### CKSE3031-8 TLI/XMS REQUIRES THAT AN SSCT BE SPECIFIED

**Explanation:** A four character SSCT name must be provided if cross memory services are to be enabled.

**System action:** None.

**User response:** Enter a valid SSCT name.

#### CKSE3032-2 TLI/XMS FAILED TO STARTUP (SSCT=*ssct-name* XMSTART RC=*nn*)

**Explanation:** TLI/XMS failed to start.

**System action:** Messages relating to the startup failure are stored in the NCILOG.

**User response:** Examine the NCILOG before attempting to restart TLI/XMS. The return code provided by XMSTART RC=*nn* can be one of the following:

- 4 serious error occurred during attempt to start the cross memory system, eg no free NC-XMS storage queue elements.
- 8 parm1 routine could not be found.
- 12 startup disallowed by non zero return code from startup options EXEC.
- 16 start failed (for instance, XMS name is already active).
- 20 NCI/XF not running authorized.
- 24 the cross memory system name could not be started, because XMSTART found an error within MVS control blocks (SSCT for instance) relating to this particular name. This error might have arisen, for instance, because of the abnormal termination of an earlier NC-XMS system which served this cross memory system name. If return code 24 occurs, XMCLEAN should be executed in order to tidy up the corrupted control blocks, and XMSTART reissued.

#### CKSE3033-4 XSC XMS start successful (SSCT=*xxxx* RC=0)

**Explanation:** Cross memory services has been started and is ready to receive requests.

**System action:** None.

**User response:** None.

#### CKSE3034-4 XSC XMS RESTARTING WITH NEW SSCT (SSCT=*xxxx*)

**Explanation:** Cross memory services (XMS) has been restarted as requested with a change of identifier.

**System action:** None.

**User response:** None.

#### CKSE3038-6 USER PROFILE DOES NOT REQUIRE THIS USER TO SPECIFY A PASSWORD

**Explanation:** The parameter P1=1 has been specified for a TLI request to the system. This function provides authentication using only the data passed with it, authentication failed because a password was provided for a user who did not require one.

**System action:** None.

**User response:** Application dependent.

#### CKSE3039-5 AUTHENTICATION TIME CHECK FAILED

**Explanation:** Using the transaction level interface it is possible to check to see if a user has been authenticated in the last '*nn*' number of minutes, this message is issued if the user fails the check.

**System action:** None.

**User response:** Application dependent.

#### CKSE3040-8 INVALID PARAMETER

- Explanation:** The user has provided invalid parameters for a function provided through the transaction level interface.
- System action:** The function request is rejected.
- User response:** Amend parameters and resubmit.

#### CKSE3042-8 TLI - MHO CHECK FAILED

- Explanation:** A transaction level interface request to establish the result of a previous TLI function that involved MHO processing failed. The result of the MHO process has not yet been received.
- System action:** None.
- User response:** Wait and then retry.

#### CKSE3043-4 ASSIGNMENT OF USER *User ID* REINSTATED

#### CKSE3044-8 ANOTHER USER IS IN THE PROCESS OF ASSIGNING THIS USER

#### CKSE3045-4 TOKEN UNASSIGNED

#### CKSE3046-8 FREE FAILED - 'ASSIGN' RECORD NOT FOUND

#### CKSE3047-7 PROCESSING TLI REQUEST *details*

- Explanation:** General message issued each time the system receives a function request via the TLI. The suffix details vary according to the type of TLI submission. If the TLI request has been made via XMS then the format of the suffix will be:

(JOBNAME=aaaaaaa FUNC=bbbbbbb)

where JOBNAME may be a TSO userid and FUNCTION is a TLI function, for example 'LOGON'.

If the TLI request was received via APPC then the format of the suffix will be:

(FUNC=aa)

where the function will be a two digit number representing an APPC TLI function, for example, 01 which represents 'Request access rights for userid'.

If the TLI request has been made via TCP/IP then the format of the suffix will be:

(INT=aaa.aaa.aaa.aaa,POR=bbbb, ID=ccccccc.dddddd)

where INT= is the Internet address, and POR= is the Port number, and ID= is the Application concatenated with the Client Id.

- System action:** Request is processed.
- User response:** None.

### CKSE3048-7 TLI processing completed details

**Explanation:** General message issued each time the system completes processing for a function requested via the TLI. If the TLI request was submitted via XMS then the format of the suffix will be:

(RC=*nn*)

where return code may be:

- 0 - Function completed successfully
- 4 - More information required
- 8 - Function did not complete successfully
- 20 - Parameter error

If the TLI request was submitted via APPC then the format of the suffix will be:

(FUNC=*aa* RC=*bb*) or (FUNC=*cc* RC=*dd/ee*)

where the function *aa* is the TLI APPC function, for example, 01 is 'Request access rights for userid'. Return code values for '*bb*' are:

- 0 - No validation/authentication needed
- 2 - Invalid terminal
- 3 - Invalid login time (could be valid at another date/time)
- 4 - Userid not defined to pass
- 10 - Token required
- 19 - Token required + warning message
- 20 - Token and Password required
- 29 - Token and Password required + warning message
- 30 - Token plus registration required
- 40 - Token plus registration and Password required
- 50 - Password only required

Return code values for '*dd*' are:

(from password and time checks)

- 00 - Valid
- 03 - Invalid login time/date
- 04 - Userid not found
- 10 - Password invalid
- 20 - Password valid but expired
- 50 - Other error from password routine

Return code values for '*ee*' are:

(from token authentication)

- 00 - Authentication passed
- 10 - Authentication failed
- 20 - Registration of token failed
- 30 - Replacement registration failed
- 50 - not checked

If the TLI request was submitted via TCP/IP then the format of the suffix will be:

(INT=*aaa.aaa.aaa.aaa*,POR=*bbbb*,ID=*cccccccc.dddddddd*)

where INT= is the Internet address, and POR= is the Port number, and ID= is the Application concatenated with the Client Id.

**System action:** None.

**User response:** None.

### CKSE3049-8 UNABLE TO PROCESS XMS REQUEST

**Explanation:** The function requested using the 'P1' parameter of the SEXM module is invalid

**System action:** Reject request.

**User response:** Check SEXM coding and retry.

**CKSE3050-8 TLI REQUEST ROUTED TO MHO NODE *name***

**CKSE3055-2 TLI/XMS STARTUP FAILED - JOB NOT AUTHORIZED (SSCT=aaaa XMSTART RC=bb)**

**Explanation:** One or more of the load libraries specified in the STEPLIB in the JCL is not authorized  
**System action:** TLI/XMS will not be started.  
**User response:** Correct the JCL/authorization and restart job.

**CKSE3060-8 BASIC TERMINAL LOCK INTERVAL SHOULD RANGE FROM 0 TO 255 MINUTES**

**CKSE3069-9 GROUP *name* SUCCESSFULLY DELETED**

**Explanation:** The specified user has entered the D line command against the group groupname.  
**System action:** None.  
**User response:** None.

**CKSE3072-9 GROUP *name* SUCCESSFULLY ADDED**

**Explanation:** The specified user has added the group groupname to the list of groups.  
**System action:** None.  
**User response:** None.

**CKSE3081-9 XSC MHO LOGON REJECTED FROM UNLISTED NODE (*acbname*)**

**Explanation:** A remote has attempted to establish a link with this system but it is not listed as a potential link on our MHO Links panel.  
**System action:** The link is rejected.  
**User response:** None - If link was required check if entry for the node ACBNAME is present on the MHO Links panel and that it is enabled.

**CKSE3082-9 MHO LINK TERMINATED WITH *aaaaaaaa***

**Explanation:** The MHO link connecting two systems has been terminated  
**System action:** Transmissions between the two systems halts. If the systems are NC-SYNCOM outstanding transmissions are stored as incomplete. They will be transmitted when the link is reestablished.  
**User response:** If the termination of the link is not deliberate, examine the log and the LINKS panel.

**CKSE3090-8 INVALID ATTEMPT TO LOCK TERMINAL - TERMINAL *terminal id* MAY NOT BE LOCKED**

**CKSE3091-8 INVALID ATTEMPT TO LOCK USER *User ID***

**CKSE3099-8 USER BASIC LOCK INTERVAL SHOULD BE NUMERIC**

**CKSE3155-9 TOP OF LIST**

**Explanation:** The user has pressed <F7> (page up) at the first page in a set of panels.  
**System action:** None.  
**User response:** The user must press another function key appropriate to that panel.

**CKSE5156-9 VTAM HALT QUICK OR V INACT I OR F ISSUED**

**Explanation:** The NC-PASS ACB has become inactive.  
**Note:** This message should be altered, if required, by modifying, assembling and linking the distributed source NCMSTGTAB.  
**System action:** NC-PASS terminates.  
**User response:** None.

**CKSE3223-8 FIRST CHARACTER MUST BE A LETTER OR NATIONAL CHARACTER**

**Explanation:** The user has typed a number or non-national character in the first position.  
**System action:** None.  
**User response:** Correct and reenter.

#### **CKSE3224-8 USE LETTERS, NATIONAL CHARACTERS OR NUMBERS**

**Explanation:** Validation of the input field has failed as the user has typed a non-national character.

**System action:** None.

**User response:** Correct and reenter.

#### **CKSE3236-3 PDS MEMBER *aaa...a* NOT FOUND**

**Explanation:** A PDS member should be read. It has not been found. This message states the content of the PDS member, for example 'of MHONODE data'.

**System action:** Processing related to this PDS will not continue. If this occurred as a result of an error during attempting to load data from a PDS at system startup it is important to note that the startup will continue.

**User response:** Confirm that an appropriately named PDS member has been prepared in the correct library.

#### **CKSE3243-9 RULE *name* NOT FOUND, PLEASE CORRECT AND RE-ENTER**

**Explanation:** The user has entered a rule name which has not been defined to the system.

**System action:** None.

**User response:** Correct and reenter. Use the RULE LIST or RULE SELECTION LIST panels as appropriate.

#### **CKSE3244-9 MULTIPLE LINE COMMANDS NOT PERMITTED**

**Explanation:** The user has entered more than one line command where this is not appropriate.

**System action:** None.

**User response:** Enter one line command at a time.

#### **CKSE3245-9 OUTLINE OF RULE *name* IS ALREADY DISPLAYED**

**Explanation:** The user has entered a V (View) line command against the rule which is currently being displayed.

**System action:** None.

**User response:** Delete the V line command for this rule.

#### **CKSE3246-9 OUTLINE OF ARRAY *name* IS ALREADY DISPLAYED**

**Explanation:** The user has entered a V (View) line command against an array which is currently being displayed.

**System action:** None.

**User response:** Delete the V line command for this array.

#### **CKSE3247-9 HIGHEST LEVEL IS ALREADY DISPLAYED**

**Explanation:** The user has pressed F6 (view a higher level) on the VIEW CONTROL TABLE panel when the highest level is already being displayed.

**System action:** None.

**User response:** None.

#### **CKSE3251-9 SME GROUP *groupname* SELECTED**

**Explanation:** This is an informative message indicating that the user has selected the name of a group to be added as a data value to a column in an array.

**System action:** The group name and type are added to the Data and Type field on the SME ARRAY EDIT panel.

**User response:** None.

#### **CKSE3252-9 SME GROUP *groupname* IS ALREADY SELECTED**

**Explanation:** The group has already been selected and cannot be selected again.

**System action:** None.

**User response:** None.

**CKSE3256-9 GROUP *groupname* DOES NOT EXIST**

- Explanation:** The user has added the specified group to the data list being edited on the SME ARRAY EDIT panel. This is an informative message, warning that the group has not been defined to the system.
- System action:** None.
- User response:** Use option 2 on the VSSE OPTIONS panel to add the new group. This must be done before the control table comprising this array is loaded.

**CKSE3257-9 FIELD *name* DOES NOT EXIST**

- Explanation:** The user has tried to add a field name which does not exist.
- System action:** None.
- User response:** Correct and reenter. Use F12 to provide the FIELD LIST panel or refer to the appendix entitled Field names and flags for further details.

**CKSE3258-9 ARRAY *name* DOES NOT EXIST, PRESS <ENTER> TO ADD IT****CKSE3259-9 SYMBOLIC *value* DOES NOT EXIST**

- Explanation:** The user has tried to enter a symbolic value that does not exist.
- System action:** None.
- User response:** Correct and reenter. Refer to the Appendix entitled Field names and flags for a list of all symbolic values.

**CKSE3260-9 *rulename* IS A KEYWORD ACTION, CHOOSE ANOTHER RULE NAME**

- Explanation:** The user has tried to add a new rule. The rule name specified is a reserved word applying to a keyword action. Keyword actions are ACQUIRE, ALLOW, CHECK, DENY, EXIT, NEXT, and WARN.
- System action:** None.
- User response:** Choose another name, correct and reenter.

**CKSE3262-3 RULE *rulename* DOES NOT EXIST - CONTROL TABLE BUILD FAILED**

- Explanation:** The user has entered an incorrect rule name for control table testing.
- System action:** None.
- User response:** Correct and reenter. F9 provides a list of all rules defined to the system.

**CKSE3263-4 RULE *name* DOES NOT EXIST - CONTROL TABLE BUILD INCOMPLETE**

- Explanation:** The user has tried to load or test a control table where one of the lower level rules has not been defined to the system.
- System action:** The load will fail. If the user is testing a control table the test will fail. If the user is testing a single rule, the test will continue.
- User response:** Define the missing rule to the system and reload or retest. If testing a single rule, press F3 to continue.

**CKSE3264-4 GROUP *name* DOES NOT EXIST - CONTROL TABLE BUILD INCOMPLETE**

- Explanation:** The user has tried to load a control table where one of the groups has not been defined to the system.
- System action:** The load will fail.
- User response:** Define the missing group to the system and reload.

#### **CKSE3265-9 CONTROL TABLE MAY NOT BE EDITED**

- Explanation:** The user has tried to enter the C line command against either the \*ACTIVE\* or \*BACKUP\* entries on the RULE LIST panel. Neither of these two entries can be edited.
- System action:** None.
- User response:** The top level rule of the control table selected is displayed in the BY column on this panel. Enter the C line command against the rule name specified in this column.

#### **CKSE3266-9 FIELD NAME ADDED TO *groupname* LIST (USERID=*userid*)**

- Explanation:** This is an informative message indicating that the user has added a field name to group group name.
- System action:** None.
- User response:** None.

#### **CKSE3268-9 SYMBOLIC VALUE ADDED TO *groupname* LIST (USERID=*userid*)**

- Explanation:** This is an informative message issued during the addition of data values to a group.
- System action:** None.
- User response:** None.

#### **CKSE3269-9 LITERAL ADDED TO *groupname* LIST (USERID=*userid*)**

- Explanation:** This is an informative message issued during the addition of data values to a group.
- System action:** None.
- User response:** None.

#### **CKSE3272-9 FIELD NAME DELETED FROM *groupname* LIST (USERID=*userid*)**

- Explanation:** This is an informative message issued during the deletion of data values from a group.
- System action:** None.
- User response:** None.

#### **CKSE3273-9 SYMBOLIC VALUE DELETED FROM *groupname* LIST (USERID=*userid*)**

- Explanation:** This is an informative message issued during the deletion of data values from a group.
- System action:** None.
- User response:** None.

#### **CKSE3274-9 LITERAL DELETED FROM *groupname* LIST (USERID=*userid*)**

- Explanation:** This is an informative message issued during the deletion of data values from a group.
- System action:** None.
- User response:** None.

#### **CKSE3275-8 RULE *name* ADDED**

- Explanation:** This is an informative message issued when a new rule has been defined to the system.
- System action:** None.
- User response:** None.

**CKSE3276-8 RULE *name* CHANGED**

**Explanation:** This is an informative message issued when a rule has been updated.

**System action:** None.

**User response:** None.

**CKSE3277-8 RULE *name* DELETED**

**Explanation:** This is an informative message issued when a rule has been deleted.

**System action:** None.

**User response:** None.

**CKSE3278-4 GLOBAL OPTIONS UPDATED**

**Explanation:** This is an informative message issued when the user has changed options on the GLOBAL OPTIONS panel.

**System action:** This message is displayed on the console and is written to the NCI log.

**User response:** None.

**CKSE3280-9 CONTROL TABLE *name* DOES NOT EXIST**

**Explanation:** The user has tried to load a control table which has not been defined to the system.

**System action:** None.

**User response:** Correct and reenter. Use F9 to display the RULE SELECTION LIST panel.

**CKSE3281-9 PLEASE ENTER A CONTROL TABLE NAME**

**Explanation:** The user has pressed F5 (Load) on the LOAD/RESTORE CONTROL TABLES panel but has not defined a control table name.

**System action:** None.

**User response:** Enter a valid name. Use F9 to display the RULE SELECTION LIST panel.

**CKSE3282-9 ACTION MUST BE ANOTHER RULE OR A KEYWORD ACTION**

**Explanation:** The user has specified the current rule name as an action. This is not permitted. (For instance RULEA cannot have a TRUE or FALSE action of RULEA).

**System action:** None.

**User response:** Specify another rule name or a keyword action.

**CKSE3283-9 SYMBOLIC VALUE INVALID FOR THIS FIELD**

**Explanation:** The user has specified either a symbolic value that is not associated with the symbolic field name or a symbolic value for a non-flag field.

**System action:** None.

**User response:** Correct and reenter. See the appendix entitled Field names and flags for a list of the symbolic field names and their associated values.

#### **CKSE3284-9 RULE MAY ONLY BE EDITED FROM HIGHEST LEVEL DISPLAYED**

**Explanation:** The user has entered a C line command against a rule name in the VIEW CONTROL TABLE STRUCTURE panel. This message indicates that a recursive structure has been created, for instance RULE1 has a TRUE action which executes RULE2 which has a TRUE action which executes RULE1. (If this control table was loaded and the input data caused the processing to loop, the system would abort and return error message CKSE3298-3)

**System action:** None.

**User response:** Check the structure of the table and correct.

#### **CKSE3285-9 CONTROL TABLE LOAD FAILED, ACTIVE NAME NOT SPECIFIED**

**Explanation:** The user has not specified an active control table name.

**System action:** None.

**User response:** Specify a valid control table name.

#### **CKSE3286-9 DEFAULT CONTROL TABLE LOAD FAILED, READING ACTIVE CONTROL TABLE**

**Explanation:** An error occurred during job startup as a result of attempting to determine whether an active control table is loaded in CSA.

**System action:** The refresh control table at startup is not performed.

**User response:** Check that NC-PASS is running from an authorized load library. If NC-PASS is authorized then contact your local PassGo Technologies support office.

#### **CKSE3287-9 DEFAULT CONTROL TABLE LOAD FAILED, CONTROL TABLE ALREADY ACTIVE**

**Explanation:** An active loaded control table was found by NC-PASS during job startup, when an attempt was made to refresh the control table.

**System action:** The refresh control table at startup is not performed.

**User response:** Determine why an active control table is loaded into CSA. Possible reasons are that a previous NC-PASS loaded a control table and was shut down with the global option 'Continue to process the active control table' set to Y or another NC-PASS job is currently running which has loaded an active control table.

#### **CKSE3288-9 DEFAULT CONTROL TABLE LOAD FAILED, ACTIVE NAME NOT SPECIFIED**

**Explanation:** An error occurred during job startup as a result of NC-PASS attempting to refresh a non-existent control table.

**System action:** No control table is refreshed by NC-PASS.

**User response:** Determine why NC-PASS was requested to refresh an undefined control table.

#### **CKSE3289-9 CONTROL TABLE LOAD**

**Explanation:** The control table has been successfully loaded.

**System action:** None.

**User response:** None.

#### **CKSE3290-9 CONTROL TABLE LOAD FAILED**

**Explanation:** The load of the control table has failed. Additional details will be provided on preceding messages.

**System action:** None.

**User response:** Check the error messages and correct as appropriate.

#### **CKSE3291-9 LITERAL CANNOT BE USED WITH FLAG FIELD**

- Explanation:** The user has tried to add a literal value to a column headed by a flag field. Only symbolic values can be added.
- System action:** None.
- User response:** Correct and reenter.

#### **CKSE3292-9 FLAG AND NON FLAG FIELDS CANNOT BE MIXED**

- Explanation:** The user has entered either a flag field as a data value for a column headed by a non-flag field or a non-flag field as a data value for a column headed by a flag field.
- System action:** None.
- User response:** Correct and reenter. Refer to *Appendix A - VSSE field names and flags* (Volume 1) for further details.

#### **CKSE3293-9 CONTROL TABLE ERROR (RC=nn) CONTACT YOUR SUPPORT OFFICE**

- Explanation:** An internal error has occurred in the processing of a control table.
- System action:** The session is denied.
- User response:** Contact your local PassGo Technologies support office.

#### **CKSE3294-9 LIBRARY CONTAINING AUCNTRL NOT AUTHORIZED**

- Explanation:** AUCNTRL is not in an authorized //STEPLIB library concatenation.
- System action:** None.
- User response:** Ensure all libraries in the //STEPLIB concatenation in the NC-PASS JCL are APF authorized.

#### **CKSE3295-9 INVALID DEFAULT CONTROL TABLE ACTION**

- Explanation:** The user has entered a value other than ALLOW DENY or WARN as the default action for a control table.
- System action:** None.
- User response:** Correct and reenter.

#### **CKSE3296-4 SME TRACE: ACTION=*action***

- Explanation:** This is an informative message sent to the console and the NCI log if the TRACE option on the GLOBAL OPTIONS panel is set to Y. Two **CKSE3297-4** messages relating to the PLU and the SLU respectively will follow.
- System action:** None.
- User response:** None.

#### **CKSE3297-4 SME *lu* NAME = *lu name* NETID = *netid* SSCP = *sscp***

- Explanation:** This is an informative message sent to the console and the NCI log if the TRACE option on the GLOBAL OPTIONS panel is set to Y. Two messages are sent, one relating to the PLU, one to the SLU.
- System action:** None.
- User response:** None.

### CKSE3298-3 SME CONTROL TABLE RETURN CODE *nnn*

**Explanation:** An error has occurred in the SME. *nnn* is the return code with the following meaning:

- 0 successful completion.
- 4 invalid action for default rule action.
- 8 16 level rule recursion count exceeded - default rule action.
- 12 new rule referenced not found in table - default rule action.
- 16 16 level rule recursion count exceeded - array action.
- 20 new rule referenced not found in table - array action.
- 24 group referenced but no group list in storage.
- 28 group referenced not found in table.
- 32 flag not recognized.
- 36 field name not recognized.
- 40 no value supplied for field test \*.
- 44 no value length\*.
- 48 no target coded for flag\*.
- 52 error comparing one field with another.
- 56 SME not running on supported release of VTAM.
- 104 AUSECTL could not locate SSCT\*.
- 108 AUSECTL could not locate SSCT\*.
- 112 AUSECTL - parameter 2 not supplied\*.
- 116 AUSECTL - parameter 3 not supplied\*.
- 120 AUSECTL - parameter 1 zero\*.
- 124 AUSECTL - invalid function\*.
- 128 An Active Control Table has not been loaded.

**System action:** The message is displayed on the console and written to the NCI log.

**User response:** For those error codes marked with an asterisk (\*) in the list above, contact your local support office.

### CKSE3299-3 SME ABEND

**Explanation:** The SME has abended.

**System action:** A VTAM storage dump is taken and the SME is disabled. All sessions will be allowed as far as the SME is concerned.

**User response:** Back out the Session Management Exit and restart VTAM. Contact your local support office.

### CKSE3301-8 SME GROUP DEFINITION *group-name* CHANGED BY (USER= *userid*)

**Explanation:** This is an informative message issued when a group definition has been updated.

**System action:** None.

**User response:** None.

### CKSE3302-9 CONTROL TABLE CANNOT BE DELETED

**Explanation:** The user has issued a D line command against either the \*ACTIVE\* or \*BACKUP\* rules on the RULE LIST panel. This is not permitted. These entries refer to the current active and backup control tables.

**System action:** None.

**User response:** None.

### CKSE3303-9 A VALID RULE MUST BE ENTERED TO RUN A TEST

**Explanation:** The user has tried to run a control table test (by pressing <F2> on the SME CONTROL TABLE TESTING panel (2.4)) without specifying a rule name.

**System action:** None.

**User response:** Specify the master rule name for this test, add the test data as required and press <F2> to run the test.

#### CKSE3304-9 VALID TEST DATA MUST BE SUPPLIED TO RUN A TEST

- Explanation:** The user has tried to run a control table test (by pressing <F2> on the SME CONTROL TABLE TESTING panel (2.4)) without specifying test data for all the fields.
- System action:** None.
- User response:** Enter the required data and press <F2> to run the test.

#### CKSE3305-9 CONTROL TABLE TEST *test-name* UPDATED BY (USER= *userid*)

- Explanation:** This is an informative message issued when a control table test has been updated.
- System action:** None.
- User response:** None.

#### CKSE3306-9 CONTROL TABLE TEST *test-name* DELETED BY *userid*

- Explanation:** This is an informative message issued when a control table test has been deleted.
- System action:** None.
- User response:** None.

#### CKSE3309-9 NEW ARRAY IS REQUIRED FOR MODEL ARRAY

- Explanation:** The user has entered an array name in the Model array field on the RULE EDIT panel, but has left the Array field blank.
- System action:** None.
- User response:** Enter the name of the array to be created in the Array field. To model this on an existing array, enter the name of the array on which the new array is to be modelled, in the Model array field. If the model array is contained in another rule, enter the name of that rule in the Model rule field.

#### CKSE3310-9 NEW ARRAY AND MODEL ARRAY ARE REQUIRED FOR MODEL RULE

- Explanation:** The user has entered a rule name in the Model rule field on the RULE EDIT panel, but has left the Array and Model array fields blank.
- System action:** None.
- User response:** Enter the name of the array to be created in the New array field. To model this on an existing array, enter the name of the array on which the new array is to be modelled, in the Model array field. If the model array is contained in another rule, enter the name of that rule in the Model rule field.

#### CKSE3311-9 NEW RULE IS REQUIRED FOR MODEL RULE

- Explanation:** The user has entered a rule name in the Model rule field on the RULE MAINTENANCE panel (2.1) but has left the Rule field blank.
- System action:** None.
- User response:** Enter the name of the rule to be created in the New rule field. To model this on an existing rule, enter the existing rule name in the Model rule field.

#### CKSE3312-9 CONTROL TABLE TEST FAILED

- Explanation:** The user has pressed <F2> on the SME CONTROL TABLE TESTING panel. The test has failed.
- System action:** None.
- User response:** Check for incomplete data, eg check that test data has been supplied in the FIELD DATA column for all field names in the test or check that the rules in the test have been fully defined (ie all arrays have a true and false action defined). This message will also be output if the Single rule test field is set to N and the test control table includes a rule which has not yet been defined to the system.

#### CKSE3313-8 OPERATOR FUNCTIONS UPDATED

- Explanation:** The CONTROL OPERATOR FUNCTIONS panel has been updated. (This message has also been written to the NCI log).
- System action:** The new function settings will be applied.
- User response:** None.

#### **CKSE3314-9 NO ACTIVE CONTROL TABLE**

#### **CKSE3315-4 CONTROL TABLE *control-table-name* LOADED**

**Explanation:** This is an informative message indicating that the specified table has been successfully loaded as the Active Control Table. (This message has also been written to the NCI log and displayed on the console.)

**System action:** The specified table will now be used to check session initiation requests.

**User response:** None.

#### **CKSE3316-4 CONTROL TABLE *control-table-name* RESTORED FROM BACKUP**

**Explanation:** The Backup Control Table and the Active Control Table have been switched. The Backup Control Table is now the Active Control Table and vice versa.

**System action:** The specified table will now be used to check session initiation requests.

**User response:** None.

#### **CKSE3317-9 MAXIMUM NUMBER OF LEVELS THAT MAY BE VIEWED IS 16**

**Explanation:** A rule has been created with more than 16 levels. If this rule is loaded as the Active Control Table the SME will abort if more than 16 levels are processed.

**System action:** None.

**User response:** Edit the rule to reduce the number of levels to 16 or below.

#### **CKSE3318-9 RULE *rule-name* DOES NOT EXIST**

**Explanation:** The user has entered another rule name as a TRUE or FALSE action for a rule. This is an informative message warning that the rule name entered as an action does not exist.

**System action:** None.

**User response:** The rule specified as rule name must be created before the top level rule is loaded as the Active Control Table.

#### **CKSE3319-9 NEXT IS INVALID AS A DEFAULT ACTION**

**Explanation:** The user has entered the value NEXT as a default action for a rule. This is not permitted.

**System action:** None.

**User response:** Correct and reenter.

#### **CKSE3320-9 NO BACKUP CONTROL TABLE**

**Explanation:** The user has pressed the <F6> (restore) key on the LOAD/RESTORE CONTROL TABLES panel when no backup control table (BCT) has been defined. (The current active control table (ACT) will become the BCT if a new table is loaded as the ACT.)

**System action:** None.

**User response:** None.

#### **CKSE3321-9 COMPARATOR MUST BE EQ OR NE**

**Explanation:** The user has entered a value other than EQ (Equal to) or NE (Not Equal to) in the Comp field on the SME ARRAY EDIT panel.

**System action:** None.

**User response:** Correct and reenter.

#### **CKSE3322-9 AT LEAST ONE DATA ITEM IS REQUIRED**

- Explanation:** The user has entered values in the Field and Comp fields on the SME ARRAY EDIT panel, but there is no entry in the Data field. At least one data item must be entered.
- System action:** None.
- User response:** Either add data values to the list or delete the list as appropriate.

#### **CKSE3323-8 DUPLICATE DATA ITEM NOT ADDED**

- Explanation:** The user has tried to add the same data item twice.
- System action:** The second addition is ignored.
- User response:** None.

#### **CKSE3324-9 DUPLICATE FIELD NOT ALLOWED**

- Explanation:** The user has tried to add a field name that has already been used, to an array list.
- System action:** The field name is not added.
- User response:** Correct and reenter or delete as appropriate.

#### **CKSE3325-8 MULTIPLE SELECTION NOT ALLOWED**

- Explanation:** The user has entered the S line command against more than one item. Only one item can be selected at a time.
- System action:** None.
- User response:** Enter one S command at a time.

#### **CKSE3326-8 MULTIPLE MOVE NOT ALLOWED**

- Explanation:** The user has entered more than one M line command. Only one item can be moved at a time.
- System action:** None.
- User response:** Enter one M command at a time.

#### **CKSE3327-9 CONTROL TABLE TEST *test name* NOT FOUND**

- Explanation:** The specified test has not been found.
- System action:** None.
- User response:** If you meant to run an existing test, you might have misspelled the test name. Press <F5> to view the CONTROL TABLE TEST LIST panel and select the name you require. If you are creating a new test, treat this as an informative message and continue to enter the required information. This new test will be saved when you press <F3>.

#### **CKSE3328-9 FIRST COLUMN DISPLAYED**

- Explanation:** The user has pressed the <F10> key (scroll left) on the SME ARRAY EDIT panel when the first column is already being displayed.
- System action:** None.
- User response:** None.

#### **CKSE3329-9 LAST COLUMN DISPLAYED**

- Explanation:** The user has pressed the <F11> key (scroll right) on the SME ARRAY EDIT panel when the last column is already being displayed.
- System action:** None.

#### **CKSE3331-9 PLEASE ENTER A VALID RULE NAME**

- Explanation:** The user has typed incorrect details in a required field.
- System action:** None.
- User response:** Correct and reenter.

**CKSE3332-9 VALID DATA TYPES ARE: F=FIELD, G=GROUP, L=LITERAL, V=FLAG VALUE**

**Explanation:** The user has entered a value other than those described above.  
**System action:** None.  
**User response:** Correct and reenter.

**CKSE3333-9 ENTER NEW DATA FOR THIS FIELD**

**Explanation:** The user has not specified an entry for a required field.  
**System action:** None.  
**User response:** Correct and reenter.

**CKSE3335-9 CONTROL TABLE TEST *name* ADDED BY (USERID=*userid*)**

**Explanation:** User *userid* has added a test to the system using panel SME CONTROL TABLE TESTING.  
**System action:** None.  
**User response:** None.

**CKSE3336-9 PLEASE ENTER A VALID FIELD NAME**

**Explanation:** The user has not supplied a field name at the Field prompt on the SME ARRAY EDIT panel.  
**System action:** None.  
**User response:** Enter a field name or press <F12> to select a name from the FIELD LIST panel.

**CKSE3338-4 GENERAL SYSTEM OPTIONS UPDATED (USERID=*userid*)**

**Explanation:** User *userid* has amended and saved one or more options on the GENERAL SYSTEM OPTIONS panel (8.2).  
**System action:** The new values will be used.  
**User response:** None.

**CKSE3340-8 INVALID NODE NAME - PLEASE RE ENTER**

**Explanation:** The LU6.2 VTAM nodename specified on the LU6.2 LINK MAINTENANCE panel has not been defined in the VTAM resource definition library.  
**System action:** None.  
**User response:** Check the name and correct if necessary or contact your VTAM administrator.

**CKSE3343-9 LU6.2 NODE DISABLED**

**Explanation:** The user has typed N at the **Enable LU6.2 Link** field on the LU6.2 LINK MAINTENANCE panel. The LU6.2 VTAM node has been disabled.  
**System action:** Any active links to LANs will be disabled.  
**User response:** None.

**CKSE3344-9 LU6.2 LINK DISABLE FAILED**

**Explanation:** The user has typed N at the **Enable LU6.2 Link** field on the LU6.2 LINK MAINTENANCE panel. The system has been unable to disable the LU6.2 VTAM node.  
**System action:** None.  
**User response:** None.  
**User response:**

**CKSE3345-4 SME ALLOW OLU=*olu* NETID=*onetid* SSCP=*oss*cp**  
**CKSE3346-4 SME ALLOW OLU=*olu* DLU=*dlu* NETID=*dnetid* SSCP=*dss*cp**  
**CKSE3347-4 SME ALLOW OLU=*olu* RULE=*rulename* ARRAY=*arrayname(n)***  
**CKSE3348-4 SME ALLOW OLU=*olu* FIELD=*field* SUPPLIED DATA=*data***

**Explanation:** These messages are produced as part of the system audit trail to show what processing was performed. In this case, processing of a control table has resulted in an ALLOW action (and the ALLOW switch on the GLOBAL OPTIONS panel (14.5) has been set to Y). The variables in the above messages are:

<i>olu</i>	the originating logical unit device id.
<i>onetid</i>	the network id containing the OLU.
<i>oss</i> cp	the name of the System Service Control Point (VTAM) controlling the OLU.
<i>dlu</i>	the destination logical unit device id.
<i>dnetid</i>	the network id containing the DLU.
<i>dss</i> cp	the name of the System Service Control Point (VTAM) controlling the DLU.
<i>rulename</i>	the name of the rule in which the decision was made.
<i>arrayname(n)</i>	the array in which the decision was made. If this is output as N/A (not applicable) then the decision was not made in an array. The default rule/control table action was taken. The position of the array in the rule ( <i>n</i> ) is also displayed.
<i>field</i>	the last field in the array to be accessed before the decision was made. If <i>arrayname</i> is N/A, message 3348 will not be output.
<i>data</i>	the last data value to be cross referenced before the decision was made. If <i>arrayname</i> is N/A, message 3348 will not be output.

**System action:** None.

**User response:** None.

**CKSE3349-4 SME WARN OLU=*olu* NETID=*onetid* SSCP=*oss*cp**  
**CKSE3350-4 SME WARN OLU=*olu* DLU=*dlu* NETID=*dnetid* SSCP=*dss*cp**  
**CKSE3351-4 SME WARN OLU=*olu* RULE=*rulename* ARRAY=*arrayname(n)***  
**CKSE3352-4 SME WARN OLU=*olu* FIELD=*field* SUPPLIED DATA=*data***

**Explanation:** These messages are produced as part of the system audit trail to show what processing was performed. In this case, processing of a control table has resulted in a WARN action. (The SME always notifies NC-PASS of WARN actions.) The variables in the above messages are:

<i>olu</i>	the originating logical unit device id.
<i>onetid</i>	the network id containing the OLU.
<i>oss</i> cp	the name of the System Service Control Point (VTAM) controlling the OLU.
<i>dlu</i>	the destination logical unit device id.
<i>dnetid</i>	the network id containing the DLU.
<i>dss</i> cp	the name of the System Service Control Point (VTAM) controlling the DLU.
<i>rulename</i>	the name of the rule in which the decision was made.
<i>arrayname(n)</i>	the array in which the decision was made. If this is output as N/A (not applicable) then the decision was not made in an array. The default rule/control table action was taken. The position of the array in the rule ( <i>n</i> ) is also displayed.
<i>field</i>	the last field in the array to be accessed before the decision was made. If <i>arrayname</i> is N/A, message 3352 will not be output.
<i>data</i>	the last data value to be cross referenced before the decision was made. If <i>arrayname</i> is N/A, message 3352 will not be output.

**System action:** None.

**User response:** None.

**CKSE3353-4 SME DENY OLU=*olu* NETID=*onetid* SSCP=*osscp***  
**CKSE3354-4 SME DENY OLU=*olu* DLU=*dlu* NETID=*dnetid* SSCP=*dsscp***  
**CKSE3355-4 SME DENY OLU=*olu* RULE=*rulename* ARRAY=*arrayname(n)***  
**CKSE3356-4 SME DENY OLU=*olu* FIELD=*field* SUPPLIED DATA=*data***  
**CKSE3357-4 SME DENY OLU=*olu* GLOBAL OPTION (STOP) = STOPINOSTOP**

**Explanation:** These messages are produced as part of the system audit trail to show what processing was performed. In this case, processing of a control table has resulted in a DENY action. (The SME always notifies NC-PASS of DENY actions). The variables in the above messages are:

<i>olu</i>	the originating logical unit device id.
<i>onetid</i>	the network id containing the OLU.
<i>osscp</i>	the name of the System Service Control Point (VTAM) controlling the OLU.
<i>dlu</i>	the destination logical unit device id.
<i>dnetid</i>	the network id containing the DLU.
<i>dsscp</i>	the name of the System Service Control Point (VTAM) controlling the DLU.
<i>rulename</i>	the name of the rule in which the decision was made.
<i>arrayname(n)</i>	the array in which the decision was made. If this is output as N/A (not applicable) then the decision was not made in an array. The default rule/control table action was taken. The position of the array in the rule ( <i>n</i> ) is also displayed.
<i>field</i>	the last field in the array to be accessed before the decision was made. If <i>arrayname</i> is N/A, message 3356 will not be output.
<i>data</i>	the last data value to be cross referenced before the decision was made. If <i>arrayname</i> is N/A, message 3356 will not be output.

**System action:** None.

**User response:** None.

#### CKSE3358-9 NO CHANGES TO FIELD ORDER MADE

**Explanation:** The user has pressed <F5> on the SME ARRAY EDIT panel to change the order of the fields within the arrays, but has exited without making any changes.

**System action:** None.

**User response:** None.

#### CKSE3359-9 FIELD ORDER CHANGED

**Explanation:** The user has changed the order of the fields within an array.

**System action:** None.

**User response:** None.

#### CKSE3360-3 FIELD *fieldname* INVALID FOR VTAM RELEASE (R/A=*rulename/arrayname*)

**Explanation:** This field is not available at VTAM release 3.3.

**System action:** None.

**User response:** Refer to *Appendix A - VSSE field names and flags* (Volume 1) for a list of available fields.

#### CKSE3361-9 INSUFFICIENT FIELDS TO CHANGE ORDER

**Explanation:** The user has pressed <F5> (order) on the SME ARRAY EDIT panel for an array that has less than two fields.

**System action:** None.

**User response:** None.

**CKSE3362-9 MODEL ARRAY *arrayname* DOES NOT EXIST IN RULE *rulename***

- Explanation:** The user has specified a model array on the RULE EDIT panel which is not defined in the specified model rule.
- System action:** None.
- User response:** Correct and reenter.

**CKSE3363-9 DEFAULT ACTION MUST BE ALLOW DENY WARN OR EXIT**

- Explanation:** The user has specified an invalid default action for a rule on the RULE EDIT panel.
- System action:** None.
- User response:** Correct and reenter.

**CKSE3364-9 RULE *rulename* SELECTED**

- Explanation:** The user has selected rule *rulename* from the list displayed on the RULE SELECTION LIST panel.
- System action:** The rule name is displayed in the appropriate field.
- User response:** None.

**CKSE3371-9 DATA FIELD CANNOT BE COMPARED WITH ITSELF**

- Explanation:** You have attempted to compare a data field with itself.
- System action:** None.
- User response:** Correct the data field name and retry.

**CKSE3373-8 ATTEMPT TO LOCK USER *userid* PROHIBITED DUE TO AUTHORITY GROUP**

- Explanation:** An administrator has attempted to lock user *userid* using the PROCESS LOCKED USERS panel. NC-PASS has compared the authority group specified on the administrator's *userid* profile with that of the *userid*. The group to which this *userid* belongs is outside the scope of this administrator.

**WARNING:** This could be an attempted breach of security .

- System action:** The lock is not applied. This message will be routed to the appropriate destination as defined in the MESSAGE ROUTING panel.
- User response:** Consult the NC-PASS system administrator.

**CKSE3374-8 ATTEMPT TO LOCK USER *userid* PROHIBITED DUE TO AUTHORITY LEVEL**

- Explanation:** An administrator has attempted to lock user *userid* using the PROCESS LOCKED USERS panel. NC-PASS has compared the authority level specified on the administrator's *userid* profile with that of the *userid*. The level to which this *userid* is assigned is outside the scope of this administrator.

**WARNING:** This could be an attempted breach of security .

- System action:** The lock is not applied. This message will be routed to the appropriate destination as defined in the MESSAGE ROUTING panel.
- User response:** Consult the NC-PASS system administrator.

**CKSE3375-8 ATTEMPT TO UNLOCK USER *userid* PROHIBITED DUE TO AUTHORITY GROUP**

- Explanation:** An administrator has attempted to unlock user *userid* using the PROCESS LOCKED USERS panel. NC-PASS has compared the authority group specified on the administrator's *userid* profile with that of the *userid*. The group to which this *userid* belongs is outside the scope of this administrator.

**WARNING:** This could be an attempted breach of security .

- System action:** The lock is not released. This message will be routed to the appropriate destination as defined in the MESSAGE ROUTING panel.
- User response:** Consult the NC-PASS system administrator.

#### CKSE3376-8 ATTEMPT TO UNLOCK USER *userid* PROHIBITED DUE TO AUTHORITY LEVEL

**Explanation:** An administrator has attempted to unlock user *userid* using the PROCESS LOCKED USERS panel. NC-PASS has compared the authority level specified on the administrator's *userid* profile with that of the *userid*. The level to which this *userid* is assigned is outside the scope of this administrator.

**WARNING:** This could be an attempted breach of security .

**System action:** The lock is not released. This message will be routed to the appropriate destination as defined in the MESSAGE ROUTING panel.

**User response:** Consult the NC-PASS system administrator.

#### CKSE3377-9 CONTROL TABLE CONVERSION FROM V1.4 to V2.0 IN PROGRESS

**Explanation:** An administrator has initiated an authorization control table conversion.

**System action:** The information contained in the NC-PASS v1.4 control table will be converted to v2.0 format.

**User response:** None.

#### CKSE3378-8 CONTROL TABLE CONVERSION FROM V1.4 to V2.0 FAILED

**Explanation:** An error occurred during the conversion process. Possible reasons are:

- existing errors in the authorization control table
- the member specified is not a valid control table.

**System action:** The conversion is abandoned.

**User response:** Check to see if the error has been caused by one of the reasons listed above and correct as appropriate. Rerun the conversion.

#### CKSE3379-9 CONTROL TABLE CONVERSION FROM V1.4 to V2.0 COMPLETED

**Explanation:** The authorization control table has been successfully converted from v1.4 to v2.0 format.

**System action:** None.

**User response:** The converted rule can be examined and loaded, if required, using the LOAD/RESTORE CONTROL TABLES panel. Global option updates found during conversion will not be applied automatically but will be displayed after successful conversion. These global option updates can be applied using the SET GLOBAL OPTIONS panel.

#### CKSE3380-9 CONTROL TABLE CONVERSION GENERATED A DEFAULT ACTION OF ALLOW

**Explanation:** A CATCHALL entry was found in the PDS member that required conversion.

**System action:** The default action of the generated rule is set to ALLOW. The effect of this will be to ALLOW all sessions if the rule is loaded as an active control table.

**User response:** Check the validity of the CATCHALL entry and if it is not required either modify the default action of the generated rule or change the corresponding entry in the PDS member and rerun the conversion process.

#### CKSE3382-9 INPUT DATASET AND MEMBER = *name*

**Explanation:** The listed dataset and member name formed the input for the authorization control table conversion process.

**System action:** An attempt is made to run the conversion.

**User response:** Check for the existence of messages CKSE3379 and CKSE3383 which accompany normal completion of the conversion process.

#### CKSE3383-9 GENERATED RULE NAME = *name*

**Explanation:** The authorization control table conversion process generated a rule of the supplied name.

**System action:** None.

**User response:** Check for the existence of any other conversion related messages and if required browse the generated rule.

**CKSE3384-4 SME ACQUIRE OLU=*olu* NETID=*onetid* SSCP=*osscp***  
**CKSE3385-4 SME ACQUIRE OLU=*olu* DLU=*dlu* NETID=*dnetid* SSCP=*dsscp***  
**CKSE3386-4 SME ACQUIRE OLU=*olu* RULE=*rulename* ARRAY=*arrayname(n)***  
**CKSE3387-4 SME ACQUIRE OLU=*olu* FIELD=*field* SUPPLIED DATA=*data***  
**CKSE3388-4 SME ACQUIRE OLU=*olu* GLOBAL OPTION (STOP) = STOPINOSTOP**

**Explanation:** These messages are produced as part of the system audit trail to show what processing was performed. In this case, processing of a control table has resulted in an ACQUIRE action. (The SME always notifies NC-PASS of ACQUIRE actions). The variables in the above messages are:

<i>olu</i>	the originating logical unit device id.
<i>onetid</i>	the network id containing the OLU.
<i>osscp</i>	the name of the System Service Control Point (VTAM) controlling the OLU.
<i>dlu</i>	the destination logical unit device id.
<i>dnetid</i>	the network id containing the DLU.
<i>dsscp</i>	the name of the System Service Control Point (VTAM) controlling the DLU.
<i>rulename</i>	the name of the rule in which the decision was made.
<i>arrayname(n)</i>	the array in which the decision was made. If this is output as N/A (not applicable) then the decision was not made in an array. The default rule/control table action was taken. The position of the array in the rule ( <i>n</i> ) is also displayed.
<i>field</i>	the last field in the array to be accessed before the decision was made. If <i>arrayname</i> is N/A, message 3387 will not be output.
<i>data</i>	the last data value to be cross referenced before the decision was made. If <i>arrayname</i> is N/A, message 3387 will not be output.

**System action:** None.

**User response:** None.

**CKSE3390-9 NO USER PROFILE HAS BEEN FOUND FOR *userid***

**Explanation:** You have entered a default *userid* in the LOGON DEFAULTS panel to be used for ACQUIRE processing, but no matching user profile has been found.

**System action:** If an attempt is made to read the default user profile during acquire processing, error message CKSE3395 will be generated in the NCILOG.

**User response:** Define a default user profile for acquire processing by using the USER PROFILE MAINTENANCE panel.

### CKSE3391-9 QUERY UPDATE FAILED (RC=xx)

**Explanation:** You have queried what is stored in CSA as the rule used for the last Control Table loaded, and the author. The name of the author of the last changes to the Global Options has also been queried. The query has failed. Possible return codes are as follows:

00	Successful completion.
04	No function specified.
08	Function greater than eight bytes in length.
12	Invalid function.
16	Invalid number of parameters.
20	(MOD) Function list zero length.
24	(MOD) Function list greater than thirty bytes in length.
28	(MOD) Invalid function character (M, S, D, L).
32	(MOD/LOAD) Invalid table type.
36	(MOD/LOAD) Control table not supplied.
40	(MOD/LOAD) Group list not supplied.
44	(MOD/DELETE) Invalid table type.
48	(MOD/SWAP) Invalid first table type.
52	(MOD/SWAP) Invalid second table type.
56	(MOD/MOVE) Invalid first table type.
60	(MOD/MOVE) Invalid second table type.
64	(MOD) Comma expected.
68	(LIST) Table type not supplied.
72	(LIST) Table type invalid length.
76	(LIST) Invalid table type.
80	(SET) Option in list greater than eight bytes.
84	(SET) Invalid option in list.
88	Missing or invalid timeout value.
92	(UTO) Timeout value out of range (1-3600).
96	(SET, MOD) Job id missing or invalid length.
98	Query subparameter missing or invalid.
100	Unable to set up main control block.
112	Retry count exceeded attempting to free active table.
116	Retry count exceeded attempting to free active groups.
200	Program not running from authorized library.
204	The version of NC-PASS which is running is not compatible with the version of the exit which has been installed.

**System action:** The return code of the failed attempt is displayed.

**User response:** If retrying the query fails, contact your local PassGo Technologies support office.

### CKSE3392-9 SME QUERY OPTIONS FAILED (RC=xx)

**Explanation:** You have queried what VSSE SME Global Options are stored in CSA. The query has failed. Possible return codes are the same as for message CKSE3391 above.

**System action:** The return code of the failed attempt is displayed.

**User response:** If retrying the query fails, contact your local PassGo Technologies support office.

#### CKSE3393-5 SME USERID ADD TO CSA FAILED (RC=xx)

**Explanation:** VSSE processing has attempted to add details of a user who has been authenticated successfully by NC-PASS, to CSA, but the add has failed. Possible return codes are as follows:

0	Successful completion.
4	Program not authorized.
8	Invalid number of parameters.
12	Function null or invalid.
16	Userid invalid length.
20	Terminal invalid length.
24	SSCP id invalid length.
28	Network id invalid length.
32	Unable to locate SSCT for add.
36	Unable to locate SSCT for del.
40	Unable to locate main control block.
44	Element not found - not deleted.

**System action:** The user is returned to USSTAB and access to the requested application is not permitted.

**User response:** Check the supplied return codes for possible error conditions. If no reason can be found, contact your local PassGo Technologies support office.

#### CKSE3394-5 SME USERID DELETE FROM CSA FAILED (RC=xx)

**Explanation:** VSSE processing has attempted to connect a user to the requested application, but the connect has not been allowed, and the subsequent deletion of the user details from CSA has failed. Possible return codes are as follows:

0	Successful completion.
4	Program not authorized.
8	Invalid number of parameters.
12	Function null or invalid.
16	Userid invalid length.
20	Terminal invalid length.
24	SSCP id invalid length.
28	Network id invalid length.
32	Unable to locate SSCT for add.
36	Unable to locate SSCT for del.
40	Unable to locate main control block.
44	Element not found - not deleted.

**System action:** The user is returned to USSTAB and access to the requested application is not permitted.

**User response:** Check the supplied return codes for possible error conditions. If no reason can be found, contact your local PassGo Technologies support office.

#### CKSE3395-6 NO USER PROFILE HAS BEEN FOUND FOR DEFAULT USER *userid*

**Explanation:** An attempt has been made to use the default user profile during ACQUIRE processing, but no default user profile matching this name has been defined to NC-PASS.

**System action:** The logon is aborted with error message CKSE0491 and access to the requested application is not allowed.

**User response:** Define a default user profile in the LOGON DEFAULTS panel or instruct the user to log on using a user profile that has already been defined.

#### **CKSE3396-5 ACQUIRE FOR TERMINAL *termid* FAILED (RC=04)**

**Explanation:** NC-PASS attempted to acquire terminal *termid* but the attempt failed. The following error conditions could generate this message:

- the terminal is unavailable (ie powered off or has developed a fault)
- the terminal is already in session with another application.

**System action:** Access to the requested application is not granted.

**User response:** Check the availability of the terminal and either make it available or instruct the user to retry from another terminal.

#### **CKSE3397-6 ACQUIRE FOR TERMINAL *termid* SUCCESSFUL**

**Explanation:** NC-PASS has successfully acquired terminal *termid* as a result of a request to a sensitive application, protected by the SME.

**System action:** None.

**User response:** The user enters the required authentication information; if authentication is successful, the initial session request will be established by NC-PASS.

#### **CKSE3398-6 TERMINAL *termid* IS ALREADY CONNECTED TO NCI**

**Explanation:** An attempt has been made by NC-PASS to acquire terminal *termid* which is already in session with another NCI. It will not be possible for NC-PASS to acquire the terminal as it is already connected.

**System action:** The terminal remains with the original NCI.

**User response:** Use another terminal.

#### **CKSE3399-5 ACQUIRE FOR TERMINAL *termid* FAILED - PARAMETER LIST ERROR**

**Explanation:** NC-PASS has issued an ACQUIRE command for terminal *termid*, but the request has been rejected by VTAM.

**System action:** The user is not allowed to access the requested application.

**User response:** Contact your local PassGo Technologies support office.

#### **CKSE3400-5 NO RESPONSE FROM VTAM FOR THE ACQUIRE OF TERMINAL *termid***

**Explanation:** NC-PASS has issued an ACQUIRE command for terminal *termid*, but no response has been returned from VTAM within a 5 second period.

**System action:** None.

**User response:** Check for possible VTAM overloading. This message will occur if VTAM is running very slowly as a result of system overload, or a high frequency of session requests. If the state of VTAM is known to be sound, and the system is not being overloaded, contact your local PassGo Technologies support office.

#### **CKSE3401-4 FIELD NAME *fname* ENABLED**

**Explanation:** You have enabled field name *fname*, making it available to external security database processing during the NC-PASS logon procedure.

**System action:** The field name is enabled.

**User response:** None.

#### **CKSE3402-4 FIELD NAME *fname* DISABLED**

**Explanation:** You have disabled field name *fname* making it unavailable to external security database processing during the NC-PASS logon procedure.

**System action:** The field name is disabled.

**User response:** None.

#### **CKSE3403-8 FIELD NAME *fname* ALREADY ENABLED**

- Explanation:** You have tried to enable field name *fname* to make it available to external security database processing during the NC-PASS logon procedure. Field *fname* is already enabled.
- System action:** None.
- User response:** None.

#### **CKSE3404-8 FIELD NAME *fname* ALREADY DISABLED**

- Explanation:** You have tried to disable field name *fname*, to make it unavailable to external security database processing during NC-PASS logon procedure. Field *fname* is already disabled.
- System action:** None.
- User response:** None.

#### **CKSE3406-4 FIELD *fname* UPDATED**

- Explanation:** You have changed one or more keywords assigned to field name *fname*.
- System action:** The CAF keyword assignment records will be updated. This will affect external security database processing during the NC-PASS logon procedure.
- User response:** None.

#### **CKSE3407-8 INVALID KEYWORD, PLEASE CORRECT AND RE-ENTER**

- Explanation:** You have entered a new keyword on the KEYWORD ASSIGNMENT panel.
- System action:** The keyword has been rejected as invalid. The Keyword definition has not been updated with the invalid keyword.
- User response:** Correct and reenter the keyword. The rules for keywords are as follows. The first character must be either in the range A through Z or a national character. The remaining characters can also include 0 through 9 and the equals sign (=). Embedded spaces are not allowed.

#### **CKSE3408-5 LINK FAILURE FOR *nodename* CSA UPDATE REQUEST FOR *termid* UNKNOWN**

- Explanation:** An attempt has been made to update CSA in a different VTAM for a requesting terminal just prior to the CLSDST pass, but the link to the remote NC-PASS has failed, and no notification of the CSA update has been received.
- System action:** The check for notification from the remote node is bypassed and processing continues. If the CSA update request was not completed by the remote NC-PASS, and the requested application is in that VTAM domain, then the session request will probably be denied by the SME.
- User response:** Establish the reason for the MHO link loss and attempt to re-establish the link.

#### **CKSE3409-5 MHO LINK FAILURE- UNKNOWN STATE OF CSA UPDATE**

- Explanation:** An attempt has been made to update CSA in a different VTAM for a requesting terminal just prior to the CLSDST pass, but the link to the remote NC-Pass has failed, and no notification of the CSA update has been received.
- System action:** The user is shown panel ESE2922. This occurs because the CSA update request was only sent to one other remote NC-PASS and the link has since been lost with that NC-PASS. The user is therefore shown this panel as no further notification from any other NC-PASSES will be received. Establish the reason for the MHO link loss and attempt to re-establish the link.

#### **CKSE3410-8 DEFINITION MUST BE SUPPLIED**

- Explanation:** You must supply a definition name to perform this function.
- System action:** None.
- User response:** Supply a definition name or abandon this function.

**CKSE3411-4 DATE/TIME DEFINITION *defname* ADDED**

**Explanation:** A date/time definition, *defname*, has been added.

**System action:** The definition is added.

**User response:** Create the required definition entries.

**CKSE3412-4 DATE/TIME DEFINITION *defname* CHANGED**

**Explanation:** A date/time definition, *defname*, has been changed.

**System action:** The definition changes are saved.

**User response:** None.

**CKSE3413-4 DATE/TIME DEFINITION *defname* DELETED.**

**Explanation:** A date/time definition, *defname*, has been deleted.

**System action:** The definition is deleted.

**User response:** None.

**CKSE3414-8 NO ACTIVE CONTROL TABLE IN CSA - REINSTATEMENT REJECTED**

**Explanation:** You have attempted to reinstate processing of the active control table in CSA.

**System action:** There is no active control table in CSA, therefore the reinstatement attempt has failed.

**User response:** Assuming the intention is to load a control table and ensure that the SME will process using it, you must first prepare and load a control table. If the status of the loaded active control table is BACKED OUT then this reinstatement must be repeated.

**CKSE3415-8 CONTROL TABLE IN CSA IS ALREADY ACTIVE - REINSTATEMENT REJECTED**

**Explanation:** You have attempted to reinstate processing of the active control table in CSA.

**System action:** The active control table has not been backed out. The reinstatement attempt has failed.

**User response:** None. The reinstatement action is unnecessary.

**CKSE3416-9 ACTIVE CONTROL TABLE *tablename* IN CSA REINSTATED**

**Explanation:** You have reinstated processing of active control table *tablename* in CSA.

**System action:** The active control table will no longer be flagged as BACKED OUT. SME processing of the control table can continue if the table is enabled.

**User response:** None.

**CKSE3417-5 ACCESS DENIED - INVALID LOCK INTERVAL IN RACF USER PROFILE**

**Explanation:** NC-PASS has extracted invalid data from RACF during the log on procedure. The data in this case is the BASIC LOCK INTERVAL. The administrator has specified that the logon procedure can not continue with invalid data.

**System action:** The user is logged off, and returned to the NC-PASS logo.

**User response:** End-users - consult your NC-PASS and RACF administrators.

NC-PASS administrator - you may need to use the LOCKED USERS panel to unlock the user.

RACF administrator - correct the BASIC LOCK INTERVAL specified in the RACF profile, which must be in the range 0 through 99.

**User response:**

#### CKSE3420-5 ACCESS DENIED - INVALID TOKEN SERIAL NUMBER IN RACF USER PROFILE

**Explanation:** NC-PASS has extracted invalid data from RACF during the logon procedure. The data in this case is the TOKEN SERIAL NUMBER. The administrator has specified that the logon procedure can not continue with invalid data.

**System action:** The user is logged off, and will be returned to the NC-PASS logo.

**User response:** End-users - consult your NC-PASS and RACF administrators.

RACF administrator - correct the TOKEN SERIAL NUMBER specified in the RACF user profile. It must be numeric.

#### CKSE3427-4 DATE/TIME DEFINITION *def* MISSING OR INCOMPLETE (RULE/ARRAY = *rname/aname*)

**Explanation:** The date/time definition *def* does not exist or is empty; the rule build is not complete.

**System action:** None.

**User response:** Either update the date/time definition or edit the rule and try again.

#### CKSE3428-9 ONLY DATE/TIME DEFINITION CAN BE USED

**Explanation:** You can enter only a date/time definition as an entry for the TIMES special field.

**System action:** The new data item is not added.

**User response:** Specify a date/time definition.

#### CKSE3429-2 DATE/TIME DEFINITION *defname* MISSING OR INCOMPLETE

**Explanation:** The date/time definition, *defname*, does not exist or is incomplete.

**System action:** None.

**User response:** Update the definition *defname* before attempting to use this rule in a control table.

#### CKSE3433-5 ACCESS DENIED - INVALID TOKEN REQUIRED FLAG IN RACF USER PROFILE

**Explanation:** NC-PASS has extracted invalid data from RACF during the log on procedure. The data in this case is the TOKEN REQUIRED FLAG. The administrator has specified that the logon procedure can not continue with invalid data.

**System action:** The user is logged off, and returned to the NC-PASS logo.

**User response:** End-users - consult your NC-PASS and RACF administrators.

RACF administrator - change the TOKEN REQUIRED FLAG specified in the RACF user profile to one of the following values:

Y the user must use a token to log on.

N the user does not need a token to log on.

(blank) the user does not need a token to log on unless other settings force the use of a token.

#### CKSE3434-8 SME FUNCTION FAILED - ALREADY BACKED OUT

**Explanation:** JCL has been submitted to perform a backout of the Session Management Exit (SME). The SME has already been backed out.

**System action:** The SME function is rejected.

**User response:** None.

#### CKSE3435-8 SME FUNCTION FAILED - ALREADY ACTIVE

**Explanation:** JCL has been submitted to reinstate the Session Management Exit (SME). The SME is already active.

**System action:** The SME function is rejected.

**User response:** None.

### CKSE3436-8 SME FUNCTION FAILED - NOT AUTHORIZED BY NC-PASS OPTIONS

- Explanation:** JCL has been submitted that would have an effect on Session Management Exit (SME) processing.
- System action:** The SME function is rejected. The GLOBAL OPTIONS panel option to permit remote maintenance of the SME is set to N.
- User response:** If required, amend the global option to permit the remote maintenance.

### CKSE3437-9 SME REINSTATED

- Explanation:** JCL has been submitted that has reinstated the Session Management Exit (SME).
- System action:** The SME is active and can be used.
- User response:** There are other considerations if the control table restrictions/permissions are not being effected. The control table may not have been loaded into CSA, or it may not have been enabled.

### CKSE3438-9 SME BACKED OUT

- Explanation:** JCL has been submitted that has backed out the Session Management Exit (SME).
- System action:** The SME is now inactive and can not be used.
- User response:** In a system requiring SME protection, backing out the SME is an emergency procedure. It is intended for use when the control table loaded into CSA and used by the SME will not allow any sessions to be established. For system protection, the SME should be reinstated as soon as an appropriate control table has been loaded.

### CKSE3439-8 SME FUNCTION FAILED, PARAMETER ERROR

- Explanation:** JCL has been submitted to back out or reinstate the Session Management Exit (SME). The JCL included a parameter that should have been in the following format:
- SME = ON (or OFF)
- System action:** The SME function is rejected. The parameter must be specified as shown above.
- User response:** Correct the parameter in the JCL and resubmit.

### CKSE3440-8 SME FUNCTION FAILED - PROGRAM NOT AUTHORIZED

- Explanation:** JCL has been submitted to back out or reinstate the Session Management Exit (SME). The JCL executes a program that must be in an authorized library.
- System action:** The SME function is rejected.
- User response:** Ensure that the program is in an authorized library and resubmit the JCL.

### CKSE3441-8 SME FUNCTION FAILED - SSCT NOT FOUND OR INACCESSIBLE

- Explanation:** JCL has been submitted to back out or reinstate the Session Management Exit (SME). The SSCT has not been found.
- System action:** The SME function is rejected.
- User response:** Examine the JCL for the SME function. If the SSCT name is not specified, the default name PAS1 is assumed. If you need a different SSCT name in the JCL it should be specified as follows:
- //SWITCH EXEC PGM=AUSWITCH,REGION=4K,PARM='SSCT=*name*,SME=OFF'
- where *name* is the required SSCT name.

### CKSE3442-5 ACCESS DENIED - INVALID BYPASS TOKEN FLAG IN RACF USER PROFILE

- Explanation:** NC-PASS has extracted invalid data from RACF during the logon procedure. The data in this case is the BYPASS TOKEN FLAG. The administrator has specified that the logon procedure can not continue with invalid data.
- System action:** The user is logged off, and returned to the NC-PASS logo.
- User response:** End-users - consult your NC-PASS and RACF administrators.  
RACF administrator - change the BYPASS TOKEN FLAG specified in the RACF user profile to one of the following values:
- |   |  |
|---|--|
| Y | the bypass facility is enabled; the user will be allowed to log on once without using a token. |
| N | no bypass facility.  |

#### CKSE3444-5 ACCESS DENIED - TOKEN NOT ENABLED AT SYSTEM LEVEL

**Explanation:** NC-PASS has extracted data from RACF during the logon procedure. The data in this case is the TOKEN SERIAL NUMBER. The token type is not enabled at the system level and the token serial number is therefore regarded as invalid. The administrator has specified that the logon procedure can not continue with invalid data.

**System action:** The user is logged off and returned to the NC-PASS logo.

**User response:** End-users - consult your NC-PASS and RACF administrators.

NC-PASS/RACF administrator - examine the token serial number specified in the RACF user profile and the relevant token record on the NC-PASS CAF. The token record will be of a specific type, for example SecurID. Examine whether this token type is enabled at the system level using the TOKEN DIRECTORY panel which is available from the SYSTEM FUNCTION menu.

#### CKSE3446-8 type PROFILE *profilename* CONVERSION GENERATED DATE/TIME DEFINITION *defname*

**Explanation:** A user or terminal profile has been converted from an existing definition. The date and time information from the profile is no longer used, the risk profile performs this function instead, however the existing information has been saved to help the administration of risk profiles.

**System action:** The definition is saved.

**User response:** Study the saved definitions, and use these as required to customise the risk profile.

#### CKSE3447-4 CONVERSION FROM *versiona* TO *versionb* IN PROGRESS

**Explanation:** This is the first time that the database you are using has been used with *versionb*. The database is being converted from *versiona*.

**System action:** Database conversion is initiated.

**User response:** None.

#### CKSE3448-4 CONVERSION FROM *versiona* TO *versionb* COMPLETED SUCCESSFULLY

**Explanation:** This is the first time that the database you are using has been used with *versionb*. Conversion of the database has completed successfully.

**System action:** Database conversion is complete.

**User response:** None.

#### CKSE3449-3 CONVERSION FROM *versiona* TO *versionb* FAILED

**Explanation:** This is the first time that the database you are using has been used with *versionb*. Conversion of the database from *versiona* has failed.

**System action:** Database conversion terminates. The database may be in a corrupt state.

**User response:** Review the NCI log to determine the cause of the failure. If there is no obvious cause, such as the NC-PASS CAF being full, contact your local PassGo Technologies support office. The system will normally be restored to the backup taken before conversion.

#### CKSE3454-4 TOKEN UNASSIGNED BY RACF ACTION *type/serialno/userid*

**Explanation:** A token, serial number *serialno* has been successfully unassigned from user *userid*.

**System action:** Cross references that linked user *userid* with token *type/serialno* have been removed from the NC-PASS database. The author of the change to the token record is RACF.

**User response:** None.

#### CKSE3455-4 TOKEN ASSIGNED BY RACF ACTION *type/serialno/userid*

**Explanation:** Token type *type*, serial number *serialno* has been successfully assigned to user *userid*.

**System action:** A cross reference linking user *userid* with token *type/serialno* has been added to the NC-PASS database. The author of the change to the token record is RACF.

**User response:** None.

**CKSE3456-8 NEW PIN MUST BE NUMERIC BETWEEN 4 AND *n***

- Explanation:** You have made an entry in the new PIN field and it is not a number between 4 and *n*, the number of digits your token displays.
- System action:** None.
- User response:** Reenter the new PIN twice.

**CKSE3457-8 THE TWO NEW PIN ENTRIES DO NOT MATCH**

- Explanation:** You have made an entry in both new PIN fields and they do not match.
- System action:** None
- User response:** Reenter new PIN twice.

**CKSE3458 -4 PIN *n* SUCCESSFULLY UPDATED ON TOKEN SDP *serialno* BY *userid***

- Explanation:** A new PIN has been set for PIN number *n*.
- System action:** Logon completes.
- User response:** None.

**CKSE3459 -8 YOU ARE REQUIRED TO SET A PIN FOR THIS TOKEN**

- Explanation:** Your token has no PIN set and your system requires you to use one.
- System action:** None.
- User response:** Enter a PIN in the fields provided.

**CKSE3460-8 ENTER BOTH THE PRN AND THE NEW PIN FIELDS**

- Explanation:** Your token has no PIN set and your system requires you to use one.
- System action:** None.
- User response:** Enter a PIN in the fields provided.

**CKSE3462-9 INVALID CSA TIMEOUT PERIOD - USE VALUES 1 TO 3600**

- Explanation:** You have attempted to define a new CSA update period which is outside the permitted range of values.
- System action:** The new value is rejected.
- User response:** Specify a value in the range 1 through 3600.

**CKSE3463-8 DUPLICATE ENTRY - NOT ADDED**

- Explanation:** You have attempted to add an entry that already exists.
- System action:** The new entry is rejected.
- User response:** Investigate and enter corrected entry.

**CKSE3464-3 NO EXTERNAL SECURITY DATABASE ATTACHED**

- Explanation:** You have entered Y in the **Search external security database** field on the LOGON DEFAULTS panel but no external security database is available.
- System action:** The **Search external security database** field is set to N.
- User response:** If an external database is required, you must close NC-PASS, make the security database active and restart NC-PASS.

**CKSE3465-8 THIS OPTION ONLY VALID ON FIRST LINE**

- Explanation:** You have entered an option on the second or subsequent lines of a list panel and the option is only valid when used on the first line.
- System action:** None.
- User response:** Correct your entry.

#### **CKSE3466-8 NODENAME CONTAINS INVALID CHARACTERS**

**Explanation:** You have entered a nodename that contains invalid characters.

**System action:** None.

**User response:** Correct your entry.

#### **CKSE3468-4 MHO TRANSMIT NO. *num* TO *node*, *function type name***

**Explanation:** A transmission has been made to perform a *function* at the specified *node* on data *name* of the type specified. The *number* is used for the acknowledgement.

**System action:** The transmission is sent.

**User response:** Check the return code on the acknowledgement message CKSE3469.

#### **CKSE3469-4 MHO ACKNOWLEDGMENT NO. *nn*, RETURN CODE *xx***

**Explanation:** A transmission has been confirmed. The original transmission can be identified with message 3468 and the number *nn*. *xx* is the return code at the remote system.

**System action:** None.

**User response:** If the return code is not zero, check the log at the remote system for error messages.

#### **CKSE3470-4 MHO RECEIVE NO. *nn*, *ff*, *tt*, *name***

**Explanation:** A transmission has been made to perform function *ff* from another NC-PASS system (identified by the nodename as the terminal name in the log) on data *name* of type *tt*. The number *nn* is used for the acknowledgment.

**System action:** The function is processed.

**User response:** Check the return code on the acknowledgment message CKSE3476.

#### **CKSE3471-4 MHO ADMINISTRATION SME RULE *rulename* SAVED**

**Explanation:** A transmission has been made to save SME rule, *rulename*, from a remote NC-PASS system.

**System action:** The rule is saved.

**User response:** None.

#### **CKSE3472-4 MHO ADMINISTRATION SME GROUP *groupname* SAVED**

**Explanation:** A transmission has been made to save SME group *groupname* from a remote NC-PASS system.

**System action:** The group is saved.

**User response:** None.

#### **CKSE3473-4 MHO ADMINISTRATION DATE/TIME DEFINITION *defname* SAVED**

**Explanation:** A transmission has been made to save date/time definition *defname* from a remote NC-PASS system.

**System action:** The definition is saved.

**User response:** None.

#### **CKSE3474-4 MHO ADMINISTRATION SME RULE UPDATE NOT ALLOWED**

**Explanation:** A transmission has been made to save an SME rule from a remote NC-PASS system, but this is prohibited.

**System action:** The rule is not saved.

**User response:** None.

#### **CKSE3475-4 MHO ADMINISTRATION RULE LOAD NOT ALLOWED**

**Explanation:** A transmission has been made to load an SME rule from a remote NC-PASS system, but this is prohibited.

**System action:** The rule is not loaded.

**User response:** None.

**CKSE3476-4 MHO RECEIVE NO. *nn*, RETURN CODE *xx***

- Explanation:** A transmission has been made to a function from another NC-PASS system. The function has completed with return code *xx*. The number *nn* relates back to message CKSE3470.
- System action:** The acknowledgment is returned.
- User response:** If the return code is not zero check the log for error messages.

**CKSE3477-2 *function* DATA INVALID - HEX PRINT FOLLOWS**

- Explanation:** Function *function* has encountered invalid data.
- System action:** The invalid data is printed in the NCI log in character and hex format. The function will terminate.
- User response:** If the cause of the error is not apparent, contact your local PassGo Technologies support office.

**CKSE3478-8 ONLY Y, N OR \* IS PERMITTED**

- Explanation:** You have specified a character that is not permitted.
- System action:** None.
- User response:** Enter Y, N or an asterisk (\*).

**CKSE3479-9 RESTART OF *system* REQUESTED**

- Explanation:** A restart of communication *system* (MHO, APPC or XMS) has been requested.
- System action:** Attempts to restart *system*.
- User response:** None.

**CKSE3480-9 *nn* OF *tot* NODES SELECTED**

- Explanation:** The SELECT ALL NODES function has been used, and *nn* nodes have been selected out of a total available of *tot* (the number of nodes with the enable flag set to Y). The number *nn* is the number of nodes currently active.
- System action:** The selected nodes are marked.
- User response:** Check that the selected nodes are the ones you require, and continue.

**CKSE3481-4 MHO RULE RECEPTION OPTIONS CHANGED**

- Explanation:** You have updated the MHO rule reception options.
- System action:** The updated options are changed.
- User response:** None.

**CKSE3482-4 MHO ADMINISTRATION OPTIONS CHANGED**

- Explanation:** You have updated the MHO administration options.
- System action:** The updated options are saved.
- User response:** None.

**CKSE3483-4 MHO TRANSMISSION LOG PURGED**

- Explanation:** You have purged the MHO transmission log.
- System action:** The transmission log is purged.
- User response:** None.

**CKSE3484-4 MHO ADMINISTRATION NOT ALLOWED**

- Explanation:** The use of MHO administration has not been enabled. This is an overall administration option, and must be enabled before any MHO administration functions can be used.
- System action:** The use of MHO administration functions is prevented.
- User response:** Check the MHO administration options panel, and enable MHO administration if required.

#### CKSE3487-9 MHO RULE SAVE MUST BE Y TO ALLOW LOAD

**Explanation:** The load rule function is dependent on the save rule function. A rule has to be saved before it is loaded.

**System action:** None.

**User response:** If you want to use the load function, enable the save function.

#### CKSE3488-9 NO RECORDS FOUND FOR TOKEN LIST PANEL SELECTION CRITERIA

**Explanation:** You have attempted to print a token listing report from selection criteria which did not previously display any tokens.

**System action:** None.

**User response:** Re-enter the token list panel of your choice and modify the selection criteria. Any tokens displayed in the list will be subsequently available for printing.

#### CKSE3489-9 type LINK ESTABLISHED WITH *node* RUNNING *id* (*acbname*)

**Explanation:** A link of type *type* has been established with a remote MHO or APPC node, *node*, running NC-PASS version *id*.

**System action:** None.

**User response:** None.

#### CKSE3490-9 RULE TRANSMISSION CANCELLED

**Explanation:** You have attempted to transmit a rule to another NC-PASS system. This has been cancelled by an installation exit.

**System action:** The transmission is cancelled.

**User response:** Consult your system administrator.

#### CKSE3491-9 RULE TRANSMISSION TO *nodename* CANCELLED

**Explanation:** You have attempted to transmit a rule to another NC-PASS system, *nodename*. This has been cancelled by an installation exit.

**System action:** The transmission is cancelled from *nodename*.

**User response:** Consult your system administrator.

#### CKSE3492-9 RULE *function* FROM *nodename* CANCELLED

**Explanation:** A rule has been transmitted to this system, from another NC-PASS system, *nodename*. The function *function* was requested, this has been cancelled by an installation exit.

**System action:** Processing is terminated and a return code of 8 is sent to the originating NC-PASS.

**User response:** Consult your system administrator.

#### CKSE3493-4 USERID TRANSLATION TABLE UPDATED

**Explanation:** An administrator has updated the userid translation table.

**System action:** The changes are saved, and the modified table put into use.

**User response:** None.

#### CKSE3495-9 MHO RULE TRANSMISSION IMPOSSIBLE - NO TARGET NODES SELECTED

**Explanation:** You have attempted to transmit a rule without specifying to which NC-PASS system or systems it is to be sent.

**System action:** The transmission attempt is rejected.

**User response:** Correct and complete the procedure by specifying the target systems. To do this, press <F6> on the MHO RULE TRANSMISSION panel to display the MHO NODE SELECTION panel. Enter S against the required nodes or press <F2> to select all nodes.

#### CKSE3496-9 CRYPTOCARD PIN SETUP COMPLETED

**Explanation:** You have set up a PIN on a CRYPTOCard token. This has completed successfully.  
**System action:** None.  
**User response:** None.

#### CKSE3497-9 SAFE S220 PIN SETUP COMPLETED

**Explanation:** You have set up a PIN on an S220 token. This has completed successfully.  
**System action:** None.  
**User response:** None.

#### CKSE3498-4 RISK PROFILE LOADED

**Explanation:** An administrator has updated a risk profile.  
**System action:** The updated risk profile is saved and loaded for use.  
**User response:** None.

#### CKSE3499-8 INVALID RISK VALUE *value*

**Explanation:** The value entered is not valid for a risk profile. Values are entered in the format a,b where a is the authentication, and b the validation keyword. The keywords can be  
Y - Yes, N - No, D - Default (or blank)  
and for terminal risk profiles only  
F - Force, B - Bypass.  
**System action:** None.  
**User response:** Correct and reenter.

#### CKSE3500-8 INVALID ATTEMPT TO CHANGE PIN FOR *tokentype* TOKEN

**Explanation:** The PIN change function for SDP type tokens is being used to try to change the PIN for a different token (*tokentype*).  
**System action:** The pin change is cancelled.  
**User response:** Use the appropriate procedure to change the pin for your token.

#### CKSE3501-8 ENTER NUMERIC VALUE WITHIN RANGE SPECIFIED

**Explanation:** An administration panel has required the entry of a numeric value.  
**System action:** The value entered has been rejected due to the value either being outside the range specified or not being numeric.  
**User response:** Refer to the panel instructions for the entry field and re-enter an appropriate value.

#### CKSE3502-8 REPLACEMENT TOKEN TYPE MUST BE SDA, SDP OR \*

**Explanation:** The SecurID token replacement panel allows two types of replacement tokens to be specified, from which the list of free tokens displayed on the right of the panel will be created.  
**System action:** The value entered has been rejected due to not being a valid token replacement type.  
**User response:** Refer to the panel instructions. Valid entries are SDA, SDP or an asterisk (\*).

#### CKSE3508-4 TOKEN *type/oldser* REPLACEMENT ALLOCATED *type/newser*

**Explanation:** A token has been allocated as a replacement. The old token is identified as *type/oldser* and the new token is identified as *type/newser* (where *type* is the token type, *oldser* is the old serial number and *newser* is the new serial number).  
**System action:** None, until the user logs on with the new token. The new token is then assigned to the user and the old token is disabled.  
**User response:** None.

#### **CKSE3509-8 LINE COMMANDS REJECTED, SELECTION CONDITIONS HAVE CHANGED**

- Explanation:** The administrator has entered one or more line commands on a panel and has also changed the selection conditions for the data displayed in the panel.
- System action:** For this panel, conflicting instructions cannot be processed.
- User response:** Correct the entered fields and retry.

#### **CKSE3511-4 TOKEN *type/oser* REPLACEMENT FREED *type/reser***

- Explanation:** A token has been freed that was allocated as a replacement. The original token is identified as *type/oser* and the replacement token is identified as *type/reser* (where *type* is the token type, *oser* is the original serial number and *reser* is the replacement serial number).
- System action:** The token no longer has a replacement allocated.
- User response:** None.

#### **CKSE3512-4 CARD ALLOCATION COMPLETED *type/ser* TO *type/ser***

- Explanation:** The automatic allocation of tokens has completed. The range of token numbers affected is displayed (where *type* is the token type and *ser* is the serial number). Note that the serial numbers displayed are the first/lowest and last/highest updated. There may be tokens within this range that have not been updated. For confirmation of allocation to a particular token refer to the detailed audit messages.
- System action:** The tokens have replacements allocated.
- User response:** None.

#### **CKSE3513-2 CARD REPLACEMENT ALLOCATION TERMINATED ABNORMALLY**

- Explanation:** The automatic allocation of tokens has not completed successfully.
- System action:** Some of the tokens may have been allocated replacements, but others have not been completed.
- User response:** Examine the audit trail for the reason for the error.

#### **CKSE3515-4 CARD FREE COMPLETED *type/ser* TO *type/ser***

- Explanation:** The automatic freeing of tokens has completed. The range of token numbers affected is displayed (where *type* is the token type and *ser* is the serial number). Note that the serial numbers displayed are the first/lowest and last/highest updated. There may be tokens within this range that have not been freed. For confirmation of the freeing of a particular token refer to the detailed audit messages.
- System action:** The tokens no longer have replacements allocated.
- User response:** None.

#### **CKSE3516-2 CARD FREE TERMINATED ABNORMALLY**

- Explanation:** The automatic freeing of tokens has not completed successfully.
- System action:** Some of the tokens may have been freed, but others may have been left with allocated replacements.
- User response:** Examine the audit trail for the reason for the error.

#### **CKSE3517-4 CARD ALLOCATION REQUESTED *parameter***

- Explanation:** The automatic allocation of tokens has been requested. This message displays the parameter used.
- System action:** None. Message issued to provide audit trail.
- User response:** None.

#### **CKSE3518-4 CARD FREE REQUESTED *parameter***

- Explanation:** The automatic freeing of tokens has been requested. This message displays the parameter used.
- System action:** None. Message issued to provide audit trail.
- User response:** None.

#### CKSE3519-4 CARD REPLACEMENT FUNCTION TERMINATED - NO RECORDS SELECTED

- Explanation:** The automatic processing of tokens, either to provide replacements or to free replacements, has terminated because no records match the specified selection conditions.
- System action:** None.
- User response:** Examine the audit message and confirm the selection conditions.

#### CKSE3520-5 INVALID PRN FOR TOKEN *type/ser* RETRYING WITH *type/ser*

- Explanation:** A logon attempt with a token has failed. In the case of a SecurID token an invalid PRN has been entered (*type* is the token type and *ser* is the serial number).
- System action:** The token has a replacement allocated. The logon will continue by testing whether the PRN is valid for the replacement token.
- User response:** None.

#### CKSE3521-5 TOKEN *type/ser* NOT ACCEPTED AS REPLACEMENT FOR *type/ser*

- Explanation:** A logon attempt with a token failed. A replacement token was tried, but the validation for this token also failed (*type* is the token type and *ser* is the serial number).
- System action:** The logon attempt is rejected. The user remains assigned to the first token used.
- User response:** Contact your token administrator to ensure that the replacement token has been correctly prepared.

#### CKSE3522-7 TOKEN *type/ser* ACCEPTED AS A REPLACEMENT FOR *type/ser*

- Explanation:** A logon attempt with a token failed. A replacement token was tried and accepted.
- System action:** The logon attempt is accepted. The user or users assigned to the first token will be assigned to the replacement token.
- User response:** The user or users are now assigned to the replacement token, which must be used from now on.

#### CKSE3523-4 CONVERSION OF *record* TO *n.nn* FORMAT IN PROGRESS

- Explanation:** The system is a new one and during its first startup is updating the database to the latest format. This may take some time, depending on the number of records in the database.
- System action:** Conversion continues.
- User response:** None. This message is issued for information purposes only.

#### CKSE3525-5 ACCESS DENIED - INVALID RISK DATA IN RACF USER PROFILE

- Explanation:** The administrator has prepared the NC-PASS system so that it will use the facility to extract user profile data from RACF during the log on procedure. The data in this case is the 'risk data' displayed on the USER RISK PROFILE panel.
- System action:** The administrator has set the LOGON DEFAULTS panel flags as follows:
- Informational messages are to be displayed at log on.
  - The log on procedure is not to continue if invalid risk data is specified in the RACF user profile.
- The user is logged off, and will be returned to the NC-PASS logo.
- User response:** Consult your NC-PASS and RACF administrators. The RACF administrator must correct the risk data specified in the RACF user profile. It must be in the format:
- RISK=*a/b/c/d/e/f*
- where *a,b,c,d,e* and *f* represent the six columns of risk data displayed on the USER RISK PROFILE panel. Example risk data values are: 'Y,Y' and 'LOCK'.

#### CKSE3535-5 USER EXEC ENDED WITH RC GREATER THAN 4095

- Explanation:** An unexpected error has occurred in TLI processing, an illegal return code was produced.
- System action:** The request fails.
- User response:** Contact your local PassGo support office.

#### **CKSE3536-5 SYNCHRONOUS TIMEOUT EXPIRED - TOKEN IN R0**

- Explanation:** A transaction has timed out, this is usually due to the system being busy.
- System action:** The request fails.
- User response:** If the timeout is not long enough, it should be increased. If this does not cure the problem, check the system is not being degraded by anything else.

#### **CKSE3537-5 XMDIALOG ABENDED - ABEND CODE IN R0**

- Explanation:** An unexpected error has occurred in TLI processing, an abend has occurred.
- System action:** The request fails.
- User response:** Check the TLI coding for errors, examine the NCI log and console for error messages. If the cause is not apparent, contact your local PassGo support office.

#### **CKSE3538-5 TIMEOUT EXPIRED BUT REQUEST NOT PURGED, NO FREE ELEMENTS**

- Explanation:** There are no free XM storage queue elements. This can be caused by a job that issues OPTCD=ASY requests with no corresponding receives or purges.
- System action:** The request fails.
- User response:** Alter XMOPTION to specify more storage elements and restart the XMS system or reduce the number of concurrent outstanding requests.

#### **CKSE3539-5 TIMEOUT EXPIRED BUT REQUEST NOT PURGED, ELEMENT NOT FOUND**

- Explanation:** The element to be received or purged was not found. An outstanding request (purge) or result (receive) for the jobstep which issued the XMDIALOG macro could not be found for the given token, if one was specified, or for any token if not.
- System action:** The request fails.
- User response:** If the request has not yet been processed, retry the purge later.

#### **CKSE3540-5 TIMEOUT EXPIRED BUT REQUEST NOT PURGED, XMPOST IN PROGRESS**

- Explanation:** Not fast purged as XMPOST was in progress.
- System action:** The request fails.
- User response:** Try the purge or receive later.

#### **CKSE3541-5 TIMEOUT EXPIRED BUT REQUEST NOT PURGED - INTERNAL ERROR**

- Explanation:** Bad PC function code, internal error.
- System action:** The request fails.
- User response:** Contact your local PassGo support office.

#### **CKSE3542-5 TIMEOUT EXPIRED BUT REQUEST NOT PURGED, XMS SYSTEM NOT AVAILABLE**

- Explanation:** The specified XMS system was not available.
- System action:** The request fails.
- User response:** Ensure the correct XMS system is used, and that the XMS system is started.

#### **CKSE3543-5 XM SYSTEM ID SPECIFIED NOT STARTED, NO FREE ELEMENTS**

- Explanation:** No free XM storage queue elements. This can be caused by a job that issued OPTCD=ASY requests with no corresponding receives or purges.
- System action:** The request fails.
- User response:** Alter XMOPTION to specify more storage elements and restart the XMS system or reduce the number of concurrent outstanding requests.

#### **CKSE3544-5 XM SYSTEM ID SPECIFIED NOT STARTED, ELEMENT NOT FOUND**

- Explanation:** The element to be received or purged was not found. An outstanding request (purge) or result (receive) for the jobstep which issued the XMDIALOG macro could not be found for the given token, if one was specified, or for any token if not.
- System action:** The request fails.
- User response:** If the request has not been processed yet, retry the purge later.

#### **CKSE3545-5 XM SYSTEM ID SPECIFIED NOT STARTED, XMPOST IN PROGRESS**

- Explanation:** Not fast purged as XMPOST was in progress.
- System action:** The request fails.
- User response:** Try the purge or receive later.

#### **CKSE3546-5 XM SYSTEM ID SPECIFIED NOT STARTED, INTERNAL ERROR**

- Explanation:** Bad PC function code, internal error.
- System action:** The request fails.
- User response:** Contact your local PassGo support office.

#### **CKSE3547-5 XM SYSTEM ID SPECIFIED NOT STARTED, XMS SYSTEM NOT AVAILABLE**

- Explanation:** The specified XMS system was not available.
- System action:** The request fails.
- User response:** Ensure the correct XMS system is used, and that the XMS system is started.

#### **CKSE3548-5 ERROR ON SYN REQUEST, NO FREE ELEMENTS**

- Explanation:** No free XM storage queue elements. This can be caused by a job that issues OPTCD=ASY requests with no corresponding receives or purges.
- System action:** The request fails.
- User response:** Alter XMOPTION to specify more storage elements and restart the XMS system or reduce the number of concurrent outstanding requests.

#### **CKSE3549-5 ERROR ON SYN REQUEST, ELEMENT NOT FOUND**

- Explanation:** The element to be received or purged was not found. An outstanding request (purge) or result (receive) for the jobstep which issued the XMDIALOG macro could not be found for the given token (if one was specified), or with any token if not.
- System action:** The request fails.
- User response:** If the request has not yet been processed, retry the purge later.

#### **CKSE3550-5 ERROR ON SYN REQUEST, XMPOST IN PROGRESS**

- Explanation:** Not fast purged as XMPOST was in progress.
- System action:** The request fails.
- User response:** Try the purge or receive later.

#### **CKSE3551-5 ERROR ON SYN REQUEST, INTERNAL ERROR**

- Explanation:** Bad PC function code, internal error.
- System action:** The request fails.
- User response:** Contact your local PassGo support office.

#### **CKSE3552-5 ERROR ON SYN REQUEST, XMS SYSTEM NOT AVAILABLE**

- Explanation:** XMS system specified was not available.
- System action:** The request fails.
- User response:** Ensure the correct XMS name is used and that the XMS system is started.

#### **CKSE3553-5 ERROR ON ASY REQUEST, NO FREE ELEMENTS**

- Explanation:** No free XM storage queue elements. This can be caused by a job that issues OPTCD=ASY requests with no corresponding receives or purges.
- System action:** The request fails.
- User response:** Alter XMOPTION to specify more storage elements and restart the XMS system or reduce the number of concurrent outstanding requests.

#### **CKSE3554-5 ERROR ON ASY REQUEST, ELEMENT NOT FOUND**

- Explanation:** The element to be received or purged was not found. An outstanding request (purge) or result (receive) for the jobstep which issued the XMDIALOG macro could not be found for the given token, if one was specified, or for any token if not.
- System action:** The request fails.
- User response:** If the request has not yet been processed, retry the purge later.

#### **CKSE3555-5 ERROR ON ASY REQUEST, XMPOST IN PROGRESS**

- Explanation:** Not fast purged as XMPOST was in progress.
- System action:** The request fails.
- User response:** Try the purge or receive later.

#### **CKSE3556-5 ERROR ON ASY REQUEST, INTERNAL ERROR**

- Explanation:** Bad PC function code, internal error.
- System action:** The request fails.
- User response:** Contact your local PassGo support office.

#### **CKSE3557-5 ERROR ON ASY REQUEST, XMS SYSTEM NOT AVAILABLE**

- Explanation:** The XMS system specified was not available.
- System action:** The request fails.
- User response:** Ensure the correct XMS name is used and that the XMS system is started.

#### **CKSE3558-5 ERROR ON NOREPLY REQUEST, NO FREE ELEMENTS**

- Explanation:** No free XM storage queue elements. This can be caused by a job that issues OPTCD=ASY requests with no corresponding receives or purges.
- System action:** The request fails.
- User response:** Alter XMOPTION to specify more storage elements and restart the XMS system or reduce the number of concurrent outstanding requests.

#### **CKSE3559-5 ERROR ON NOREPLY REQUEST, ELEMENT NOT FOUND**

- Explanation:** The element to be received or purged was not found. An outstanding request (purge) or result (receive) for the jobstep which issued the XMDIALOG macro could not be found for the given token, if one was specified, or for any token if not.
- System action:** The request fails.
- User response:** If the request has not yet been processed, retry the purge later.

#### **CKSE3560-5 ERROR ON NOREPLY REQUEST, XMPOST IN PROGRESS**

- Explanation:** Not fast purged as XMPOST was in progress.
- System action:** The request fails.
- User response:** Try the purge or receive later.

#### **CKSE3561-5 ERROR ON NOREPLY REQUEST, INTERNAL ERROR**

- Explanation:** Bad PC function code, internal error.
- System action:** The request fails.
- User response:** Contact your local PassGo support office.

#### **CKSE3562-5 ERROR ON NOREPLY REQUEST, XMS SYSTEM NOT AVAILABLE**

- Explanation:** The XMS system specified was not available.
- System action:** The request fails.
- User response:** Ensure the correct XMS name is used and that the XMS system is started.

#### **CKSE3563-5 ERROR ON NOREPLY REQUEST, NO FREE ELEMENTS**

- Explanation:** No free XM storage queue elements. This can be caused by a job that issues OPTCD=ASY requests with no corresponding receives or purges.
- System action:** The request fails.
- User response:** Alter XMOPTION to specify more storage elements and restart the XMS system or reduce the number of concurrent outstanding requests.

#### **CKSE3564-5 ERROR ON RECEIVE SPECIFIC TOKEN REQUEST, ELEMENT NOT FOUND**

- Explanation:** The element to be received or purged was not found. An outstanding request (purge) or result (receive) for the jobstep which issued the XMDIALOG macro could not be found for the given token, if one was specified, or for any token if not.
- System action:** The request fails.
- User response:** If the request has not yet been processed, retry the purge later.

#### **CKSE3565-5 ERROR ON RECEIVE SPECIFIC TOKEN REQUEST, XMPOST IN PROGRESS**

- Explanation:** Not fast purged as XMPOST was in progress.
- System action:** The request fails.
- User response:** Try the purge or receive later.

#### **CKSE3566-5 ERROR ON RECEIVE SPECIFIC TOKEN REQUEST, INTERNAL ERROR**

- Explanation:** Bad PC function code, internal error.
- System action:** The request fails.
- User response:** Contact your local PassGo support office.

#### **CKSE3567-5 ERROR ON RECEIVE SPECIFIC TOKEN REQUEST, XMS SYSTEM NOT AVAILABLE**

- Explanation:** XMS system specified was not available.
- System action:** The request fails.
- User response:** Ensure the correct XMS name is used and that the XMS system is started.

#### **CKSE3568-5 ERROR ON RECEIVE ANY TOKEN REQUEST, NO FREE ELEMENTS**

- Explanation:** No free XM storage queue elements. This can be caused by a job that issues OPTCD=ASY requests with no corresponding receives or purges.
- System action:** The request fails.
- User response:** Alter XMOPTION to specify more storage elements and restart the XMS system or reduce the number of concurrent outstanding requests.

#### **CKSE3569-5 ERROR ON RECEIVE ANY TOKEN REQUEST, ELEMENT NOT FOUND**

- Explanation:** The element to be received or purged was not found. An outstanding request (purge) or result (receive) for the jobstep which issued the XMDIALOG macro could not be found for the given token, if one was specified, or for any token if not.
- System action:** The request fails.
- User response:** If the request has not yet been processed, retry the purge later.

#### **CKSE3570-5 ERROR ON RECEIVE ANY TOKEN REQUEST, XMPOST IN PROGRESS**

- Explanation:** Not fast purged as XMPOST was in progress.
- System action:** The request fails.
- User response:** Try the purge or receive later.

#### **CKSE3571-5 ERROR ON RECEIVE ANY TOKEN REQUEST, INTERNAL ERROR**

- Explanation:** Bad PC function code, internal error.  
**System action:** The request fails.  
**User response:** Contact your local PassGo support office.

#### **CKSE3572-5 ERROR ON RECEIVE ANY TOKEN REQUEST, XMS SYSTEM NOT AVAILABLE**

- Explanation:** XMS system specified was not available.  
**System action:** The request fails.  
**User response:** Ensure the correct XMS name is used and that the XMS system is started.

#### **CKSE3573-5 SPECIFIC TOKEN PURGE NOT DONE, NO FREE ELEMENTS**

- Explanation:** No free XM storage queue elements. This can be caused by a job that issues OPTCD=ASY requests with no corresponding receives or purges.  
**System action:** The request fails.  
**User response:** Alter XMOPTION to specify more storage elements and restart the XMS system or reduce the number of concurrent outstanding requests.

#### **CKSE3574-5 SPECIFIC TOKEN PURGE NOT DONE, ELEMENT NOT FOUND**

- Explanation:** The element to be received or purged was not found. An outstanding request (purge) or result (receive) for the jobstep which issued the XMDIALOG macro could not be found for the given token, if one was specified, or for any token if not.  
**System action:** The request fails.  
**User response:** If the request has not yet been processed, retry the purge later.

#### **CKSE3575-5 SPECIFIC TOKEN PURGE NOT DONE, XMPOST IN PROGRESS**

- Explanation:** Not fast purged as XMPOST was in progress.  
**System action:** The request fails.  
**User response:** Try purge or receive later.

#### **CKSE3576-5 SPECIFIC TOKEN PURGE NOT DONE, INTERNAL ERROR**

- Explanation:** Bad PC function code. Internal error.  
**System action:** The request fails.  
**User response:** Contact your local PassGo support office.

#### **CKSE3577-5 SPECIFIC TOKEN PURGE NOT DONE, XMS SYSTEM NOT AVAILABLE**

- Explanation:** XMS system specified was not available.  
**System action:** The request fails.  
**User response:** Ensure the correct XMS name is used, and that the XMS system is started.

#### **CKSE3578-5 PURGE ANY NOT DONE, NO FREE ELEMENTS**

- Explanation:** No free XM storage queue elements. This can be caused by a job that issues OPTCD=ASY requests with no corresponding receives or purges.  
**System action:** The request fails.  
**User response:** Alter XMOPTION to specify more storage elements and restart the XMS system or reduce the number of concurrent outstanding requests.

#### **CKSE3579-5 PURGE ANY NOT DONE, ELEMENT NOT FOUND**

- Explanation:** The element to be received or purged was not found. An outstanding request (purge) or result (receive) for the jobstep which issued the XMDIALOG macro could not be found for the given token, if one was specified, or for any token if not.  
**System action:** The request fails.  
**User response:** If the request has not yet been processed, retry the purge later.

#### **CKSE3580-5 PURGE ANY NOT DONE, XMPOST IN PROGRESS**

- Explanation:** Not fast purged as XMPOST was in progress.  
**System action:** The request fails.  
**User response:** Try purge or receive later.

#### **CKSE3581-5 PURGE ANY NOT DONE, INTERNAL ERROR**

- Explanation:** Bad PC function code, internal error.  
**System action:** The request fails.  
**User response:** Contact your local PassGo support office.

#### **CKSE3582-5 PURGE ANY NOT DONE, XMS SYSTEM NOT AVAILABLE**

- Explanation:** XMS system specified was not available.  
**System action:** The request fails.  
**User response:** Ensure the correct XMS name is used, and that the XMS system is started.

#### **CKSE3583-9 DUPLICATE FIELD NOT ALLOWED - *field* IS ALSO SELECTED**

- Explanation:** An administrator has performed one of the following invalid actions from within the FIELD LIST panel: an attempt has been made to either select two or more alias fields that refer to the same real VSSE field or to select both an alias field and the real VSSE field that it refers to.  
**System action:** The selections are ignored.  
**System action:** Select either the real VSSE field name or one of the alias names provided.

#### **CKSE3584-8 REQUIRED PARAMETER *parm* NOT SUPPLIED**

- Explanation:** The parameter, *parm*, is required, but has not been supplied.  
**System action:** The requested function is stopped.  
**User response:** Ensure all required parameters are supplied.

#### **CKSE3585-4 APPC REQUEST REJECTED BY USER EXIT 40**

- Explanation:** User exit 40 has rejected an APPC request. The reasons for the rejection will be in the code for the exit.  
**System action:** None.  
**User response:** Look at the code in user exit 40 to determine the cause of the failure.

#### **CKSE3586-8 AUTHENTICATION KEYWORD IGNORED**

- Explanation:** The authentication keyword in the risk profile has been specified, but is not used as this system does not support authentication.  
**System action:** The keywords are saved, but only the validation keyword will be used.  
**User response:** If authentication is required, contact your local PassGo Technologies office.

#### **CKSE3599-5 TOKEN REQUIRED**

- Explanation:** An enquiry to NC-PASS has shown that, for a given userid, token authentication is required.  
**System action:** None.  
**User response:** None.

#### **CKSE3600-5 PASSWORD AND TOKEN REQUIRED**

- Explanation:** An enquiry to NC-PASS has shown that, for a given userid, token and password authentication is required.  
**System action:** None.  
**User response:** None.

#### **CKSE3601-5 TOKEN AND REGISTRATION REQUIRED**

- Explanation:** An enquiry to NC-PASS has shown that, for a given userid, token authentication is required. The user must also use the self registration procedure.
- System action:** None.
- User response:** None.

#### **CKSE3602-5 PASSWORD, TOKEN AND REGISTRATION REQUIRED**

- Explanation:** An enquiry to NC-PASS has shown that, for a given userid, password and token authentication is required. The user must also use the self registration procedure.
- System action:** None.
- User response:** None.

#### **CKSE3603-5 PASSWORD REQUIRED**

- Explanation:** An enquiry to NC-PASS has shown that, for a given userid, password verification is required.
- System action:** None.
- User response:** None.

#### **CKSE3604-5 PASSWORD NOT REQUIRED FOR USER *userid***

- Explanation:** An attempt to update the password for user *userid* has failed because the user profile field has a password validation field of 'none'.
- System action:** None.
- User response:** Contact your NC-PASS administrator.

#### **CKSE3605-7 VALID RESPONSE FOR SECURENET KEY**

- Explanation:** Validation of a SecureNet Key response was successful.
- System action:** None.
- User response:** None.

#### **CKSE3606-7 VALID RESPONSE FOR CRYPTOCARD**

- Explanation:** Validation of a CRYPTOCARD response was successful.
- System action:** None.
- User response:** None.

#### **CKSE3607-7 VALID RESPONSE FOR SAFE S220**

- Explanation:** Validation of a Safe S220 response was successful.
- System action:** None.
- User response:** None.

#### **CKSE3609-2 JOB TERMINATED ABNORMALLY DUE TO ACB NAME NOT SUPPLIED**

- Explanation:** The NC-PASS job has terminated abnormally during startup. In this instance it is because the ACB name has not been supplied.
- System action:** The job shuts down.
- User response:** Confirm that a startup option to provide an ACB name has been correctly entered in the job JCL. The correct syntax is: ACBNAME=aaaaaaa. After correcting the startup option, resubmit the job.

#### **CKSE3611-8 Both console destinations selected - please choose**

- Explanation:** You have requested messages to be routed to both Console and Console No-Delete. This would result in 2 copies of the same message being output
- System action:** Waits for correction.
- User response:** Choose which destination you require.

#### **CKSE3612-4 NC-PASS VERSION *version-num* type**

**Explanation:** NC-PASS has started up running version *version-num* with features according to *type*.

**System action:** Processing continues.

**User response:** None.

#### **CKSE3613-3 NC-PASS INVALID CODE COMBINATION *code-list***

**Explanation:** The code used to start NC-PASS is for an invalid set of subproducts, as listed in *code-list*.

**System action:** The system will shut down.

**User response:** Ensure the correct code is in use and contact your local support office if the problem persists.

#### **CKSE3614-3 *node* RUNNING *appl* REJECTED, NOT AUTHORIZED**

**Explanation:** Communication from *node* has been rejected as application *appl* is not authorized.

**System action:** Communication with the application is rejected.

**User response:** Run an authorized application, or obtain authorization.

#### **CKSE3618-4 APPC RESTARTING WITH NEW NODE**

**Explanation:** The VTAM nodename for APPC was amended while APPC was active. APPC is restarting.

**System action:** APPC terminates and is automatically restarted with the new node.

**User response:** None.

#### **CKSE3625-5 RACF IS NOT AVAILABLE**

**Explanation:** An activity has been initiated that requires communication with RACF. For example, NC-PASS may request that a password for a userid must be confirmed as valid by RACF.

**System action:** The activity will fail.

**User response:** Consult your NC-PASS administrator, who should check his system preparation.

#### **CKSE3626-7 USERID *userid1* NETWORK *network* TRANSLATED TO *userid2***

**Explanation:** This is an information message, issued when a userid (*userid1*) has been successfully translated (to *userid2*).

**System action:** None.

**User response:** None.

#### **CKSE3627-4 USERID TRANSLATION PARAMETERS UPDATED**

**Explanation:** The administrator has changed the parameters used by the userid translation facility.

**System action:** Userid translation performed, for example when a user logs on or is authenticated via an APPC link, will process according to the new parameters.

**User response:** None.

#### **CKSE3628-4 USERID TRANSLATION DEFAULT VALUE *n***

**Explanation:** The administrator has assigned a default value, *n*, to a userid translation parameter. This is performed by positioning the cursor on the required field and pressing a PF key. This facility is provided for convenience. (*n* is the specific default value assigned.)

**System action:** The userid translation parameter is modified.

**User response:** None.

#### **CKSE3629-8 POSITION CURSOR ON FIELD TO BE PROCESSED**

**Explanation:** You have attempted to use a product feature within a displayed panel that requires the cursor to be correctly positioned within a displayed field. The cursor is incorrectly positioned, so processing of the field cannot be performed.

**System action:** None.

**User response:** Position the cursor correctly and retry.

#### **CKSE3630-8 INVALID CLASS NAME, PLEASE CORRECT AND RE-ENTER**

- Explanation:** The administrator has entered an invalid Class name. For example, this could be a RACF Class name in the user translation facility.
- System action:** The Class name will not be used.
- User response:** Correct and re-enter the Class name. If it is a RACF Class name, consult the relevant RACF manual.

#### **CKSE3631-8 EXTERNAL USERID TRANSLATION NOT AVAILABLE WITH *system***

- Explanation:** This message is issued when an administrator attempts to use the EXTERNAL USERID TRANSLATION panel and this level of the product does not permit use of the security system stated in *system*, for example, CA-ACF2.
- System action:** The administrator is returned to the menu, the panel is not displayed.
- User response:** External UserID translation provides translation of specific userids. Generic translation is available and you can maintain it using the REMOTE USERID TRANSLATION panel.

#### **CKSE3637-5 USERID *userid* NETWORK *network* EXTERNAL TRANSLATION FAILED**

- Explanation:** A userid translation attempt using an external translation table, stored for example on RACF, has failed.
- System action:** None.
- User response:** Examine the userid, *userid* and network id, *network*, and check they have entries in the externally stored translation table. If not, amend the table accordingly. Alternatively this could be caused by the incorrect specification of a keyword in an Installation Data field in RACF. If so, correct this.

#### **CKSE3638-5 EXTERNAL USERID TRANSLATION FAILURE *system***

- Explanation:** This message is issued when a userid translation attempt has failed, using an external translation table stored, for example, in RACF. This failure was due to a severe error and not, for example, due to a userid missing from a translation table.
- System action:** The userid is not translated.
- User response:** Consult your NC-PASS and RACF administrators. The NC-PASS administrator may need to contact the local support office.

#### **CKSE3639-2 TCP/IP STARTUP OF NC-MHO SUBSYSTEM FAILED (RC=*nn*)**

- Explanation:** This message is issued when an attempt to provide a subsystem component has failed. This component is an essential part of the NC-PASS support for TCP/IP processing.
- Return codes:
- 4 - parameter error.
  - 8 - parameter error.
  - 12 - the maximum number of environment subsystems, (9,999) has been exceeded.
  - 16 - MHOOPEN activity within MHOSTART has failed, see the NCI log for further details.
- System action:** The NC-MHO subsystem was not started, therefore TCP/IP processing feature is not available.
- User response:** Contact your local support office.

#### **CKSE3640-4 TCP/IP STARTUP OF NC-MHO SUBSYSTEM SUCCESSFUL**

- Explanation:** This message is issued when an NC-MHO subsystem has been successfully started. This component is an essential part of the NC-PASS support for TCP/IP processing.
- System action:** The NC-MHO subsystem starts and preparation of the TCP/IP processing feature continues.
- User response:** None.

#### CKSE3641-2 TCP/IP STARTUP OF PROTOCOL HANDLER FAILED (RC=*nn*)

**Explanation:** This message is issued when an attempt to provide a protocol handler during the startup of TCP/IP processing has failed.

Return codes:

- 4 - this protocol handler is already open.
- 8 - no system TCP/IP environment was available.
- 16 - failure to start subsystem. Examine the NCI log which will contain further details.
- 20 - open protocol handler attempt has timed out. (A possible cause is that the TCP/IP jobname used by NC-PASS does not match the actual TCP/IP jobname set by the TCP/IP administrator. Refer to the TNL entitled *The NC-PASS TCP/IP interface*, reference PH202.TNL003 for details.)
- 24 - parameter missing. For Sockets protocol an essential command has not been issued. Contact your local support office.
- 28 - a protocol handler already exists for this protocol type.

**System action:** Protocol handler was not opened, therefore TCP/IP processing feature is not available.

**User response:** Consult your NC-PASS manual, and possibly contact your local support office.

#### CKSE3642-4 TCP/IP STARTUP OF PROTOCOL HANDLER SUCCESSFUL

**Explanation:** The protocol handler for TCP/IP has been started successfully.

**System action:** The protocol handler is available for use.

**User response:** None.

#### CKSE3643-2 TCP/IP UPDATE OF SYNONYM LIST FAILED (NODE=*node*, POR=*port*, RC=*n*)

**Explanation:** This message is issued when NC-PASS has attempted to define the name of a Sockets application within the list of synonyms that is required for TCP/IP support, where *node* is the name given to an NC-MHO using the Sockets Interface and *port* is the port number. The return code, *n*, will be 4, meaning 'Invalid parameters'.

**System action:** The synonym list was not prepared, therefore TCP/IP processing can not occur.

**User response:** Contact your local PassGo Technologies support office.

#### CKSE3644-4 TCP/IP UPDATE OF SYNONYM LIST SUCCESSFUL (NODE=*node*, POR=*port*)

**Explanation:** This message is issued when NC-PASS has defined the name of a Sockets application within the list of synonyms that is required for TCP/IP support, where *node* is the name given to an NC-MHO using the Sockets Interface and *port* is the port number.

**System action:** The synonym list was prepared, therefore preparation of TCP/IP processing continues.

**User response:** None.

#### CKSE3645-2 TCP/IP MODIFICATION OF SOCKET TO LISTEN MODE FAILED (SOCKET=*socket*, RC=*nn*)

**Explanation:** This message is issued when the NC-PASS system has attempted to convert the named Socket from active to passive, but has failed. As a passive Socket it would have been available within NC-PASS to receive incoming TCP/IP communications.

*socket* = the Socket number.

*nn* = 4 invalid parameters.

8 task entry not found.

12 Socket already connected.

**System action:** The Socket is not available in passive mode. The TCP/IP processing feature is not available.

**User response:** Contact your local PassGo Technologies support office.

#### CKSE3646-4 TCP/IP MODIFICATION OF SOCKET TO LISTEN MODE SUCCESSFUL (SOCKET=*socket*)

**Explanation:** This message is issued when NC-PASS successfully converts the named Socket from an active to passive state. As a passive Socket it is available within NC-PASS to receive incoming TCP/IP communications.

**System action:** The Socket is available in passive mode, therefore the TCP/IP processing feature is available.

**User response:** None.

#### **CKSE3647-4 TCP/IP STARTUP OF SYSTEM SUCCESSFUL (INT=*netaddr*, POR=*port*)**

**Explanation:** This message is issued when the TCP/IP subsystem is started successfully.

**System action:** The TCP/IP processing feature is available.

**User response:** None.

#### **CKSE3648-2 TCP/IP TERMINATION OF NC-MHO SUBSYSTEM FAILED (RC=*nn*)**

**Explanation:** This message is issued when the administrator has attempted to terminate an NC-MHO subsystem environment. This environment is a component of the TCP/IP feature within the product. The return code, *nn*, will be set to one of the following values:

4 warning, subsystem already terminated.

8 function has timed out.

12 parameter error.

**System action:** The subsystem does not close.

**User response:** If the return code is 8, retry; if 4 or 12, contact your local PassGo Technologies support office.

#### **CKSE3649-4 TCP/IP TERMINATION OF NC-MHO SUBSYSTEM SUCCESSFUL**

**Explanation:** This message is issued when the administrator has terminated an NC-MHO subsystem environment. This environment is a component of the TCP/IP feature within the product.

**System action:** The subsystem is closed.

**User response:** None.

#### **CKSE3650-2 TCP/IP TERMINATION OF PROTOCOL HANDLER FAILED (PROTOCOL=*handler*, RC=*nn*)**

**Explanation:** This message is issued when the administrator has failed in an attempt to terminate a protocol handler. This is a component of the TCP/IP feature within the product. *handler* is the local protocol handler node application name. The return code will be set to one of the following values:

4 invalid parameter - system error.

8 function has timed out.

12 no protocol handler found.

**System action:** The protocol handler does not terminate.

**User response:** If the return code is 8, retry; if 4 or 12, contact your local PassGo Technologies support office.

#### **CKSE3651-4 TCP/IP TERMINATION OF PROTOCOL HANDLER SUCCESSFUL (PROTOCOL=*handler*)**

**Explanation:** This message is issued when the administrator has terminated a protocol handler successfully. This is a component of the TCP/IP feature within the product. *handler* is the local protocol handler node application name.

**System action:** The protocol handler terminates.

**User response:** None.

#### **CKSE3652-4 TCP/IP HOST FUNCTIONS UPDATED**

**Explanation:** The administrator has amended the TCP/IP host function. This will affect TCP/IP processing.

**System action:** The updated TCP/IP host functions will be stored in the CAF.

**User response:** None.

#### **CKSE3653-8 TCP/IP SYSTEM NOT STARTED**

**Explanation:** Either the administrator has attempted to restart the TCP/IP system which was not already started, or he has used the TCP/IP LINK STATUS panel.

**System action:** None.

**User response:** None.

**CKSE3654-4 TCP/IP PORT NUMBER DEFAULT USED (POR=*port*)**

- Explanation:** This message is issued when the administrator has not provided a port number. A port number is essential for TCP/IP processing.
- System action:** The default port number, *port*, is used.
- User response:** None.

**CKSE3655-8 TCP/IP PORT NUMBER NOT PERMITTED (RANGE=*porta* - *portb*)**

- Explanation:** The administrator has supplied a port number outside the permitted range (*porta* through *portb*).
- System action:** None.
- User response:** Correct the port number and retry.

**CKSE3659-2 TCP/IP SOCKET ALLOCATION FAILED (SOCKET=*socket*, RC=*nn*)**

- Explanation:** This message is issued when the NC-PASS system has attempted to allocate a Socket during the startup of the TCP/IP environment in NC-PASS, but failed.
- socket* = the Socket number.
- nn* = 4 invalid parameter.
- 8 task entry not found.
- 12 Socket already connected.
- System action:** The Socket is not available. The TCP/IP processing feature is not available.
- User response:** Contact your local PassGo Technologies support office.

**CKSE3660-4 TCP/IP SOCKET ALLOCATION SUCCESSFUL (SOCKET=*socket*)**

- Explanation:** NC-PASS has allocated Socket number *socket* successfully. It will be available within NC-PASS to support TCP/IP communications.
- System action:** The Socket is available.
- User response:** None.

**CKSE3661-2 TCP/IP BIND SOCKET TO PORT FAILED (SOCKET=*socket*, POR=*port*, RC=*nn*)**

- Explanation:** This message is issued when the system has attempted to bind a Socket to a port to support TCP/IP communication, but failed.
- System action:** The TCP/IP processing feature is not available.
- User response:** Report the return code, *nn*, to your local PassGo Technologies support office.

**CKSE3662-4 TCP/IP BIND SOCKET TO PORT SUCCESSFUL (SOCKET=*socket*, POR=*port*)**

- Explanation:** This message is issued when the system has successfully bound a Socket to a port to support TCP/IP communications.
- System action:** Startup of the TCP/IP processing feature continues.
- User response:** None.

**CKSE3663-2 TCP/IP ACCEPT INCOMING CONNECT OPERATION FAILED (SOCKET=*socket*, INT=*netaddr*, POR=*port*, RC=*nn*)**

- Explanation:** This message is issued when the system has attempted to prepare the TCP/IP system to accept incoming CONNECT communications.
- System action:** The TCP/IP processing feature is not available.
- User response:** Report the return code, *nn*, to your local PassGo Technologies support office.

**CKSE3664-4 TCP/IP ACCEPT INCOMING CONNECT OPERATION SUCCESSFUL (SOCKET=*socket*, INT=*netaddr*, POR=*port*)**

- Explanation:** This message is issued when the system has prepared the TCP/IP system to accept incoming CONNECT communications.
- System action:** The TCP/IP processing continues.
- User response:** None.

**CKSE3665-3 TCP/IP UNNECESSARY HANDSHAKE (INT=*netaddr*,POR=*port*,APP=*appl*,CLI=*client*)**

- Explanation:** A TCP/IP client has sent a handshake communication to the server product unnecessarily. The client is already connected, and has been allocated a socket.
- System action:** None.
- User response:** Inform client of unnecessary action.

**CKSE3666-2 TCP/IP INVALID PASSWORD, REJECTED (INT=*netaddr*,POR=*port*,APP=*appl*,CLI=*client*)**

- Explanation:** A TCP/IP Client has sent a handshake communication to the server product. The NC-PASS administrator has specified that password processing is required. A correct password has not been supplied.
- System action:** The TCP/IP Client is not permitted to access the system.
- User response:** The administrator should be aware that this may indicate a fraudulent attempt to access the system.

**CKSE3667-2 TCP/IP EXIT SPECIFIED BUT NOT FOUND (EXIT=*exit*)**

- Explanation:** The product administrator has specified that an exit, *exit*, is to be processed. The exit is not available.
- System action:** The use of this message is restricted to the following exit:  
SEEXIT45 - performs password processing on TCP/IP Client handshaking. If enabled, but not found, all Clients will be rejected.
- User response:** The product administrator should ensure that the exit code is available.

**CKSE3668-5 EMULATOR LOGON PROCESSING TERMINATED**

- Explanation:** An error was encountered during logon processing, and the logon was terminated. The reason for the error was given in an earlier message.
- System action:** Processing for the logon is terminated.
- User response:** Restart the logon.

**CKSE3669-5 EMULATOR LOGON REJECTED BY EXIT 46**

- Explanation:** Exit 46 has been used to prevent this logon.
- System action:** The logon is prevented.
- User response:** Restart the logon.

**CKSE3672-5 EMULATOR LOGON CONNECT TO *appl* FAILED RC *n* SENSE *code***

- Explanation:** An error has been encountered during connect processing and the logon has been terminated. Connection to application *appl* has failed. The return code shown is that returned from the NCI CONNECT function, which is described in the NCI/XF manual. The sense code *code* is that associated with the last CLSDST PASS, set for example, to 0801, if the terminal is not authorized to use the application.
- System action:** Processing for this logon is terminated.
- User response:** Restart the logon.

**CKSE3673-5 EMULATOR LOGON APPLICATION MUST BE SUPPLIED**

- Explanation:** The emulator logon panel requires you to enter an application.
- System action:** Processing for this logon is terminated.
- User response:** Enter an application and restart the logon.

**CKSE3674-6 VTAM SME UPDATE IN PROGRESS**

- Explanation:** A request to connect to an application is pending as an SME update is in progress.
- System action:** Processing will continue when the update completes.
- User response:** Wait for processing to continue.

**CKSE3675-5 EMULATOR LOGON PASSWORD MUST BE SUPPLIED WITH USERID**

- Explanation:** You have supplied a userid but no password.
- System action:** Processing for this logon is terminated.
- User response:** Restart the logon with the password specified.

**CKSE3676-5 TIME CALCULATION PARAMETER ERROR**

- Explanation:** The time used in a time calculation is invalid.
- System action:** Processing is terminated.
- User response:** Use correct time format.

**CKSE3677-5 TIME CALCULATION INVALID DATE/TIME LENGTH**

- Explanation:** The time used in a time calculation is invalid.
- System action:** Processing is terminated.
- User response:** Use the correct time format.

**CKSE3678-5 TIME CALCULATION REQUIRES NUMERIC VALUES**

- Explanation:** The time used in a time calculation is invalid.
- System action:** Processing is terminated.
- User response:** Use the correct time format.

**CKSE3679-5 TIME CALCULATION DATE/TIME INVALID**

- Explanation:** The time used in a time calculation is invalid.
- System action:** Processing is terminated.
- User response:** Use the correct time format.

**CKSE3681-2 TCP/IP SOCKET CLOSE FAILED (SOC=*socket*, RC=*nn*, INT=*netaddr*, POR=*port*, APP=*appl*, CLI=*client*)**

- Explanation:** The system has attempted to close Socket *socket*, but failed.
- System action:** The TCP/IP processing feature will continue, but use of this Socket is disabled until the TCP/IP environment is restarted.
- User response:** Report the return code, *nn*, to your local PassGo Technologies support office.

**CKSE3682-4 TCP/IP SOCKET CLOSE SUCCESSFUL (SOC=*socket*, INT=*netaddr*, POR=*port*, APP=*appl*, CLI=*client*)**

- Explanation:** The system has closed Socket *socket* successfully. Client *client* has terminated a dialog.
- System action:** The TCP/IP processing feature will continue, and this Socket can be used by Client *client* or any other Client.
- User response:** None.

**CKSE3683-2 TCP/IP SOCKET CONNECTION TERMINATION FAILED (SOCKET=*socket*, RC=*nn*, INT=*netaddr*, POR=*port*, APP=*appl*, CLI=*client*)**

- Explanation:** The system has attempted to terminate a connection, but failed.
- System action:** The TCP/IP processing feature will continue, but use of this socket is disabled until the TCP/IP environment is restarted in the product.
- System action:** Report the return code, *nn*, to your local PassGo Technologies support office.

**CKSE3684-4 TCP/IP SOCKET CONNECTION TERMINATION SUCCESSFUL (SOCKET=*socket*, INT=*netaddr*, POR=*port*, APP=*appl*, CLI=*client*)**

**Explanation:** This message is issued when the system has terminated a connection.

*socket* = the Socket number.  
*netaddr* = the Internet address.  
*port* = the Port number.  
*appl* = the Application.  
*client* = the Client Id.

**System action:** TCP/IP processing will continue by attempting to close the Socket.

**User response:** None.

**CKSE3685-3 TCP/IP REQUEST RECEIVED WITHOUT PREVIOUS HANDSHAKE (SOCKET=*socket*, INT=*netaddr*, POR=*port*)**

**Explanation:** A Client has connected to TCP/IP, but has attempted to submit a request without first sending a handshake communication.

**System action:** The Socket will be closed.

**User response:** The administrator should be aware that this may indicate a fraudulent attempt to access the system.

**CKSE3686-4 TCP/IP HANDSHAKE ACCEPTED (SOCKET=*socket*, INT=*netaddr*, POR=*port*, APP=*appl*, CLI=*client*)**

**Explanation:** A Client has connected to TCP/IP, and submitted a handshake request which has been accepted.

**System action:** The Client can now submit requests.

**User response:** None.

**CKSE3687-2 TCP/IP INVALID REQUEST, CONNECTION TERMINATED (SOCKET=*socket*, INT=*netaddr*, POR=*port*, CLI=*client*)**

**Explanation:** A Client has connected to TCP/IP, and has submitted an incorrectly formatted transmission.

**System action:** The Socket is disconnected and closed.

**User response:** The Client administrator must review and correct the format of the transmissions. The Client must reconnect to a Socket and supply a correct handshake transmission before trying the corrected request again.

**CKSE3689-5 TCP/IP REQUEST REJECTED BY EXIT63 (REQ=*aa*, RC=*nn*) (INT=*netaddr*, POR=*port*, ID=*appl.client*)**

**Explanation:** User exit 63 has rejected a TCP/IP request.

**System action:** The requested function is rejected.

**User response:** Examine the code in exit 63 to determine the reason.

**CKSE3690-2 TCP/IP STARTUP OF SYSTEM FAILED**

**Explanation:** The TCP/IP subsystem startup procedure has failed.

**System action:** The TCP/IP processing feature is not available.

**User response:** Consult the audit for further information.

**CKSE3691-2 TCP/IP HANDSHAKE REJECTED (SOCKET=socket, INT=netaddr, POR=port, APP=appl, CLI=client, RC=nn)**

**Explanation:** A Client has connected to TCP/IP and submitted a handshake request which has been rejected. The return code (*nn*) will be one of the following:

- 1 no application supplied
- 2 no Client id supplied
- 3 no direction indicator (constant '1')

**System action:** The Client is disconnected from TCP/IP.

**User response:** None.

**CKSE3692-3 TCP/IP CLIENT REJECTED, HAS NOT SENT A HANDSHAKE (PER=time, SOC=socket, INT=netaddr, POR=port)**

**Explanation:** A Client has connected to TCP/IP but not submitted a handshake request within the defined time-out period, *time*.

**System action:** The connection is terminated.

**User response:** The Client must reconnect to continue processing.

**CKSE3693-2 TCP/IP MAXIMUM RECORD LENGTH EXCEEDED (MAX=maxlen, LEN=length, SOC=socket, INT=netaddr, POR=port)**

**Explanation:** A Client has sent a record to TCP/IP with a length, *length*, specified in the first two bytes of the record, that is greater than the maximum permitted (*maxlen*).

**System action:** The record is rejected. The connection with the Client is terminated, and the Socket is inactive.

**User response:** The Client administrator must correct the record to be transmitted. The Client must reconnect before transmitting the record.

**CKSE3694-5 TLI PROCESS CODE *code* REJECTED DUE TO VALIDATION ERROR**

**Explanation:** The TLI request, code as shown, failed due to a validation error, for instance incorrect password.

**System action:** The reply will be sent indicating the failure.

**User response:** Determine the reason for failure, which will be given by a preceding message, correct the problem and retry.

**CKSE3695-7 PASSTICKET REQUEST SUCCESSFUL (USER=User ID, APPLICATION=application)**

**Explanation:** A PassTicket was generated for the application specified.

**System action:** The PassTicket will be returned.

**User response:** Use the PassTicket for the user specified to log on to he application specified.

**CKSE3696-5 PASSTICKET REQUEST FAILED (USER=User ID, APPLICATION=application)**

**Explanation:** A RACF PassTicket could not be generated for the application specified.

**System action:** No PassTicket is generated.

**CKSE3697-5 PASSTICKET REQUEST NOT SUPPORTED**

**Explanation:** The PassTicket feature is unavailable. Either the Passticket facility is not available, or the job is not authorized.

**System action:** No PassTicket is generated.

**User response:** Ensure that the NC-PASS load library is APF authorized and your security system is running at a level which supports the use of PassTickets. For RACF systems, ensure that the application is correctly defined in the RACF PTKTDATA class. For CA-Top Secret systems, ensure that the application is correctly defined on the NDT record using the PSTKAPPL and SESSKEY parameters of the ADDTO command function.

**CKSE3698-7 TLI PROCESS CODE *code* COMPLETED**

**Explanation:** The TLI request with code *a* shown has completed.

**System action:** The reply is sent.

**User response:** None.

**CKSE3699-5 TLI DATA EXTRACT FAILED RC *code***

**Explanation:** The request for data from the external database failed with return code shown.

**System action:** The request is rejected.

**User response:** Determine the reason for failure (ie invalid userid or job not authorised) and retry.

**CKSE3700-4 TCP/IP CLIENT HAS TERMINATED LINK (SOC=*socket*, INT=*netaddr*, POR=*port*, APP=*appl*, CLI=*client*)**

**Explanation:** A Client, *client*, connected to TCP/IP has terminated the link.

**System action:** The connection is terminated.

**User response:** The Client administrator must reconnect in order to continue processing.

**CKSE3701-5 TLI PROCESS CODE *code* REJECTED, INVALID *type* COUNT**

**Explanation:** The count of data items TYPE for TLI request code shown is incorrect. This is frequently caused by the count being greater than the number of items, possibly due to a character being used in a binary field.

**System action:** The request is terminated.

**User response:** Correct the count field and retry.

**CKSE3702-2 TCP/IP SOCKET CANCEL FAILED (SOC=*socket*, RC=*nn*, INT=*netaddr*, POR=*port*, APP=*appl*, CLI=*client*)**

**Explanation:** This message is issued when the system has attempted to cancel a Socket due to a time-out condition but failed. The cancel activity is initiated to remove an outstanding TCP/IP request made using a Socket. The return code, *nn*, will be as documented in the *TCP/IP for MVS programmers Reference Manual*.

**System action:** The TCP/IP processing feature will continue, but use of this socket is disabled until the TCP/IP environment is restarted.

**User response:** None.

**CKSE3703-4 TCP/IP SOCKET CANCEL SUCCESSFUL (SOC=*socket*, INT=*netaddr*, POR=*port*, APP=*appl*, CLI=*client*)**

**Explanation:** This message is issued when the system has cancelled an outstanding activity on a Socket, for example prior to terminating Socket communication with a Client due to a time-out condition.

**System action:** The TCP/IP processing feature continues.

**User response:** None.

**CKSE3704-9 TLI PROCESS CODE *code* NOT SUPPORTED BY THIS NC-PASS SYSTEM**

**Explanation:** The TLI request indicated is not supported in this product.

**System action:** The request is terminated.

**User response:** If this TLI request is required, obtain the correct product code from your local PassGo Technologies office.

**CKSE3705-8 PASS TICKET TIMEOUT VALUE INVALID, DEFAULTED TO 600 SECONDS**

**Explanation:** A timeout value for PASS tickets was specified in the startup exit, but is not numeric and greater than 0.

**System action:** A default of 600 seconds is used (10 minutes).

**User response:** Specify a value in whole seconds for the timeout interval.

**CKSE3706-5 PASS TICKET REQUEST FAILED (user=User ID, application=application)**

- Explanation:** The request for a PASS ticket for the specified userid and application failed. This is most likely due to the application field being blank.
- System action:** The ticket is not created.
- User response:** Correct the request, ensuring all fields are completed.

**CKSE3707-7 PASS TICKET REQUEST SUCCESSFUL (USER=User ID, APPLICATION=application)**

- Explanation:** A PASS ticket was generated for the userid and application shown.
- System action:** The ticket is created.
- User response:** Use the ticket in a validation request.

**CKSE3708-5 PASS TICKET VERIFY FAILED (USER=userid, APPLICATION=appl, RC=nn)**

- Explanation:** The verification of a PASS ticket failed for the userid and application shown.
- System action:** The request is rejected.
- User response:** Check the return code to determine the problem. Possible return codes are:
- |    |  |
|----|--|
| 4  | The ticket is valid but expired, (found, but the time difference between the ticket time and the current time is greater than the ticket timeout interval (10 minutes)).   |
| 8  | The ticket exists but has been used already (found, but flagged as used).  |
| 12 | A ticket exists but does not match the one supplied.   |
| 16 | No such ticket exists. This can be that the ticket was never created, the PASS job has been restarted since the ticket was created, or the ticket had been on the queue for more than twice the ticket timeout interval. |
| 20 | The request does not include a userid and application.   |

**CKSE3709-7 PASS TICKET VERIFY SUCCESSFUL (USER=userid, APPLICATION=appl)**

- Explanation:** The PASS ticket was accepted for the userid and application shown.
- System action:** The request is accepted.
- User response:** None.

**CKSE3710-6 MHO REQUEST PROCESSED BY DOWNLEVEL SYSTEM (NODE=node,REQUEST=request)**

- Explanation:** This NC-PASS system has transmitted a request to another NC-PASS system. The MHO nodename and the request are displayed in the suffix. The request was processed by the target NC-PASS system, and a reply has been received by this NC-PASS system. Since the target NC-PASS system was a downlevel system the reply may not contain the information available with the latest release.
- System action:** None.
- User response:** Consider that the reply to the request may be limited. Trace level 7 may be used to provide further details.

**CKSE4054-5 ACCESS DENIED - SECURITY CHECKING USING SERVER FAILED.**

- Explanation:** An attempt has been made to use an external security server, but NC-PASS was unable to complete the request. The most probable reasons for failure are listed below.
1. The server is not running.
  2. The server does not have XMS enabled.
  3. An incorrect XMS id has been used to interface with the server.
- System action:** The attempted dialog with the server is abandoned and the security request is rejected.
- User response:** Contact your administrator.

#### **CKSE4055-5 ACCESS DENIED - xxxx LIBRARIES NOT AUTHORISED**

- Explanation:** You have attempted to logon using SEC but validation cannot be completed because the load libraries of the Access job are not authorized.
- System action:** Logon is rejected.
- User response:** Contact your administrator.

#### **CKSE4062-5 TOKEN REQUIRED BUT NOT ASSIGNED**

- Explanation:** An enquiry to NC-PASS has determined that, for a specific userid, a token is required. However there is no token assigned and self registration is not possible.
- System action:** None. This message is for information only.
- User response:** None.

#### **CKSE4071-9 LOGTRACE LEVEL SET TO *nn***

- Explanation:** This information message is produced when the logtrace level is changed. 0 is off.
- System action:** None.
- User response:** None.

#### **CKSE4073-4 BATCH TOKEN LOAD IN PROGRESS FROM *dsname***

- Explanation:** A batch load of tokens is in progress from the specified dataset, *dsname*.
- System action:** The load continues.
- User response:** None.

#### **CKSE4074-3 BATCH TOKEN LOAD UNABLE TO OPEN INPUT DATASET *dsname***

- Explanation:** The batch load of tokens has failed to open the specified dataset, *dsname*.
- System action:** The load terminates from this dataset.
- User response:** Ensure the correct dataset is available and is not allocated exclusively to another job.

#### **CKSE4075-3 BATCH TOKEN LOAD FAILURE READING INPUT DATASET *dsname***

- Explanation:** The batch load job has failed to read from the specified dataset, *dsname*.
- System action:** The batch load from this dataset terminates.
- User response:** Ensure the dataset exists and contains valid records.

#### **CKSE4076-3 BATCH TOKEN LOAD FAILURE CLOSING INPUT DATASET *dsname***

- Explanation:** The batch load of tokens has run but failed to close the specified dataset.
- System action:** None. The batch load has completed.
- User response:** See the log for further diagnostic information.

#### **CKSE4077-9 BATCH TOKEN LOAD TOKEN *number* ADDED**

- Explanation:** As part of the batch token load, token *number* was added to the system.
- System action:** None.
- User response:** None.

**CKSE4079-8 BATCH TOKEN LOAD TOKEN *number* ALREADY EXISTS**

- Explanation:** The batch token load has detected a duplicate token entry for token *number*.
- System action:** The token specified is ignored.
- User response:** If the token record for token number should be replaced, rerun the batch load to replace the duplicate.

**CKSE4080-4 BATCH TOKEN LOAD TOTAL RECORDS READ = *n***

- Explanation:** The batch load of tokens has completed and the number of token records read is shown.
- System action:** None.
- User response:** None.

**CKSE4081-4 BATCH TOKEN LOAD TOTAL RECORDS WRITTEN = *n***

- Explanation:** The batch load of tokens has completed and the number of token records written is shown.
- System action:** None.
- User response:** None.

**CKSE4082-4 BATCH TOKEN LOAD TOTAL DUPLICATE RECORDS = *n***

- Explanation:** The batch load of tokens has completed and the number of duplicate token records found is shown.
- System action:** None.
- User response:** Check the other related messages to determine whether or not the duplicate token records were updated.

**CKSE4083-4 BATCH TOKEN LOAD COMPLETED**

- Explanation:** The batch load of tokens has completed.
- System action:** None.
- User response:** None.

**CKSE4084-3 BATCH TOKEN LOAD FAILED**

- Explanation:** The batch load of tokens failed to run correctly.
- System action:** The batch load is terminated.
- User response:** Check earlier messages for the cause of the failure.

**CKSE4085-9 UNLOCK CODE GENERATED: *code***

- Explanation:** The unlock code, *code*, has been generated for a locked token.
- System action:** None.
- User response:** Enter the code into the locked token to unlock it.

**CKSE4086-9 VALID ACTIVCARD DYNAMIC PASSWORD**

- Explanation:** A valid dynamic password has been received from an ActivCard token.
- System action:** Access will be allowed as appropriate.
- User response:** None.

**CKSE4087-8 INVALID ACTIVCARD DYNAMIC PASSWORD**

- Explanation:** An invalid dynamic password has been received.
- System action:** Access is denied.
- User response:** Enter the correct ActivCard dynamic password. If internal challenge mode is being used, ensure the system is synchronized and the token counter on the system is correct.

#### **CKSE4088-8 NO ACTIVCARD SLOT MATCHED WITH NC-PASS DEFINED NAME**

**Explanation:** An ActivCard token was used but no slot matched with the definition in NC-PASS.

**System action:** Access is not allowed.

**User response:** Contact your administrator to ensure your token is set up correctly.

#### **CKSE4089-8 UNLOCK CODE GENERATION FAILED**

**Explanation:** An attempt to generate an unlock code for a locked ActivCard token has failed.

**System action:** No unlock code is generated.

**User response:** Ensure the code is entered into the token correctly and retry.

#### **CKSE4090-2 ACTIVCARD SYNCHRONIZATION FAILED**

**Explanation:** An attempt to synchronize the system with an ActivCard token has failed.

**System action:** No synchronization is performed.

**User response:** Try to synchronize the system again. Ensure the token counter is correct and that the First time of use window is sufficiently large.

#### **CKSE4091-4 ACTIVCARD SYNCHRONIZATION COMPLETED**

**Explanation:** Synchronization of the system clock with an ActivCard is complete.

**System action:** The system clock is adjusted for use with ActivCard tokens.

**User response:** None.

#### **CKSE4092-4 ACTIVCARD SYSTEM RECORD UPDATED**

**Explanation:** ActivCard system options have been changed.

**System action:** The system will use the modified options.

**User response:** None.

#### **CKSE4093-4 ACTIVCARD SYNCHRONIZATION IN PROGRESS**

**Explanation:** The ActivCard synchronization at startup is in progress.

**System action:** The WTO dialog continues.

**User response:** Reply to the WTO messages if you are at the console, otherwise, none.

#### **CKSE4094-4 REPLY WITH ACTIVCARD TOKEN SERIAL NUMBER TO SYNCHRONIZE**

**Explanation:** An ActivCard is needed to perform synchronization.

**System action:** Waits for the reply.

**User response:** Reply with the ActivCard serial number to be used for synchronization.

#### **CKSE4095-4 REPLY END TO BYPASS SYNCHRONIZATION**

**Explanation:** ActivCard synchronization is in progress and waiting for a dynamic password.

**System action:** Waits for the reply. If the reply is END, synchronization will be bypassed.

**User response:** Reply END to bypass synchronization, or according to another displayed message.

#### **CKSE4096-4 REPLY WITH ACTIVCARD SERIAL NUMBER**

**Explanation:** Synchronization of ActivCard tokens is in progress and a token serial number is required to continue.

**System action:** Waits for a reply.

**User response:** Reply with the ActivCard serial number.

#### **CKSE4097-2 ACTIVCARD *number* NOT FOUND**

**Explanation:** ActivCard synchronization is in progress, but no record has been found for the specified token, *number*.

**System action:** The synchronization process restarts.

**User response:** Try again with a token known to NC-PASS.

#### **CKSE4098-2 ACTIVCARD *number* NOT VALID FOR SYNCHRONIZATION**

- Explanation:** ActivCard synchronization is in progress, but the specified token, *number*, cannot perform synchronization.
- System action:** The synchronization process restarts.
- User response:** Try again with a token permitted to perform synchronization.

#### **CKSE4099-2 ACTIVCARD *number* DISABLED**

- Explanation:** ActivCard synchronization is in progress, but the specified token, *number*, is disabled.
- System action:** The synchronization process restarts.
- User response:** Try again with a token that is enabled.

#### **CKSE4100-4 REPLY WITH ACTIVCARD DYNAMIC PASSWORD FOR SLOT *n***

- Explanation:** ActivCard synchronization will be performed with the specified slot, *n*.
- System action:** Waits for a reply.
- User response:** Reply with the dynamic password for the slot specified.

#### **CKSE4101-4 ACTIVCARD SYNCHRONIZATION BYPASSED**

- Explanation:** The operator has replied END to bypass ActivCard synchronization.
- System action:** Synchronization is bypassed.
- User response:** Perform synchronization using the panels if required.

#### **CKSE4102-4 ACTIVCARD *number* WINDOW RESET**

- Explanation:** The window for an ActivCard has been reset.
- System action:** Next time the token is used, the time offset will be ignored and the first time of use window will be used.
- User response:** None.

#### **CKSE4103-9 USER NOT FOUND OR NOT ASSIGNED TO DIGIPASS**

- Explanation:** The user supplied on a Digipass TLI request is either not defined to NC-PASS or is not assigned to a Digipass token.
- System action:** The request is rejected.
- User response:** Correct as needed.

#### **CKSE4104-5 DIGIPASS SIGNATURE NOT VALID**

- Explanation:** A request to validate a Digipass signature has failed.
- System action:** None - remote system should reject.
- User response:** Correct as needed.

#### **CKSE4105-9 DIGIPASS HOST VERIFICATION *key***

- Explanation:** The Digipass token is set to request host verification.
- System action:** None.
- User response:** Press the equal key (=) on the Digipass token to display the host verification key and check it is the same value as *key*.

#### **CKSE4106-9 DIGIPASS TEST CORRECT (TIME *yymmddhhmm* SHIFT *nn*)**

- Explanation:** The Digipass token test function shows that the token is working correctly and is within the required time difference slot. TIME is the reference time used from the mainframe clock (GMT) and SHIFT gives the token difference, in minutes, from that.
- System action:** None.
- User response:** None.

**CKSE4107-8 DIGIPASS TEST FAILED (RC nn)**

- Explanation:** The Digipass token test function indicates that the token is not in time with the mainframe clock and should not be used.
- System action:** None.
- User response:** The token may require new batteries and re-initialization.

**CKSE4109-5 ACCESS DENIED - INVALID DIGIPASS KEY**

- Explanation:** You have entered an invalid Digipass identification key.
- System action:** Access is denied.
- User response:** Generate a new identification key and retry.

**CKSE4110-5 DIGIPASS SIGNATURE HAS ALREADY BEEN USED**

- Explanation:** This signature has been used before.
- System action:** None - remote system may reject.
- User response:** Check entry and re enter if needed.

**CKSE4120-9 VALID DIGIPASS KEY ENTERED**

- Explanation:** You have entered a valid Digipass identification key.
- System action:** Logon continues.
- User response:** None.

**CKSE4121-3 BATCH TOKEN LOAD RECORD INVALID *start-of-record***

- Explanation:** The batch load of tokens has detected an invalid record. The first part of the invalid record is shown.
- System action:** The batch load continues, ignoring the invalid record.
- User response:** Correct the invalid record and rerun the batch load.

**CKSE4175-4 GROUP *name* ADDED**

- Explanation:** A translation group has been added. This group can now be updated with agent names for agents which share translation definitions.
- System action:** The group will be used for future userid translations.
- User response:** Update the translation group as desired.

**CKSE4176-4 GROUP *name* UPDATED**

- Explanation:** A translation group has been updated.
- System action:** The group will be used for future userid translations.
- User response:** None.

**CKSE4177-4 GROUP *name* DELETED**

- Explanation:** A translation group has been deleted.
- System action:** The group is deleted and will no longer be used.
- User response:** None.

**CKSE5001 SUBROUTINE *name* CREATED, LAST FIX *fix* : LEVEL *a.b.c***

- Explanation:** NC-PASS has successfully built an incore copy of the EXEC routine *name*. *fix* shows the fix number and LEVEL is for PassGo Technologies use only.
- System action:** None.
- User response:** None.

**CKSE5002 ERROR: UNABLE TO BUILD SUBROUTINE *name***

**Explanation:** NC-PASS could not build the EXEC routine, *name*, because of errors.

**System action:** The build fails.

**User response:** Check the NCILOG for any preceding error messages.

**CKSE5003 ALLOCATION OPEN OR RECFM ERROR**

**Explanation:** NC-PASS could neither open nor allocate the library indicated by the PANEL DD statement or PANEL FILEDEF command.

**System action:** None.

**User response:** Ensure that the library is cataloged and uses one of the following record formats (RECFM) F, FB, V or VB.

**CKSE5005 ERROR: *name* SUBROUTINE NOT AUTHORIZED**

**Explanation:** An unauthorized prebuilt EXEC routine, *name*, has been called.

**System action:** None.

**User response:** If you want to use this EXEC routine, contact your local PassGo Technologies support office.

**CKSE5006 COPYING SUBROUTINE *name***

**Explanation:** Subroutine *name* is in the process of being copied.

**System action:** None.

**User response:** None.

**CKSE5007 \*\*WARNING\*\* PANEL-STORAGE LIMIT EXCEEDED - NUMBER OF BYTES NEEDED = *nn,nnn,nnn,nnn***

**Explanation:** NC-PASS cannot maintain the panel storage limit specified at startup. All panels in storage are in use. More space is needed.

**System action:** None.

**User response:** If this problem occurs frequently, increase panel storage.

**CKSE5008 SESSION TERMINATED - ERROR COUNT EXCEEDED**

**Explanation:** NC-PASS encountered an error within a subroutine. While attempting to display the error messages, a second error was found. To avoid a loop condition, NC-PASS will permit only three errors to occur before rejecting the workstation.

**System action:** The workstation is rejected.

**User response:** None.

**CKSE5009 ERROR: ALLOCATION OPEN OR RECFM ERROR**

**Explanation:** NC-PASS could neither open nor allocate the library indicated by the PANEL DD statement. This library must be cataloged and only record formats (RECFM) F, FB, V or VB are supported.

**System action:** None

**User response:** Ensure that the library is cataloged and that the record format is F, FB, V or VB.

**CKSE5010 SUBROUTINE CONTAINS INVALID STATEMENTS - SEE PREVIOUS CONSOLE MESSAGES FOR ERROR**

**Explanation:** During the construction of an incore copy of a subroutine at least one invalid statement was encountered. The statement(s) in error will precede this message on the NCILOG file.

**System action:** None.

**User response:** Check the statement(s) in error and correct as required.

**CKSE5011 SUBROUTINE CREATION FAILED- SEE PREVIOUS CONSOLE MESSAGES**

**Explanation:** During the construction of an incore copy of a subroutine at least one error condition occurred. A detailed description of the error will precede this message on the NCILOG file.

**System action:** None.

**User response:** Check the statement(s) in error and correct as required.

**CKSE5012 PANEL LIBRARY RECORD LENGTH GREATER THAN 132 (FIXED) OR 136 (VARIABLE) CHARACTERS**

- Explanation:** The maximum LRECL which may be specified for a panel library with a RECFM of F or FB is 132. The maximum LRECL which may be specified for a panel library with a RECFM of V or VB is 136.
- System action:** None.
- User response:** Correct the LRECL for the panel library.

**CKSE5013 ERROR: NO OR INVALID SECTION DEFINED**

- Explanation:** An EXEC routine contains an invalid section heading or a mandatory section is omitted.
- System action:** None.
- User response:** Correct the error.

**CKSE5014 ERROR: NO OR INVALID FUNCTION DEFINED**

- Explanation:** An EXEC routine contains a statement with an unrecognized function.
- System action:** None.
- User response:** Correct the error.

**CKSE5015 ERROR: NO OR INVALID OPERANDS DEFINED**

- Explanation:** An EXEC routine contains a statement with invalid or missing operands.
- System action:** None.
- User response:** Correct the error.

**CKSE5016 ERROR: INVALID NUMBER OF OPERANDS**

- Explanation:** The NCI verb listed before this message has been specified with the incorrect number of operands.
- System action:** None.
- User response:** Correct the error.

**CKSE5017 ERROR: INVALID SUBSTRING VALUES SPECIFIED**

- Explanation:** An operand using substring was specified incorrectly.
- System action:** None.
- User response:** Correct the error.

**CKSE5018 ERROR: OPERATOR NOT EQ,LT,GT,LE,GE,NE,=,≠,<>, >, <, >=, <=**

- Explanation:** The statement listed before this message contains a verb which requires a logical operator as part of its syntax. However the specified parameter is not in the accepted list.
- System action:** None.
- User response:** Correct the error.

**CKSE5019 ERROR: OPERATOR NOT "="**

- Explanation:** The statement listed before this message contains a verb which requires the equals sign (=) as its operator, but it was incorrectly specified.
- System action:** None.
- User response:** Correct the error.

**CKSE5020 ERROR: INVALID CONJUNCTION**

- Explanation:** An NCI verb which allows the specification of a conjunction, eg IF, has been coded in an invalid format.
- System action:** None.
- User response:** Correct the error.

**CKSE5021 ERROR: UNAUTHORIZED FUNCTION SPECIFIED**

- Explanation:** An unauthorized NCI verb has been coded in an EXEC routine.
- System action:** None.
- User response:** If you want to use this verb, contact your local PassGo Technologies support office.

**CKSE5022 RUN TIME ERROR IN STARTUP PANEL, UNABLE TO BUILD EXEC ROUTINE, ABENDING 203**

- Explanation:** NC-PASS has detected an error in a startup panel.
- System action:** NC-PASS terminates.
- User response:** Correct error and rerun.

**CKSE5023 MODIFY COMMAND FAILED, UNABLE TO BUILD EXEC ROUTINE**

- Explanation:** An operator console MODIFY command required an EXEC routine to be run, but the routine could not be built due to errors.
- System action:** None.
- User response:** Correct the error and retry.

**CKSE5025 MAINTASK ABEND PROCESSING MODULE *name* AT OFFSET *offset* CODE *Snnnnnn Unnnn***

- Explanation:** This message contains debugging information for PassGo Technologies. Messages CKSE5026, CKSE5027 and CKSE5028 are issued after this message.
- System action:** NC-PASS abends.
- User response:** Report to your local PassGo Technologies support office.

**CKSE5026 CALLED FROM MODULE *name* AT OFFSET *offset***

- Explanation:** This message supplements the information provided by message CKSE5025. Messages CKSE5027 and CKSE5028 are issued after this message.
- System action:** NC-PASS abends.
- User response:** Report to your local PassGo Technologies office.

**CKSE5027 ===== NCI ABEND =====**

- Explanation:** This is issued as a heading for the dump that follows. The dump contains diagnostic information and is preceded by messages CKSE5025 and CKSE5026. Message CKSE5028 marks the end of the dump.
- System action:** NC-PASS abends.
- User response:** Report to your local PassGo Technologies support office.

**CKSE5028 ===== NCDDUMP COMPLETE =====**

- Explanation:** This marks the end of the dump which started with message CKSE5027 and was preceded by messages CKSE5025 and CKSE5026.
- System action:** NC-PASS abends.
- User response:** Report to your local PassGo Technologies support office.

**CKSE5029 INVALID RPL USER FIELD DETECTED BY *aaaaaaa***

- Explanation:** The RPLUSF field is invalid (user record correlation). This message is followed by messages CKSE5030 and CKSE5031.
- System action:** NC-PASS attempts to recover.
- User response:** If this condition persists, contact your local PassGo Technologies support office.

**CKSE5030 NCI IS ATTEMPTING RECOVERY**

- Explanation:** NCI is attempting to recover from the previous error condition (message CKSE5029). Message CKSE5031 will follow this message.
- System action:** NCI attempts to recover.
- User response:** If this condition persists, contact your local PassGo Technologies support office.

#### **CKSE5031 PLEASE CONTACT YOUR LOCAL SUPPORT CENTER**

**Explanation:** This message is issued following messages CKSE5029 and CKSE5030.

**System action:** None.

**User response:** Contact your local PassGo Technologies support office.

#### **CKSE5032 ABNORMAL TERMINATION IN PROGRESS**

**Explanation:** NC-PASS is terminating abnormally.

**System action:** NC-PASS abends.

**User response:** Contact your local PassGo Technologies support office.

#### **CKSE5033 INVALID ATTRIBUTE ASSIGNMENT**

**Explanation:** The PANEL build processor has found an invalid keyword in the specification of an attribute character for a panel.

**System action:** None.

**User response:** See the NC-PASS book entitled *NCI Reference* for a complete list of keywords for this verb. The invalid card will be written to the NCILOG before this message.

#### **CKSE5034 \*WARNING\* ATTEMPT TO FREE LOCKED PLIST**

**Explanation:** An internal error has occurred.

**System action:** Processing continues.

**User response:** Report this message to your local PassGo Technologies support office.

#### **CKSE5035 ERROR: ABOVE DIRECTORY CARD IS INVALID**

**Explanation:** During either the initialization stage or an online update of the System Directory of Users, NC-PASS discovered a syntax error in the DIRECTORY member.

**System action:** None.

**User response:** Correct the error.

#### **CKSE5036 ERROR: INVALID USERID ON ABOVE CARD**

**Explanation:** During the construction of the System Directory. NC-PASS found a USER statement which contained an invalid USERID field. The statement in error is written to the NCILOG before this message.

**System action:** None.

**User response:** Correct the error.

#### **CKSE5037 ERROR: INVALID PASSWORD ON ABOVE CARD**

**Explanation:** During the construction of the System Directory. NC-PASS found a USER statement which contained an invalid PASSWORD field. The statement in error is written to the NCILOG before this message.

**System action:** None.

**User response:** Correct the error.

#### **CKSE5038 DIRECTORY BUILD SUCCESSFUL**

**Explanation:** NC-PASS has successfully built the table of authorized users.

**System action:** None.

**User response:** None, this message is for information only.

#### **CKSE5039 ERROR: UNABLE TO OPEN DIRECTORY**

**Explanation:** During either the initialization stage or an online update of the System Directory of Users, NC-PASS could not open the dataset containing the directory member owing to an I/O or device malfunction.

**System action:** NC-PASS terminates.

**User response:** Correct the error.

#### **CKSE5040 ERROR DURING OPEN OF ACB *name* - ERROR CODE=*nn***

**Explanation:** NC-PASS found an error while trying to open its ACB. This may be due to a spelling mistake or the ACB being inactive, not defined to VTAM or in use by someone else. The hexadecimal error code *nn* is set to the value of ACBERFLG.

**System action:** NC-PASS will retry for a condition that can be corrected, for example:

X'5C' VTAM not active

X'54' ACB not active

X'5A' ACB not active

X'70' ACB being closed.

The most common non retry code is X'58' - ACB in use by another job. If there is a retry, message CKSE5047 is issued. If there is no retry, NC-PASS abends with U203.

**User response:** See the *VTAM Programming Guide* for more information.

#### **CKSE5041 VTAM VERSION IDENTIFIER = *version***

**Explanation:** Indicates the VTAM level of the system on which NC-PASS is operating.

**System action:** None.

**User response:** Quote this information if reporting errors to your local PassGo Technologies support office.

#### **CKSE5042 ACB HAS BEEN CLOSED EITHER BY OPERATOR OR SYSTEM**

**Explanation:** NC-PASS has discovered that the ACB under which it is running has been made inactive either by VTAM or, more probably, by a system operator command.

**System action:** NC-PASS abends with U205.

**User response:** Restart if required.

#### **CKSE5043 UPDATE PROCESSING DISABLED**

**Explanation:** The UPDATE-INTERVAL = NO startup parameter was specified or NC-PASS could not attach its timer services subtask. No update processing will be done during this execution of NC-PASS. Update processing should not be re-enabled by means of the UPDATE statement.

**System action:** No update processing is done.

**User response:** None.

#### **CKSE5044 UNABLE TO CLOSE ACB**

**Explanation:** NC-PASS has attempted to close its ACB, but failed. This is probably a system error.

**System action:** NC-PASS continues to shut down.

**User response:** If error persists, contact your local PassGo Technologies support office.

#### **CKSE5045 TERMINATION IN PROGRESS**

**Explanation:** NC-PASS is shutting down.

**System action:** NC-PASS continues to shut down.

**User response:** None.

#### **CKSE5046 TERMINATION COMPLETE**

**Explanation:** NC-PASS has been successfully shut down in response to an operator command or NC-PASS SHUTDOWN statement.

**System action:** None.

**User response:** None.

**CKSE5047 WAITING FOR ACB *name***

- Explanation:** NC-PASS found an error while trying to open its ACB and is retrying for a condition that can be corrected. This message follows message CKSE5040 (if there is a retry).
- System action:** NC-PASS retries for a condition that can be corrected, for example:
- X'5C' VTAM not active
  - X'54' ACB not active
  - X'5A' ACB not active
  - X'70' ACB being closed.
- User response:** See the *VTAM Programming Guide* for more information.

**CKSE5048 WAITING FOR STARTUP PANEL TO COMPLETE**

- Explanation:** The startup panel is being executed.
- System action:** None.
- User response:** None.

**CKSE5049 NOW ACCEPTING TERMINAL LOGONS:ACB=*acbname***

- Explanation:** NC-PASS is now ready to accept logons.
- System action:** None.
- User response:** None.

**CKSE5050 NO LONGER ACCEPTING TERMINAL LOGONS: ACB=*acbname***

- Explanation:** NC-PASS is stopping and can no longer accept logons.
- System action:** None.
- User response:** None.

**CKSE5051 \*WARNING\* ATTEMPT TO FREE LOCKED PLIST**

- Explanation:** An internal error has occurred.
- System action:** None.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5052 ERROR LOADING MODULE *name***

- Explanation:** During initialization NC-PASS could not load module *name*.
- System action:** NC-PASS abends with U213. Refer to abend code 213 on page 6.204.
- User response:** Ensure that the steplib you are running with contains all the NC-PASS modules before contacting your local PassGo Technologies support office.

**CKSE5053 INVALID STARTUP PARAMETER CODED**

- Explanation:** During initialization NC-PASS found an error in the startup options specified in the STARTUP DD statement or the STARTUP FILEDEF command.
- System action:** None.
- User response:** Correct the error.

**CKSE5054 ERROR: "PANEL" DD STATEMENT NOT CODED**

- Explanation:** A PANEL DD statement is not present in the JCL used to invoke NC-PASS. NC-PASS cannot function without any panel definitions.
- System action:** NC-PASS abends with U203.
- User response:** Correct the error.

**CKSE5055 WARNING: "DIRECT" DD STATEMENT NOT CODED**

- Explanation:** This warning is issued if NC-PASS cannot locate a directory of users at startup. This optional directory allows simple user ID security checking and should only be used if network security is required and no alternative security system is available at your installation.
- System action:** Directory of users is not used.
- User response:** If required, include the DD statement and restart NC-PASS.

**CKSE5056 ERROR: "TDT" DD STATEMENT NOT CODED**

- Explanation:** During initialization, NC-PASS could not locate the library containing the Terminal Definitions Table (TDT) which defines the terminals that NC-PASS is to control.
- System action:** NC-PASS abends.
- User response:** Include the required DD statement and restart NC-PASS.

**CKSE5057 ERROR: ACB PARAMETER NOT SPECIFIED**

- Explanation:** The ACBNAME startup parameter was omitted or misspelled. This parameter is mandatory.
- System action:** NC-PASS abends.
- User response:** Update the file indicated by the STARTUP DD statement or STARTUP FILEDEF command to include the ACBNAME option before restarting NC-PASS.

**CKSE5058 ERROR: INVALID OR MISSING MAX SUBTASK VALUE - MUST BE NUMERIC 1 - 250**

- Explanation:** An invalid value was specified for the MAXIMUM-SUBTASKS startup parameter.
- System action:** NC-PASS abends.
- User response:** Specify a numeric value in the range 1 through 250 and restart NC-PASS.

**CKSE5059 NCI ABENDING DUE TO ABOVE ERRORS**

- Explanation:** The execution of NCI has been stopped because of errors during initialization. The error(s) have been written to the NCILOG file before this message.
- System action:** NCI abends.
- User response:** Correct the error(s).

**CKSE5060 ERROR: DATE FORMAT INCORRECT**

- Explanation:** The DATE= startup option was specified incorrectly.
- System action:** NC-PASS abends.
- User response:** Ensure the correct date format is specified and restart NC-PASS.

**CKSE5061 ERROR: INVALID OR MISSING "GOTO" VALUE - MUST BE NUMERIC 1 - 999999**

- Explanation:** The MAXGOTO startup option was specified incorrectly.
- System action:** NC-PASS abends.
- User response:** Correct the MAXGOTO startup option and restart NC-PASS.

**CKSE5062 ERROR: ATTACH FAILED FOR NCSUBT**

- Explanation:** NC-PASS could not attach a subtask.
- System action:** NC-PASS abends.
- User response:** Report to your local PassGo Technologies support office immediately.

**CKSE5063 ERROR: INVALID STARTUP-PANEL/EXEC NAME**

- Explanation:** An invalid startup panel or EXEC name was specified in one of the startup parameters.
- System action:** NC-PASS abends.
- User response:** Specify a valid startup panel or EXEC name and restart NC-PASS.

**CKSE5064 ERROR: INVALID OR MISSING UPDATE-INTERVAL**

**Explanation:** The UPDATE-INTERVAL startup parameter was incorrectly specified or missing.

**System action:** NC-PASS abends.

**User response:** Specify a valid UPDATE-INTERVAL and restart NC-PASS.

**CKSE5065 ERROR: CANNOT MIX PANEL AND EXEC EXITS**

**Explanation:** A STARTUP-PANEL startup parameter was specified with at least one of the following startup parameters:

UPDATE-EXEC  
INITIAL-EXEC  
OPEN-EXEC  
CLOSE-EXEC  
FINAL-EXEC

The STARTUP-PANEL startup parameter cannot be mixed with any of these EXECs.

**System action:** NC-PASS abends.

**User response:** Specify only the STARTUP-PANEL startup parameter, or one or more of the above EXECs.

**CKSE5066 ERROR: INVALID OR MISSING LOG-PAGE-LENGTH**

**Explanation:** An invalid value was specified for the LOG-PAGE-LENGTH startup parameter.

**System action:** NC-PASS abends.

**User response:** Restart NC-PASS having specified a numeric value in the range 1 through 99.

**CKSE5067 ERROR: INVALID TRACE TERMINAL MASK**

**Explanation:** An invalid value was specified for the TRACE-TERM startup option.

**System action:** NC-PASS abends.

**User response:** Specify a valid mask value and restart NC-PASS.

**CKSE5068 ERROR: INVALID DUMP MAP**

**Explanation:** The DUMP-MAP startup option was specified incorrectly.

**System action:** NC-PASS abends.

**User response:** Specify a valid DUMP-MAP startup option and restart NC-PASS.

**CKSE5069 ERROR: INVALID OR MISSING TERMINAL-UPDATE**

**Explanation:** An invalid value was specified for the TERMINAL-UPDATE startup option.

**System action:** NC-PASS abends.

**User response:** Specify a valid numeric value and restart NC-PASS.

**CKSE5070 ERROR: MISSING QUEUE-MASK CHARACTER**

**Explanation:** The optional QUEUE-MASK startup parameter was specified but no character was coded to the right of the equals sign (=).

**System action:** NC-PASS abends.

**User response:** Specify a valid QUEUE-MASK character and restart NC-PASS.

**CKSE5071 ERROR: INVALID MAX-LOG-SIZE**

**Explanation:** An invalid value was specified for the MAX-LOG-SIZE startup option.

**System action:** NC-PASS abends.

**User response:** Restart NC-PASS having specified a numeric value in the range 0 through 999999.

**CKSE5072 ERROR: INVALID OR MISSING PANEL-STORAGE**

**Explanation:** An invalid value was specified for the panel storage startup parameter.  
**System action:** A default of 10 MB is used.  
**User response:** Specify a valid value and restart NC-PASS.

**CKSE5073 NOT LICENSED FOR THIS CPU *cpu-id***

**Explanation:** The trial license period for the copy of NC-PASS running on the specified CPU has expired.  
**System action:** NC-PASS abends with U207.  
**User response:** Contact your local PassGo Technologies support office.

**CKSE5074 ERROR: XA-MODE=YES INVALID FOR THIS OPERATING SYSTEM**

**Explanation:** XA-MODE=YES can only be specified in the startup options if NC-PASS is running on an XA operating system.  
**System action:** NC-PASS continues and runs in non XA-mode.  
**User response:** None.

**CKSE5075 \*\*\*\*\* START OF STARTUP OPTIONS \*\*\*\*\***

**CKSE5076 \*\*\*\*\* END OF STARTUP OPTIONS \*\*\*\*\***

**CKSE5077 31 BIT STORAGE ENABLED**

**Explanation:** The XA-MODE = YES startup option was specified and NC-PASS will use storage above the 16 Megabyte line.  
**System action:** None.  
**User response:** None. This message is issued for information only.

**CKSE5078 ERROR: INVALID OR MISSING MAX START TASK VALUE - MUST BE NUMERIC 1 TO 9999**

**Explanation:** The MAX-START-TASKS = *nnnn* startup option is not numeric or larger than 9999.  
**System action:** A default of 9999 is used.  
**User response:** Correct for future use.

**CKSE5079 ERROR: INVALID OR MISSING SHUTDOWN-WAIT**

**Explanation:** The SHUTDOWN-WAIT = *nnnn* startup option is not numeric or larger than 9999.  
**System action:** A default of 0 (zero) is used.  
**User response:** Correct for future use.

**CKSE5080 ERROR: ESTAE INVOCATION FAILURE - RESTART**

**Explanation:** NC-PASS unable to setup error recovery environment.  
**System action:** NC-PASS abends with U204.  
**User response:** Report the error to your local PassGo Technologies support office.

**CKSE5081 \*\*\* PASSWORD SUPPRESSED \*\*\***

**Explanation:** A PASSWORD startup parameter has been encountered and processed. For security reasons, the password is not printed.  
**System action:** None.  
**User response:** None. This message is produced for information only.

**CKSE5082 \*\*\* VALID CODE SUPPRESSED \*\*\***

**Explanation:** A CODE startup parameter has been encountered and processed. For security reasons, valid codes are not displayed.  
**System action:** None.  
**User response:** None.

**CKSE5083 THE FOLLOWING FIXES HAVE BEEN APPLIED:-**

- Explanation:** This message precedes a matrix indicating which fixes have been applied to your version of NCI. The matrix comprises messages numbers 5083 through 5087.
- System action:** None.
- User response:** These messages are for information only.

**CKSE5088 \*\*\* PRECEDING CODE EXPIRED OR INVALID FOR CPUID *cpu-id***

- Explanation:** An invalid authorization code was specified on a CODE = startup parameter. The code in error is not suppressed and is displayed on the line preceding this message.
- System action:** None.
- User response:** Remove the code if required.

**CKSE5089 ERROR: INVALID STATEMENT EXECUTION MONITOR MASK**

- Explanation:** An invalid value was specified for the SXM-PANEL startup option.
- System action:** No mask used (default \*).
- User response:** Specify a valid mask value and restart NC-PASS.

**CKSE5090 NCI VERSION *n.n* EXECUTING ON CPU *cpu-id***

- Explanation:** This message displays the version of NCI running and the CPU ID of the machine on which it is running.
- System action:** None.
- User response:** None. This message is for information only.

**CKSE5091 ERROR: INVALID OR MISSING "EXEC" VALUE - MUST BE NUMERIC 0 - 32767**

- Explanation:** The MAXEXEC startup option was specified incorrectly.
- System action:** A default of 0 (zero) is used.
- User response:** Correct for future use.

**CKSE5092 WARNING: PROD-MODE FOR "PANEL" ENABLED BY FORCE**

- Explanation:** You have coded PROD-MODE=FORCE.
- System action:** Forces PROD-MODE.
- User response:** None.

**CKSE5093 ADDRESS SPACE ALREADY MARKED NON-SWAPPABLE**

- Explanation:** The startup option NON-SWAP = YES has been specified or allowed to default and NC-PASS is already marked as non-swappable.
- System action:** None.
- User response:** If NC-PASS is to run with address space marked swappable, specify NON-SWAP=NO and restart NC-PASS.

**CKSE5094 \*\*WARNING\*\* YOUR LICENSE EXPIRES WITHIN 14 DAYS**

- Explanation:** The code specified on the CODE = startup parameter is valid but due to expire within the next 14 days.
- System action:** NC-PASS will not start without a valid code.
- User response:** Contact your local PassGo Technologies support office.

**CKSE5095 ERROR: INVALID TRACE EXEC MASK**

- Explanation:** An invalid value was specified for the TRACE-EXEC startup option.
- System action:** NC-PASS abends with U203.
- User response:** Specify a valid mask value and restart NC-PASS.

**CKSE5096 ERROR: "PANEL" LIBRARY OPEN FAILURE**

**Explanation:** During initialization NC-PASS encountered an error while opening the PANEL library.

**System action:** NC-PASS cannot function without any panel definitions and abends with U203.

**User response:** Check the PANEL DD statement, correct and rerun.

**CKSE5097 WARNING: "PBLIB" LIBRARY OPEN FAILURE**

**Explanation:** During initialization NC-PASS encountered an error while opening the PBLIB library.

**System action:** The PBLIB library is not essential to NC-PASS execution, so NC-PASS will continue to execute.

**User response:** Check the PBLIB file.

**CKSE5098 SUPERFLUOUS CHARACTERS FOUND IN SUFF=PARM**

**Explanation:** You have entered more than one character in the SUFF = parameter.

**System action:** Extra characters are ignored and NC-PASS continues to run.

**User response:** Correct and retry.

**CKSE5101 NCILOG1 DD STATEMENT NOT CODED - ABENDING 201**

**Explanation:** You have not coded an NCILOG1 DD statement.

**System action:** NC-PASS terminates with U201.

**User response:** Correct and retry.

**CKSE5102 NCILOG2 DD STATEMENT NOT CODED - ABENDING 201**

**Explanation:** You have not coded an NCILOG2 DD statement.

**System action:** NC-PASS terminates with U201.

**User response:** Correct and retry.

**CKSE5103 \*\*WARNING\*\* NO CURRENT STARTUP CODE FOUND**

**Explanation:** The code specified on the CODE = startup parameter is valid but has expired or is not valid for this CPU.

**System action:** NC-PASS will not start.

**User response:** Contact your local PassGo Technologies support office.

**CKSE5104 \*\*WARNING\*\* EXPIRY CODE ACCEPTED TEMPORARILY**

**Explanation:** The code specified on the CODE = startup parameter is valid but has expired or is not valid for this CPU. A courtesy NC-PASS startup is allowed on a temporary basis.

**System action:** The expired code is written to the NCI log and indicated as invalid.

**User response:** Contact your local PassGo Technologies support office.

**CKSE5105 \*\*WARNING\*\* COURTESY STARTUP. PLEASE CONTACT**

**Explanation:** A courtesy startup of NC-PASS, as described above, has been performed.

**System action:** None.

**User response:** Contact your local PassGo Technologies support office.

**CKSE5106 \*\*WARNING\*\* YOUR LOCAL SUPPORT CENTER URGENTLY**

**Explanation:** A courtesy startup of NC-PASS, as described above, has been performed.

**System action:** None.

**User response:** Contact your local PassGo Technologies support office.

**CKSE5107 SUPERFLUOUS CHARACTERS FOUND IN JCL PARM**

**Explanation:** An unknown parameter has been found in PARM=.

**System action:** The error is ignored.

**User response:** Correct for future use.

**CKSE5108 INVALID OPERAND FOUND IN JCL PARM**

**Explanation:** An invalid parameter has been found in PARM=.

**System action:** The error is ignored.

**User response:** Correct for future use.

**CKSE5109 SUPERFLUOUS CHARACTERS FOUND IN OPER= PARM**

**Explanation:** The OPER= parameter has an invalid character (ie not Y or N).

**System action:** A default of Y is used.

**User response:** Correct for future use.

**CKSE5110 BUFF=X... PARM INVALID ON NON-XA SYSTEM**

**Explanation:** You are running on a non-XA system and have coded BUFF=X.

**System action:** The parameter is ignored.

**User response:** Correct for future use.

**CKSE5111 SUPERFLUOUS CHARACTERS FOUND IN STCK=PARM**

**Explanation:** The STCK= parameter has an invalid character (ie not Y or N).

**System action:** A default of N is used.

**User response:** Correct for future use.

**CKSE5112 SUPERFLUOUS CHARACTERS FOUND IN MODE= PARM**

**Explanation:** The MODE= parameter has an invalid character (ie not ENHANCED).

**System action:** A default of STANDARD is used.

**User response:** Correct for future use.

**CKSE5113 MPFX=PARM LENGTH (8 CHARS) EXCEEDED**

**Explanation:** The length of the MPFX= parameter exceeds 8 characters.

**System action:** A default of NCI is used.

**User response:** Correct for future use.

**CKSE5114 NON-NUMERIC CHARACTER FOUND IN BUFF= PARM**

**Explanation:** A non-numeric character was found in the BUFF= parameter (specifying the number of print buffer lines).

**System action:** A default of 1000 is used.

**User response:** Correct for future use.

**CKSE5115 BUFF= PARM MUST BE IN THE RANGE 100-32767**

**Explanation:** A number outside the permitted range was found in the BUFF= parameter.

**System action:** A default of 1000 is used.

**User response:** Correct for future use.

**CKSE5116 BUFF=PARM TOO LARGE; RESET TO 32767**

**Explanation:** A number larger than 32767 was found in the BUFF= parameter.

**System action:** The value is reset to 32767.

**User response:** Correct for future use.

**CKSE5117 NON-NUMERIC CHARACTER FOUND IN SVAR= PARM**

**Explanation:** A non-numeric character was found in the SVAR= parameter (specifying the number of hash chains for system variables).

**System action:** A default of 100 is used.

**User response:** Correct for future use.

**CKSE5118 SVAR= PARM MUST BE IN THE RANGE 2-32767**

- Explanation:** A number outside the permitted range was found in the SVAR= parameter.
- System action:** A default of 100 is used.
- User response:** Correct for future use.

**CKSE5119 NON-NUMERIC CHARACTER FOUND IN UVAR= PARM**

- Explanation:** A non-numeric character was found in the UVAR= parameter (specifying the number of hash chains for user variables).
- System action:** A default of 10 is used.
- User response:** Correct for future use.

**CKSE5120 UVAR= PARM MUST BE IN THE RANGE 2-32767**

- Explanation:** A number outside the permitted range was found in the UVAR= parameter.
- System action:** A default of 10 is used.
- User response:** Correct for future use.

**CKSE5121 NON-NUMERIC CHARACTER FOUND IN SQUE= PARM**

- Explanation:** A non-numeric character was found in the SQUE= parameter (specifying the number of hash chains for system queue headers).
- System action:** A default of 100 is used.
- User response:** Correct for future use.

**CKSE5122 SQUE= PARM MUST BE IN THE RANGE 2-32767**

- Explanation:** A number outside the permitted range was found in the SQUE= parameter.
- System action:** A default of 100 is used.
- User response:** Correct for future use.

**CKSE5123 NON-NUMERIC CHARACTER FOUND IN UQUE= PARM**

- Explanation:** A non-numeric character was found in the UQUE= parameter (specifying the number of hash chains for user queue headers).
- System action:** A default of 2 is used.
- User response:** Correct for future use.

**CKSE5124 UQUE= PARM MUST BE IN THE RANGE 2-32767**

- Explanation:** A number outside the permitted range was found in the UQUE= parameter.
- System action:** A default of 2 is used.
- User response:** Correct for future use.

**CKSE5125 NON-NUMERIC CHARACTER FOUND IN SLUS= PARM**

- Explanation:** A non-numeric character was found in the SLUS= parameter (specifying the number of hash chains for Terminal Control Blocks).
- System action:** A default of 100 is used.
- User response:** Correct for future use.

**CKSE5126 SLUS= PARM MUST BE IN THE RANGE 2-32767**

**Explanation:** A number outside the permitted range was found in the SLUS= parameter.

**System action:** A default of 100 is used.

**User response:** Correct for future use.

**CKSE5127 NON-NUMERIC CHARACTER FOUND IN SPNL= PARM**

**Explanation:** A non-numeric character was found in the SPNL= parameter (specifying the number of hash chains for panel headers).

**System action:** A default of 100 is used.

**User response:** Correct for future use.

**CKSE5128 SPNL= PARM MUST BE IN THE RANGE 2-32767**

**Explanation:** A number outside the permitted range was found in the SPNL= parameter.

**System action:** A default of 100 is used.

**User response:** Correct for future use.

**CKSE5129 NON-NUMERIC CHARACTER FOUND IN UVBL= PARM**

**Explanation:** A non-numeric character was found in the UVBL= parameter (specifying the size of the block of storage used to hold user variables).

**System action:** A default of 0 is used.

**User response:** Correct for future use.

**CKSE5130 UVBL= PARM MUST BE IN THE RANGE 2-32767**

**Explanation:** A number outside the permitted range was found in the UVBL= parameter.

**System action:** A default of 0 is used.

**User response:** Correct for future use.

**CKSE5135 \*\*WARNING\*\* NOT RUNNING AUTHORIZED - PRODUCTION CODE IGNORED**

**Explanation:** An invalid production code has been entered in the CODE= parameter.

**System action:** The production code is ignored.

**User response:** To run authorized, a valid production code must be obtained from your support office.

**CKSE5136 ADDRESS SPACE RUNNING SWAPPABLE**

**Explanation:** The NON-SWAP= parameter has been entered with NO specified.

**System action:** Execution will continue but response times may fluctuate in a heavy paging/swapping environment as NC-PASS is swapped in and out.

**User response:** None.

**CKSE5137 ADDRESS SPACE MARKED NON-SWAPPABLE**

**Explanation:** NC-PASS has made itself non-swappable.

**System action:** None.

**User response:** None. This message is for information only.

**CKSE5138 ADDRESS SPACE RUNNING AUTHORIZED**

**Explanation:** NC-PASS is running authorized.

**System action:** None.

**User response:** None. This message is for information only.

#### **CKSE5139 ADDRESS SPACE NOT AUTHORIZED**

- Explanation:** NC-PASS is not running authorized.  
**System action:** None.  
**User response:** None. This message is for information only.

#### **CKSE5140 WARNING - UNABLE TO RUN NON-SWAPPABLE**

- Explanation:** The NON-SWAP= parameter has been entered with YES specified. NC-PASS cannot honor this because the task is not running from APF-authorized libraries.  
**System action:** NC-PASS runs swappable.  
**User response:** Ensure the task is running from APF-authorized libraries.

#### **CKSE5141 NCI VERSION *v.r.m* RELEASED *dd mmm yyyy* FOR *xxx***

- Explanation:** This is an information message issued at startup providing NCI version, release, mod level, date of release and system (MVS/VM).  
**System action:** Startup continues.  
**User response:** None.

#### **CKSE5149 startup statement**

- Explanation:** This is a copy of a NC-PASS statement as it is being read from the startup file. If the statement contains sensitive information, such as product code, the information is replaced with asterisks.  
**System action:** If the statement is in error it will be followed by one or more error messages; otherwise processing continues.  
**User response:** None.

#### **CKSE5150 WARNING - PREVIOUS UPDATE SECTION FOR START UP PANEL INCOMPLETE WITHIN INTERVAL**

- Explanation:** NC-PASS has not finished processing the last update.  
**System action:** Ignored this time round.  
**User response:** None.

#### **CKSE5151 TERMINAL *term-id* INVALID BIND PARAMETERS**

- Explanation:** Terminal *term-id* has rejected a bind request from NC-PASS.  
**System action:** NC-PASS will try to recover the terminal.  
**User response:** Review logmode if problem persists.

#### **CKSE5152 RECOVERY FOR TERMINAL *term-id* FAILED**

- Explanation:** NC-PASS has tried to recover the terminal and recovery has failed.  
**System action:** There is no further recovery.  
**User response:** Review logmode.

#### **CKSE5153 TERMINAL *term-id* CONNECTED = LOGMODE *logmode***

- Explanation:** This message is for information only.  
**System action:** None.  
**User response:** None.

#### **CKSE5154 INVALID MODIFY COMMAND**

- Explanation:** A console operator MODIFY has been issued with an invalid NC-PASS function.  
**System action:** The command is ignored.  
**User response:** Correct and retry.

**CKSE5155 VTAM HALT COMMAND ISSUED**

**Explanation:** VTAM has been stopped.

**System action:** NC-PASS terminates.

**User response:** None.

**CKSE5156 VTAM HALT QUICK OR V INACT I OR F ISSUED**

**Explanation:** The NC-PASS ACB has become inactive.

**System action:** NC-PASS terminates.

**User response:** None.

**CKSE5157 VTAM HALT CANCEL ISSUED**

**Explanation:** VTAM has been terminated.

**System action:** NC-PASS terminates.

**User response:** None.

**CKSE5158 INVALID CONNECTION ATTEMPT BY *xxxx***

**Explanation:** This message is for information only.

**System action:** None.

**User response:** Report to your local PassGo Technologies support office.

**CKSE5170 CREATING PANEL *pan-id***

**Explanation:** NC-PASS is creating panel *pan-id*. This message is for information only.

**System action:** None.

**User response:** None.

**CKSE5171 COPYING PANEL *pan-id***

**Explanation:** NC-PASS is copying panel *pan-id*. This message is for information only.

**System action:** None.

**User response:** None.

**CKSE5172 ERROR: ATTRIBUTE CHARACTER INVALID**

**Explanation:** The panel build processor has found an invalid character for use as an attribute.

**System action:** The panel is not built. Error handling exec NCERROR is invoked.

**User response:** Correct and retry.

**CKSE5173 ERROR: ATTRIBUTE ASSIGNMENT INVALID**

**Explanation:** The panel build processor has found an error in the specification of an attribute character for a panel. The invalid statement is listed before this message.

**System action:** The panel is not built. Error handling exec NCERROR is invoked.

**User response:** Correct and retry.

**CKSE5174 ERROR: CHARACTER MISSING OR INVALID**

**Explanation:** The PANEL build processor could not locate a single character on an ATTRIBUTE statement to assign as an attribute.

**System action:** The panel is not built. Error handling exec NCERROR is invoked.

**User response:** Correct and retry.

**CKSE5175 ERROR: INVALID FUNCTION FOR PANEL SECTION**

**Explanation:** An invalid function has been found in the )PANEL section.  
**System action:** The panel is not built. Error handling exec NCERROR is invoked.  
**User response:** Correct and retry.

**CKSE5176 ERROR: PANEL SECTION NOT DEFINED FIRST**

**Explanation:** During panel build processing, NC-PASS found an error in the order of panel sections.  
**System action:** The panel is not built. Error handling exec NCERROR is invoked.  
**User response:** Correct and retry.

**CKSE5177 ERROR: NO OR INVALID FUNCTION SPECIFIED**

**Explanation:** A statement contains no function, or the function is invalid for the )PANEL section.  
**System action:** The panel is not built. Error handling exec NCERROR is invoked.  
**User response:** Correct and retry.

**CKSE5178 ERROR: UNAUTHORIZED FUNCTION SPECIFIED**

**Explanation:** A function has been found in a panel statement which is not authorized for this level of NC-PASS.  
**System action:** The panel is not built. Error handling exec NCERROR is invoked.  
**User response:** Correct and retry.

**CKSE5179 PANEL *pan-id* CREATED SUCCESSFULLY LAST FIX *fix*: LEVEL *n.n.n***

**Explanation:** NC-PASS has successfully built an incore copy of the panel *pan-id*. The optional suffix to the message providing fix information will appear for distributed PDLIB routines. The suffix will not appear for PANEL routines compiled using NC-COMPILE. *fix* shows the fix number or **\*\*BASE\*\*** if no fixes have been applied; LEVEL is for PassGo Technologies internal use only.  
**System action:** None.  
**User response:** None.

**CKSE5180 ERROR: ALLOCATION, OPEN OR RECFM ERROR**

**Explanation:** NC-PASS could neither open nor allocate the library indicated by the PANEL DD statement or the PANEL FILEDEF command. This library must be cataloged and only record formats (RECFM) of F, FB, V or VB are supported.  
**System action:** The panel is not built. Error handling exec NCERROR is invoked.  
**User response:** Correct and retry.

**CKSE5181 PANEL CONTAINS INVALID STATEMENTS - SEE PREVIOUS CONSOLE MESSAGES FOR ERROR**

**Explanation:** During the building of an incore copy of a panel at least one invalid statement was encountered. The statement(s) in error precede this message on the NCI log file.  
**System action:** This message is generated as part of the invocation of the error handling exec NCERROR.  
**User response:** Correct error(s) and retry.

**CKSE5182 ERROR: *pan-id* PANEL NOT AUTHORIZED**

**Explanation:** An attempt has been made to execute a panel for a NC-PASS product which is not licensed for this NC-PASS job.  
**System action:** The panel is not built. Error handling exec NCERROR is invoked.  
**User response:** Ensure you are using the correct product code for this job.

**CKSE5183 PANEL CREATION FAILED - SEE PREVIOUS CONSOLE MESSAGES**

**Explanation:** During the construction of an incore copy of a panel at least one error condition occurred. A detailed description of the error precedes this message on the NCILOG file.  
**System action:** This message is generated as part of the invocation of the error handling exec NCERROR.  
**User response:** Correct error(s) and retry.

#### **CKSE5184 SESSION TERMINATED - ERROR COUNT EXCEEDED OR PROBABLE LOOP**

- Explanation:** Sixteen successive attempts have been made to execute panels which could not be built due to errors.
- System action:** The error message is output and the session terminated to avoid a possible loop condition.
- User response:** Correct the panel(s) in error; ensure that the code executing the panel(s) does not create an infinite loop of panel executions.

#### **CKSE5185 ERROR: INVALID SUBSTRING VALUES SPECIFIED**

- Explanation:** The statement listed before this message contains a substring with invalid syntax.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5186 ERROR: OPERATOR NOT EQ, LT, GT, LE, GE, NE, =, ≠, +, <>, >, <, >=, <=**

- Explanation:** The statement listed before this message contains a verb which requires an algebraic operator as part of its syntax. However the specified parameter is not in the accepted list.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5187 ERROR: OPERATOR NOT "="**

- Explanation:** The statement listed before this message contains a verb which requires the equals sign (=) as its operator, but it was incorrectly specified.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5188 ERROR: INVALID CONJUNCTION**

- Explanation:** An NCI verb which allows the specification of a conjunction, eg SET, has been coded in an invalid format.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5189 ERROR: NO OR INVALID OPERANDS SPECIFIED**

- Explanation:** During panel build processing, NC-PASS found a statement either without required operands or with invalid operands.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5190 ERROR: INVALID NUMBER OF OPERANDS**

- Explanation:** The NCI verb listed before this message has been specified with an incorrect number of operands.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5191 \*\*WARNING\*\* PANEL-STORAGE LIMIT EXCEEDED - NUMBER OF BYTES NEEDED = nn,nnn,nnn,nnn**

- Explanation:** NC-PASS cannot maintain the panel storage limit specified at startup. All panels in storage are in use. More space is needed.
- System action:** The required extra storage is obtained and processing continues.
- User response:** If this problem occurs frequently, increase panel storage to decrease the scavenge frequency.

#### **CKSE5192 ERROR: UNABLE TO BUILD PANEL *pan-id***

- Explanation:** During the building of an incore copy of a panel at least one invalid statement was encountered. The statement(s) in error follow this message on the NCI log file.
- System action:** This message is generated as part of the invocation of the error handling exec NCERROR.
- User response:** Correct error(s) and retry.

#### **CKSE5193 PANEL LIBRARY RECORD LENGTH GREATER THAN 132 (FIXED) OR 136 (VARIABLE) CHARACTERS**

- Explanation:** The maximum LRECL which may be specified for a panel library with a RECFM of F or FB is 132. The maximum LRECL which may be specified for a panel library with a RECFM of V or VB is 136.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct the LRECL for the panel library.

#### **CKSE5194 ERROR: NO OR INVALID SECTION DEFINED**

- Explanation:** During PANEL build processing, NC-PASS found an invalid section header, or a required section header was missing.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5195 ERROR: BODY OF PANEL EXCEEDS PANEL LENGTH**

- Explanation:** During panel build processing, NC-PASS found that the length of a panel )BODY section exceeded the size defined by the ROWS statement.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5196 ERROR: PANEL NOT DELIMITED BY )END**

- Explanation:** As a precaution against missing statements within panel definitions, NC-PASS insists on all panels being delimited by an )END statement.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5197 ERROR: PANEL WIDTH NOT 40, 80 OR 132**

- Explanation:** The width of the panel defined by the COLUMNS statement is invalid. NC-PASS supports panels with a width of 40, 80 or 132.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5198 ERROR: PANEL LENGTH NOT 12, 24, 27, 32 OR 43**

- Explanation:** The length of the panel as defined by the ROWS statement is invalid. NC-PASS supports panels 12, 24, 27, 32 or 43 lines long.
- System action:** The panel is not built. Error handling exec NCERROR is invoked.
- User response:** Correct and retry.

#### **CKSE5199 UNABLE TO BUILD STARTUP PANEL, ABENDING 203**

- Explanation:** During the building of the panel specified on the STARTUP-PANEL startup option, at least one invalid statement was encountered. The statement(s) in error precede this message in the NCI log file.
- System action:** NC-PASS terminates with user code 203.
- User response:** Correct the error(s) in the panel and retry.

#### **CKSE5201 ERROR: ABOVE TDT CARD IS INVALID**

- Explanation:** During initialization or an on-line update of the Terminal Definitions Table (TDT), NC-PASS found syntax errors in the member containing the definitions.
- System action:** The card or cards in error will be written to the NCILOG file before this message. If an on-line update is being performed, the TDT is not updated. If during startup, NC-PASS terminates with user code 203.
- User response:** Correct the card(s) in error and retry.

#### **CKSE5202 ERROR: ABOVE CARD NOT MEMBER OF GROUP**

- Explanation:** During initialization or an on-line update of the Terminal Definitions Table (TDT), NC-PASS found a card not preceded by a GROUP definition and could not process it.
- System action:** The card or cards in error will be written to the NCILOG file before this message. If an on-line update is being performed, the TDT is not updated. If during startup, NC-PASS terminates with user code 203.
- User response:** Correct the card(s) in error and retry.

#### **CKSE5203 ERROR: NO PANEL AND OR TERMINAL STATEMENTS DEFINED FOR GROUP**

- Explanation:** During initialization or an on-line update of the Terminal Definitions Table (TDT), NC-PASS found a GROUP definition that contained no associated TERMINAL or PANEL definitions.
- System action:** The card or cards in error will be written to the NCILOG file before this message. If an on-line update is being performed, the TDT is not updated. If during startup, NC-PASS terminates with user code 203.
- User response:** Correct the card(s) in error and retry.

#### **CKSE5204 ERROR: UNABLE TO OPEN TDT LIBRARY**

- Explanation:** During initialization or an on-line update of the Terminal Definitions Table (TDT), NC-PASS could not open the dataset that contains the member. This can be due to a device malfunction or an I/O error.
- System action:** If an on-line update is being performed, the TDT is not updated. If during startup, NC-PASS terminates with user code 203.
- User response:** If during startup, check that the TDT DD statement in the execution JCL is correct. If during on-line update, check that the member has been entered correctly.

#### **CKSE5205 T.D.T. BUILD SUCCESSFUL**

- Explanation:** NC-PASS has successfully built an incore copy of the TDT (Terminal Definition Table).
- System action:** None.
- User response:** None. This message is for information purposes.

#### **CKSE5206 card-image**

- Explanation:** This is a copy of the TDT card in error.
- System action:** An error message explaining the error will follow.
- User response:** Correct and retry.

#### **CKSE5207 ERROR: MULTIPLE PANEL STATEMENTS DEFINED**

- Explanation:** During initialization, or an online update of the Terminal Definitions Table (TDT), NC-PASS encountered a GROUP definition that contained more than one associated PANEL definition.
- System action:** The card or cards in error will be written to the NCILOG file before this message. If an on-line update is being performed, the TDT is not updated. If during startup, NC-PASS terminates with user code 203.
- User response:** Correct the card(s) in error and retry.

#### **CKSE5210 UPDATE PROCESSING ENABLED AND INTERVAL = *nnn***

- Explanation:** UPDATE-INTERVAL = *nnn* was specified at NC-PASS initiation, or allowed to default to *nnn*.
- System action:** Processing continues.
- User response:** None. This message is for information only.

#### **CKSE5211 UPDATE PROCESSING ENABLED BUT QUIESCED**

- Explanation:** UPDATE-INTERVAL = 0 was specified at NC-PASS initiation. Update processing may be started subsequently using the UPDATE *nnn* statement.
- System action:** Processing continues.
- User response:** None. This message is for information only.

#### **CKSE5213 UPDATE PROCESSING RESTARTED, INTERVAL = *nnn***

- Explanation:** Update processing, which was previously quiesced, has been restarted as a result of an UPDATE *nnn* statement.
- System action:** None.
- User response:** None. This message is for information only.

#### **CKSE5214 UPDATE INTERVAL CHANGED, NEW INTERVAL = *nnn***

- Explanation:** An UPDATE *nnn* statement has been executed. The timer interval used for controlling )UPDATE processing has been changed to *nnn* seconds.
- System action:** None.
- User response:** None. This message is for information only.

#### **CKSE5215 UPDATE INITIATED BY REQUEST**

- Explanation:** An immediate update cycle has been initiated as a result of an UPDATE statement with no operands specified.
- System action:** None.
- User response:** None. This message is for information only.

#### **CKSE5216 ABEND - UPDATE PROCESSING TERMINATED**

- Explanation:** A system error has occurred.
- System action:** Update processing is terminated.
- User response:** Report this message to your PassGo Technologies support office.

#### **CKSE5218 SESSION TERMINATED - ERROR COUNT EXCEEDED OR PROBABLE LOOP**

- Explanation:** Sixteen successive attempts have been made to execute panels which could not be built due to errors.
- System action:** The error message is output and the session terminated to avoid a possible loop condition.
- User response:** Correct the panel(s) in error; ensure that the code executing the panel(s) does not create an infinite loop of panel executions.

#### **CKSE5220 MODIFY COMMAND RECEIVED: *command***

- Explanation:** The command, *command*, was entered from a system operator console.
- System action:** The command is verified, and if correct, executed.
- User response:** None. This message is for information only.

#### **CKSE5221 ABEND IN PROGRESS**

- Explanation:** A system operator console command has requested an ABEND.
- System action:** NC-PASS abends with user abend code 206.
- User response:** None.

#### **CKSE5222 STILL PROCESSING PREVIOUS MODIFY COMMANDS**

- Explanation:** A command was entered from a system operator console but a command was already being processed.
- System action:** The requested command is not processed.
- User response:** Re-enter the system operator console command.

#### **CKSE5223 INVALID MODIFY COMMAND**

- Explanation:** An invalid command was entered from a system operator console.
- System action:** None.
- User response:** Re-enter the system operator console command correctly.

#### CKSE5224 EXTENDED MODIFY DISABLED BY STARTUP OPTION

- Explanation:** A command from the extended control set was entered from a system operator console but EXTENDED MODIFY support was not enabled by the specification of EXTENDED-MODIFY=YES.
- System action:** The command is not processed.
- User response:** Restart NC-PASS with startup option EXTENDED-MODIFY=YES if required.

#### CKSE5226 PANEL *name* MARKED FOR DELETION

- Explanation:** The NC-PASS panel *name* has been marked for deletion as a result of an NC-PASS delete command.
- System action:** A new copy of the panel is dynamically loaded when it is next referenced. The old copy is deleted when its panel user count reaches zero.
- User response:** None. This message is for information only.

#### CKSE5227 CURRENT LOGLEVEL VALUE SET TO *n*

- Explanation:** The level at, or below which, log statements are to be written to the NCI log has been set by use of the LOGLEVEL statement.
- System action:** Messages from all LOG statements whose *level* operand is less than or equal to the LOGLEVEL value will be written to the NCI log.
- User response:** None.

#### CKSE5228 TERMINAL *term-id* FORCED OFF - REMOVED FROM DIRECTORY

- Explanation:** A user at terminal *term-id* has issued an NCI command that requires information from the TDT, but the entry for the terminal has been removed since NCI was started.
- System action:** The terminal is logged off.
- User response:** None.

#### CKSE5229 MAXIMUM STARTED TASKS LIMIT REACHED

- Explanation:** An internal error has occurred.
- System action:** Error recovery processing is invoked.
- User response:** Contact your local PassGo Technologies support office.

#### CKSE5230 ATTACH OF STARTED TASK FAILED

- Explanation:** An internal error has occurred.
- System action:** Error recovery processing is invoked.
- User response:** Contact your local PassGo Technologies support office.

#### CKSE5231 SWITCH LOG REQUESTED

- Explanation:** A switch log command has been issued to request NC-PASS to close the active log and switch to the alternate one.
- System action:** Requested action is performed.
- User response:** None. This message is for information purposes.

#### CKSE5232 TRACE OPTIONS SET - *option option option*

- Explanation:** NC-PASS has invoked the trace options listed in response to a TRACE verb.
- System action:** Tracing is invoked (or halted) according to the listed options.
- User response:** None. This message is for information purposes.

#### CKSE5233 TRACE EXEC MASK SET - *mask*

- Explanation:** The Exec tracing mask has been set to *mask* as a result of a TRACEEXEC statement.
- System action:** Subsequent tracing is limited to the panel(s) or exec routine(s) according to the mask.
- User response:** None. This message is for information only.

**CKSE5234 TRACE TERMINAL MASK SET - *mask***

**Explanation:** The terminal tracing mask has been set to *mask* as a result of a TRACETERM statement.  
**System action:** Subsequent tracing is limited to the terminal(s) according to the mask.  
**User response:** None. This message is for information only.

**CKSE5235 TRACEVAR MASKS RESET**

**Explanation:** Any tracing of selected variables through the use of the TRACEVAR statement has been reset.  
**System action:** Selected variables are no longer traced.  
**User response:** None. This message is for information only.

**CKSE5236 TRACEVAR MASK SET FOR VARIABLE - *&varname***

**Explanation:** The TRACEVAR statement has been used to specify that variable *&varname* should be traced.  
**System action:** Subsequent references to the variable (by SET RESOLVE or RESET) will cause details of the variable to be written to the NCI log file.  
**User response:** None. The message is for information only.

**CKSE5237 TRACEVAR OPERAND ERROR - OPERAND IGNORED**

**Explanation:** An operand of the TRACEVAR statement was invalid.  
**System action:** Trace masks for operands in error remain unchanged.  
**User response:** See message CKSE5240 for statements which have had their masks set successfully.

**CKSE5238 TRACEVAR COMMAND IN ERROR - NO MASKS SET/RESET**

**Explanation:** One or more variable operands of the TRACEVAR statement contain invalid variable names.  
**System action:** Trace masks remain unchanged.  
**User response:** Correct errors to set/reset masks as required and rerun.

**CKSE5239 TRACEVERB MASKS RESET**

**Explanation:** The TRACEVAR statement has been used to reset any tracing of selected verbs.  
**System action:** Trace masks are reset; processing continues.  
**User response:** None.

**CKSE5240 TRACEVERB MASK SET FOR VERB - *verb***

**Explanation:** The TRACEVERB statement has been used to specify that verb *verb* should be traced.  
**System action:** The trace mask is set for verb *verb*.  
**User response:** None.

**CKSE5241 TRACEVERB VERB UNKNOWN - OPERAND IGNORED**

**Explanation:** An operand on the TRACEVERB statement has specified a verb which is unknown to NCI.  
**System action:** The operand is ignored.  
**User response:** Correct the operand and re-issue the TRACEVERB statement.

**CKSE5242 TRACEVERB SYSTEM ERROR - CONTACT SUPPORT OFFICE**

**Explanation:** An internal error has occurred.  
**System action:** Processing continues.  
**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5246 ERROR BUILDING ERROR RECOVERY EXEC NCERRX**

**Explanation:** An error has occurred but NC-PASS is unable to display the error reporting/recovery panel.  
**System action:** Processing continues.  
**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5247 16 ERRORS OCCURRED WITHOUT PANEL SEND**

- Explanation:** An error has occurred which has probably caused a recursive loop. This message is followed by message CKSE5248.
- System action:** The terminal is released and processing is terminated. If the occurrence is during startup, NC-PASS abends U203.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5248 PROBABLE ERROR RECURSION**

- Explanation:** An error has occurred which has probably caused a recursive loop. This message is preceded by message CKSE5247.
- System action:** The terminal is released and processing is terminated. If the occurrence is during startup, NC-PASS abends U203.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5249 PROBABLE ERROR RECURSION - ABENDING 203**

- Explanation:** An error has occurred during startup which has probably caused a recursive loop. This message is preceded by messages CKSE5247 and CKSE5248.
- System action:** NC-PASS abends U203.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5250 ===== NCI ABEND =====**

- Explanation:** An abnormal end (abend) has occurred; this is the heading line for details to follow.
- System action:** Details are reported and error recovery processing is invoked.
- User response:** Report this error to your local PassGo Technologies support office.

**CKSE5251 ===== NCESTAE COMPLETE =====**

- Explanation:** ESTAE error recovery processing has completed successfully and all relevant fields have been printed.
- System action:** Processing is restarted.
- User response:** Report this error to your local PassGo Technologies support office.

**CKSE5252 MAINTASK ABEND PROCESSING MODULE *name* AT OFFSET *offset* CODE *Snnnnnn Unnnn***

- Explanation:** An abnormal end (abend) has occurred. This message gives you some details of the error; it follows the heading line (CKSE5250) and is continued by message CKSE5253.
- System action:** Further details are reported and error recovery is involved.
- User response:** Report this error to your local PassGo Technologies support office.

**CKSE5253 CALLED FROM MODULE *name* AT OFFSET *offset***

- Explanation:** An abnormal end (abend) has occurred. This message is a continuation of the details in message CKSE5252.
- System action:** Further details are reported and error recovery is involved.
- User response:** Report this error to your local PassGo Technologies support office.

**CKSE5254 ABNORMAL TERMINATION IN PROGRESS**

- Explanation:** This message is output to the operator console (WTO) when an abnormal end (abend) has occurred. Messages CKSE5250, CKSE5251, CKSE5252 and CKSE5253 will be written to the NCI log.
- System action:** Further details are reported to the NCI log and error recovery is invoked.
- User response:** Report this error to your local PassGo Technologies support office.

**CKSE5256 24BIT VSM - nnnnn BYTE QUEUE, ELEMENTS TAKEN = nnnnnnn, LEFT = nnnnnnn**

- Explanation:** During close down, this message displays statistics concerning Virtual Storage Manager queues for storage below the 16 Megabyte line.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5257 31BIT VSM - nnnnn BYTE QUEUE, ELEMENTS TAKEN = nnnnnnn, LEFT = nnnnnnn**

- Explanation:** During close down, this message displays statistics concerning Virtual Storage Manager queues for storage below the 16Megabyte line.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5258 STATEMENT EXECUTION MONITOR**

- Explanation:** During close down, this message precedes the output produced by the NCI Statement Execution Monitor.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5259 : : :**

- Explanation:** During close down, this message displays details of the NCI Statement Execution Monitor.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5260 TOTAL GETMAIN/FREEMAIN SVC'S ISSUED = nnnnnnnnnnnnnnn**

- Explanation:** This message displays the total number of GETMAIN/FREEMAIN SVCs issued by the NCI virtual storage manager.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5261 TOTAL GETMAIN/FREEMAIN SVC'S SAVED = nnnnnnnnnnnnnnn**

- Explanation:** This message displays the total number of GETMAIN/FREEMAIN SVCs saved by the NCI virtual storage manager.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5262 TOTAL LOAD MODULE BYTES BELOW LINE = nnnnnnnnnnnnnnn**

- Explanation:** This message displays the amount of storage used by NCI modules below the 16 Megabyte line. This does not include storage used by call routines.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5263 TOTAL LOAD MODULE BYTES ABOVE LINE = nnnnnnnnnnnnnnn**

- Explanation:** This message displays the amount of storage used by NCI modules above the 16 Megabyte line. This does not include storage used by call routines.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5264 TOTAL GETMAINED BYTES BELOW LINE = nnnnnnnnnnnnnnn**

- Explanation:** This message displays the amount of GETMAINED storage, in bytes, used by NCI modules below the 16 Megabyte line at shutdown. This does not include storage used to load the NCI modules or storage obtained by user call routines for their own use.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5265 TOTAL LOAD MODULE BYTES ABOVE LINE = nnnnnnnnnnnnn**

- Explanation:** This message displays the amount of GETMAINED storage, in bytes, used by NCI modules above the 16 Megabyte line at shutdown. This does not include storage used to load the NCI modules or storage obtained by user call routines for their own use.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5266 TOTAL AVAILABLE TO BE SAVED BELOW LINE = value1, TOTAL WASTED = value2**

- Explanation:** *value1* displays the total storage below the 16 Megabyte line available for saving by the NCI virtual storage manager. *value2* displays the total storage wasted by the NCI virtual storage manager.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5267 TOTAL AVAILABLE TO BE SAVED BELOW LINE = value1, TOTAL SAVED = value2**

- Explanation:** *value1* displays the total storage below the 16 Megabyte line available for saving by the NCI virtual storage manager. *value2* displays the total storage saved by the NCI virtual storage manager.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5268 TOTAL AVAILABLE TO BE SAVED ABOVE LINE = value1, TOTAL WASTED = value2**

- Explanation:** *value1* displays the total storage above the 16 Megabyte line available for saving by the NCI virtual storage manager. *value2* displays the total storage wasted by the NCI virtual storage manager.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5269 TOTAL AVAILABLE TO BE SAVED ABOVE LINE = value1, TOTAL SAVED = value2**

- Explanation:** *value1* displays the total storage above the 16 Megabyte line available for saving by the NCI virtual storage manager. *value2* displays the total storage saved by the NCI virtual storage manager.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5270 TOTAL VTAM BUFFER SHORTAGES = value1, VTAM RPLUSFLD ERRORS = value2**

- Explanation:** *value1* displays the total number of VTAM buffer shortages and *value2* the total number of VTAM RPL USER FIELD errors that were found by NC-PASS within the duration of the NC-PASS job.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5271 TOTAL PANELS HELD IN STORAGE = value1, TOTAL EXEC ROUTINES = value2**

- Explanation:** *value1* and *value2* display the total number of panels and EXEC routines built and held in storage at shutdown.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5272 PANEL-STORAGE BYTES LIMIT = value1, MAXIMUM BYTES USED = value2**

- Explanation:** *value1* displays the maximum amount of storage in bytes that NC-PASS was allocated to use for building panels, as defined by the PANEL-STORAGE= startup parameter. *value2* displays the highest amount of storage in bytes that NC-PASS actually used for building panels.
- System action:** Close down continues.
- User response:** No action required.

**CKSE5273 TOTAL SUCCESSFUL SCAVENGES = value1, TOTAL FAILED SCAVENGES = value2**

**Explanation:** value1 and value2 display the total number of successful and failed panel scavenges that occurred within the duration of the NC-PASS job.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5274 TOTAL NUMBER OF PANELS DELETED = nnn**

**Explanation:** nnn panels have been deleted.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5275 TOTAL NUMBER OF VEXEC'S ISSUED = value1, TOTAL NCDIALOG EXEC'S = value2**

**Explanation:** This message is for PassGo Technologies internal use only.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5276 TOTAL MODIFY COMMANDS RECEIVED = nnn**

**Explanation:** nnn MODIFY commands have been received.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5277 TOTAL NUMBER SYSTEM VARIABLES = value1, TOTAL USER VARIABLES = value2**

**Explanation:** value1 and value2 display the total number of system and user variables that were defined to NC-PASS at shutdown.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5278 TOTAL NUMBER SYSTEM QUEUES = value1, TOTAL USER QUEUES = value2**

**Explanation:** value1 and value2 display the total number of system and user queues that were defined to NC-PASS at shutdown.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5279 TOTAL SYSTEM QUEUE BYTES = value1, TOTAL USER QUEUE BYTES = value2**

**Explanation:** value1 and value2 display the total amount of storage in bytes used for system and user queues respectively at NC-PASS shutdown.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5280 MAX CONCURRENT STARTED TASKS = value1, MAX NCDIALX GETPARM'S = value2**

**Explanation:** This message is for PassGo Technologies internal use only.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5281 MAX CONCURRENT MODIFY COMMANDS = nnn**

**Explanation:** The maximum number of MODIFY commands which were processed concurrently was nnn.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5282 MAX CONCURRENT ASYNC STATUS COMMANDS = *nnn***

**Explanation:** The maximum number of asynchronous STATUS commands which were processed concurrently was *nnn*.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5283 TOTAL TERMINALS CONNECTED = *nnn***

**Explanation:** The total number of terminals which connected to NCI within the duration of the NCI job was *nnn*.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5284 MODULE *name* TOTAL CALLS = *value1*, CALLS REQUIRING LOAD = *value2***

**Explanation:** Module *name* was called a total of *value1* times and had to be loaded when called *value2* times.

**System action:** Close down continues.

**User response:** No action required.

**CKSE5287 AN ERROR OCCURRED IN THE ERROR-EXEC *name***

**Explanation:** An error occurred in the routine named on the ERROR-EXEC startup option. This message is followed by message CKSE5288.

**System action:** An error panel is displayed if the routine is running for a terminal. Processing of the panel is terminated.

**User response:** Correct the error(s) in the error EXEC routine.

**CKSE5288 ERROR RECURSION DETECTED**

**Explanation:** An error occurred in the routine named on the ERROR-EXEC startup option. This message follows message CKSE5287.

**System action:** An error panel is displayed if the routine is running for a terminal. Processing of the panel is terminated.

**User response:** Correct the error(s) in the error EXEC routine.

**CKSE5289 TREFRESH ISSUED FOR TERMINAL *termid* WITH *panel***

**Explanation:** Terminal *termid* is being refreshed with panel *panel* in response to a TREFRESH statement.

**System action:** The terminal is refreshed.

**User response:** None.

**CKSE5290 PREFRESH ISSUED FOR PANEL *panel1* WITH *panel2***

**Explanation:** A PREFRESH statement has been issued.

**System action:** All terminals displaying *panel1* will be refreshed with *panel2*.

**User response:** None.

**CKSE5292 RECOVERY FOR TERMINAL *termid* ABANDONED, TERMINAL DEFINED NOSIMLOGON.**

**Explanation:** A session has been broken; no recovery is to be attempted because the terminal has been specified as NOSIM in the TDT definition.

**System action:** Session recovery is abandoned.

**User response:** If required, the terminal user should log on to NC-PASS again.

**CKSE5293 UNABLE TO DELETE PANEL *name*, USER COUNT IS *nnnnn***

**Explanation:** Panel *name* has been marked for deletion but it is still in use. NC-PASS cannot recover the storage until it is no longer in use. This message is output if the panel could not be deleted after 12 update intervals as defined by startup options TERMINAL-UPDATE and UPDATE-INTERVAL.

**System action:** NC-PASS will delete the panel when it is no longer in use.

**User response:** None. This is a warning message.

**CKSE5294 DELETING PANEL *name***

**Explanation:** Panel *name* has been marked for deletion and is no longer in use. NC-PASS is recovering the storage.

**System action:** The panel is deleted.

**User response:** None. This message is for information.

**CKSE5295 SCAVENGING PANEL *name***

**Explanation:** The panel storage limit has been reached. NC-PASS is trying to recover some panel storage and panel *name* has been selected.

**System action:** The panel is deleted.

**User response:** None. This message is for information.

**CKSE5296 \*\*WARNING\*\* PANEL-STORAGE LIMIT EXCEEDED - NUMBER OF BYTES NEEDED = *nn,nnn,nnn,nnn***

**Explanation:** NC-PASS cannot maintain the panel storage limit specified at startup. All panels in storage are in use and more space is needed.

**System action:** Processing continues with increased storage.

**User response:** If this occurs frequently, panel storage must be increased.

**CKSE5297 ABEND - PANEL STORAGE MANAGEMENT TERMINATED**

**Explanation:** An internal error has occurred.

**System action:** No further UPDATE processing will occur.

**User response:** Report this error to your local PassGo Technologies support office.

**CKSE5298 TERMINAL *term-id* REJECTED - DISABLED**

**Explanation:** Terminal *term-id* has previously issued a disable command.

**System action:** NC-PASS rejects this logon. The next logon attempt will not be rejected,

**User response:** None.

**CKSE5299 TERMINAL *term-id* REJECTED - NOT DEFINED**

**Explanation:** Terminal *term-id* attempted to connect to NC-PASS, but there is no entry for this terminal in the TDT.

**System action:** NC-PASS rejects this logon.

**User response:** Update the TDT and issue a TERMUPDATE if required.

**CKSE5302 TERMINAL *term-id* LOST - CODE *nn***

**Explanation:** NC-PASS has lost control of terminal *term-id* for one of the following reasons, a device malfunction; the operator has varied the terminal inactive to VTAM or the user has issued the SYSREQ LOGOFF command.

**System action:** An attempt will be made to recover the terminal (unless NOSIM is specified).

**User response:** If the terminal is not recovered, the terminal user should log on when conditions permit.

**CKSE5303 SESSION SUCCESS - TERMINAL *term-id* - APPLICATION *appl***

**Explanation:** NCI successfully passed control of the terminal *term-id* to the application *appl*.

**System action:** None.

**User response:** None. This message is for information purposes.

**CKSE5304 TERMINAL INACTIVE - TERMINAL *term-id* - APPLICATION *appl***

**Explanation:** An error condition classed as non recoverable by VTAM occurred on terminal *term-id*. This is the result of a link error while attempting to connect to application *appl*.

**System action:** NCI does not try to reconnect to the application.

**User response:** Retry when conditions permit.

**CKSE5305 SESSION FAILURE - TERMINAL *term-id* - APPLICATION *appl***

**Explanation:** NCI tried unsuccessfully to connect the terminal *term-id* to the application *appl*.

**System action:** NCI attempts to regain control of the terminal via the SIMLOGON macro.

**User response:** Retry when conditions permit.

**CKSE5306 SESSION CLEANUP - TERMINAL *term-id***

**Explanation:** An error condition classed as non recoverable by VTAM occurred on terminal *term-id*.

**System action:** NCI attempts to regain control of the terminal by creating a new session with it.

**User response:** If NCI fails to regain control, the terminal user should attempt to log on again when conditions permit.

**CKSE5308 RELEASE REQUESTED FOR *term-id***

**Explanation:** Another application has attempted to acquire the terminal by using a SIMLOGON with OPTCD=(RELRQ,Q).

**System action:** If the RELEASE=*panelname* startup option was present, that panel is executed; otherwise the terminal will not be released to the application until NCI/XF surrenders control of it.

**User response:** None. This message is for information only.

**CKSE5310 GETMAIN BY *nnnnnnnn* (+*nnnn*) OF *nnnn* BYTES, *nnnnn* BYTES ALLOCATED AT *nnnnnnnn* FROM VSM BLOCK****CKSE5311 GETMAIN BY *nnnnnnnn* (+*nnnn*) OF *nnnn* BYTES, *nnnnn* BYTES EXPLICITLY GOT FROM *nnnnnnnn*****CKSE5312 GETMAIN BY *nnnnnnnn* (+*nnnn*) OF *nnnn* BYTES, *nnnnn* BYTES EXPLICITLY FREED AT *nnnnnnnn*****CKSE5313 GETMAIN BY *nnnnnnnn* (+*nnnn*) OF *nnnn* BYTES, *nnnnn* BYTE QUEUE ELEMENT GOT FROM *nnnnnnnn* WASTING *nnn*****CKSE5314 GETMAIN BY *nnnnnnnn* (+*nnnn*) OF *nnnn* BYTES, *nnnnn* BYTE QUEUE ELEMENT GOT FROM *nnnnnnnn* SAVING *nnn*****CKSE5315 GETMAIN BY *nnnnnnnn* (+*nnnn*) OF *nnnn* BYTES, *nnnnn* BYTE QUEUE ELEMENT FREED AT *nnnnnnnn*****CKSE5316 CHAINING *nnn* NEW ELEMENTS OF *nnnnn* BYTES, WASTING *nnn* BYTES****CKSE5320 PROBABLE ERROR RECURSION - TERMINATING DIALOG**

**Explanation:** Sixteen errors have occurred as a result of a console operator MODIFY request.

**System action:** Dialog with the console is terminated.

**User response:** See previous NCI log messages to determine the problem(s). Correct and retry.

**CKSE5321 MODIFY COMMAND COMPLETED**

**Explanation:** A console operator MODIFY command has completed successfully.

**System action:** None.

**User response:** None.

**CKSE5322 *message***

**Explanation:** A message has been sent to the console operator via the MESSAGE statement.

**System action:** The message is output to the system console.

**User response:** None.

**CKSE5350-4 PARAMETER ERROR SUPPLIED TO NCVSAM**

**Explanation:** Bad parameter passed for IOVSAM initialization.

**System action:** Open processing terminates.

**User response:** Report the error to your local PassGo Technologies support office.

### CKSE5351-3 NCVSAM INITIALIZATION FAILURE

**Explanation:** Incorrect parameters supplied to NCVSAM.

**System action:** Open processing terminates.

**User response:** Review parameters and correct errors.

### CKSE5352-3 NCVSAM TERMINATION FAILURE

**Explanation:** Error found in termination EXEC.

**System action:** Termination process stops.

**User response:** Report the error to your local PassGo Technologies support office.

### CKSE5353-3 ABEND *code* HAS OCCURRED IN IOVSAM

**Explanation:** An internal error has occurred.

**System action:** NC-VSAM will terminate.

**User response:** Report the message to your local PassGo Technologies support office.

### CKSE5356-4 ALREADY OPEN FOR OUTPUT, OPEN FAILED FOR FILE *filename*

**Explanation:** File *filename* already open for output.

**System action:** Open processing terminates.

**User response:** Ensure file is available for output processing.

### CKSE5357-4 ALREADY OPEN FOR INPUT, OPEN FAILED FOR FILE *filename*

**Explanation:** File *filename* already open for input.

**System action:** Open processing terminates.

**User response:** Ensure file is available for input processing.

### CKSE5358-4 UNABLE TO LOCATE FILE DESCRIPTION FOR *filename* - OPEN FAILED

**Explanation:** Unable to locate file description for file *filename*.

**System action:** Open processing terminates.

**User response:** Report the error to your local PassGo Technologies support office.

### CKSE5359-4 OPEN OF *filename* HAS BEEN PENDING FOR 1 MINUTE

**Explanation:** IOVSAM has been trying for 1 minute to open file *filename*.

**System action:** Allows 3 minutes before open is abandoned.

**User response:** Ensure file is available for opening.

### CKSE5360-4 OPEN OF *filename* HAS BEEN PENDING FOR *n* MINUTES

**Explanation:** IOVSAM has been trying for *n* minutes to open file *filename*.

**System action:** Allows 3 minutes before open is abandoned.

**User response:** Ensure file is available for opening.

### CKSE5361-4 OPEN OF *filename* ABANDONED

**Explanation:** Open of file *filename* abandoned.

**System action:** Open processing terminates.

**User response:** If problem persists contact your local PassGo Technologies support office.

### CKSE5362-4 (IOCLOSE) FREQUENCY *n* INVALID, DEFAULTED TO 1/10TH SECOND

**Explanation:** Invalid time parameter on IOCLOSE.

**System action:** System default (1/10th second) used.

**User response:** Correct for future use.

**CKSE5363-4 (IOCLOSE) MULTIPLIER *nnn* INVALID, DEFAULTED TO 600 TIMES**

**Explanation:** Invalid repeat value coded on IOCLOSE request.

**System action:** System default 600 used.

**User response:** Correct for future use.

**CKSE5364-4 (IOCLOSE) FILE *filename* NOT CLOSED**

**Explanation:** File *filename* has not been closed in the required time.

**System action:** The file may close some time later.

**User response:** If the problem persists, report to your local PassGo Technologies office.

**CKSE5365-4 *prefix* - PARAMETER NO. *n* INVALID**

**Explanation:** A parameter has been supplied to IOFIXES that is not SET, LOG, RESET, NOSET, NOLOG or NORESET.

**System action:** The fix grid variables are not set.

**User response:** Correct the parameter and retry.

**CKSE5366-4 *prefix* - (SET) FAILED. RETURN CODE WAS: *nn***

**Explanation:** The requested IOFIXES SET failed.

**System action:** The fix grid variables are not set.

**User response:** Correct parameters in error and retry.

**CKSE5367-4 *prefix* - (LOG) FAILED. VARIABLES NOT SET.**

**Explanation:** The requested IOFIXES LOG failed.

**System action:** The fix grid variables are not logged.

**User response:** Correct parameters in error and retry.

**CKSE5368-4 *prefix* - NCVSAM VERSION *v.r.m* RELEASED *dd mmm yy* FOR *sss***

**Explanation:** This message gives the current version and release date information for NC-VSAM as the start of the fix grid.

**System action:** None.

**User response:** None.

**CKSE5369-4 *prefix* - THE FOLLOWING FIXES HAVE BEEN APPLIED**

**Explanation:** This message is part of the fix grid logging in response to EXEC IOFIXES <*prefix*> LOG.

**System action:** None.

**User response:** None.

**CKSE5370-4 *prefix* -   0 1 2 3 4 5 6 7 8 9   0 1 2 3 4 5 6 7 8 9**

**Explanation:** This message is part of the fix grid logging in response to EXEC IOFIXES <*prefix*> LOG.

**System action:** None.

**User response:** None.

**CKSE5371-4 *prefix* - -----**

**Explanation:** This message is part of the fix grid logging in response to EXEC IOFIXES <*prefix*> LOG.

**System action:** None.

**User response:** None.

**CKSE5372-4 *prefix* -**

**Explanation:** This message is part of the fix grid logging in response to EXEC IOFIXES <*prefix*> LOG.

**System action:** None.

**User response:** None.

**CKSE5374-4 RECORD DEFINITION ALREADY LOADED *recordname***

**Explanation:** Record definition already loaded for *recordname*.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5375-4 *prefix*: RECORD *name* IN USE BY ANOTHER RESOURCE FOR 30 SECONDS**

**Explanation:** Internal error. This message will be accompanied by messages 5376 and 5377.

**System action:** Processing continues.

**User response:** Contact your local PassGo Technologies support office.

**CKSE5376-4 *prefix*: RECORD *name* NOT LOADED - ENQUEUE FAILED**

**Explanation:** Internal error. This message will be accompanied by messages 5375 and 5377.

**System action:** Processing continues.

**User response:** Contact your local PassGo Technologies support office.

**CKSE5377-4 *prefix*: MAJOR QNAME 'NCVSAM' - MINOR QNAME '*qname*'**

**Explanation:** Further information when an internal error has occurred. This message will be accompanied by messages 5375 and 5376 or messages 5380 and 5381.

**System action:** Processing continues.

**User response:** Contact your local PassGo Technologies support office.

**CKSE5378-4 VSAM I/O ERROR - RECORD *name* NOT DEFINED**

**Explanation:** Internal error.

**System action:** Processing continues.

**User response:** Contact your local PassGo Technologies support office.

**CKSE5379-4 RECORD DEFINITION LOADED *name***

**Explanation:** Record definition *name* was successfully loaded.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5380-4 *prefix*: RECORD *name* CANNOT BE DEQUEUED - SERIOUS ERROR**

**Explanation:** Internal error. This message will be accompanied by messages 5381 and 5377.

**System action:** Processing continues.

**User response:** Contact your local PassGo Technologies support office.

**CKSE5381-4 *prefix*: RECORD *name* - ANOTHER TASK HAS THE LOCK**

**Explanation:** Internal error. This message will be accompanied by messages 5380 and 5377.

**System action:** Processing continues.

**User response:** Contact your local PassGo Technologies support office.

**CKSE5382-4 UNABLE TO LOCATE SYSPARMS QUEUE ENTRY FOR *name***

**Explanation:** Internal error.

**System action:** Processing terminates.

**User response:** Report the error to your local PassGo Technologies support office.

**CKSE5383-4 *prefix*: VERSION *v.r.m***

**Explanation:** This is the current version.release.mod-level of NC-VSAM.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5384-4 varname = value**

**Explanation:** This message shows the current value of an NC-SAM variable.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5385-4 UNABLE TO LOCATE SYSPARMS QUEUE ENTRY FOR name**

**Explanation:** Internal error.

**System action:** Processing terminates.

**User response:** If problem persists contact your local PassGo Technologies support office.

**CKSE5386-4 OPEN WARNING CODE xxxx, REG15=nnn FOR filename**

**Explanation:** A non-serious error was detected during open processing.

**System action:** Open processing continues.

**User response:** Review message. Read the IBM manual *Virtual Storage Access Method (VSAM) Programmer's Guide*.

**CKSE5387-4 OPEN SUCCESSFUL FOR filename**

**Explanation:** File *filename* has been opened successfully.

**System action:** Open processing continues.

**User response:** No action required.

**CKSE5388-4 VSAM OPEN ERROR CODE xxxx REG15=nnn FOR filename**

**Explanation:** An error was detected during open processing for file *filename*.

**System action:** Open processing terminates.

**User response:** Check error codes and correct. Read the IBM manual *Virtual Storage Access Method (VSAM) Programmer's Guide*.

**CKSE5389-4 VSAM CLUSTER AND FILETYPE DIFFER FOR filename**

**Explanation:** File type and VSAM cluster differ for file *filename*.

**System action:** Open processing terminates.

**User response:** Ensure file type and cluster are the same.

**CKSE5390-4 REUSE OPTION NOT SUPPORTED FOR FILETYPE, FILE filename**

**Explanation:** Reuse is only supported for ESDS.

**System action:** Open processing terminates.

**User response:** Correct and rerun.

**CKSE5391-4 DD DUMMY NOT SUPPORTED, filename**

**Explanation:** DD of DUMMY detected during OPEN processing of file *filename*.

**System action:** Open processing terminates.

**User response:** Correct and rerun.

**CKSE5392-4 DYNAMIC ALLOCATE FAILED FOR filename**

**Explanation:** Dynamic allocate failed for file *filename*.

**System action:** Open processing terminates.

**User response:** Look for further messages which may follow. Correct and rerun.

#### CKSE5393-4 NCDYNAL ERROR - RETURN CODE *nn*

**Explanation:** Further information following message 5392. The return codes have the following meanings:

0	Dataset allocated or freed.
4	1st operand not ALLOC or FREE.
8	2nd operand not specified or over 2 bytes.
12	Invalid dataset name (mandatory for ALLOC).
16	Mandatory DDNAME missing on 'FREE'.
20	Invalid &xxNDISP or &xxDISP2.
24	@iodyn exec panel error (GCS only) or &?*?ddn not resolved (GCS only).
60	&xxDSORG invalid (VS, PO, PS, DA).
64	&xxSPCyy invalid SPACE sub-parm, where yy is one of SPACE=(al,(pr,se,di)).
68	&xxRECFM contains invalid value. Must be 1 to 3 of (M, A, S, D, B, F, V, U).
72	&xxSYSOU contains invalid value. Must be "*", or A through Z, or 0 through 9.
76	DISP=(NEW,...), but no UNIT=xxxxxx found.

**System action:** Open processing terminates.

**User response:** Correct and rerun.

#### CKSE5394-4 SVC 99 INF.: REASON CODE *xx*, ERROR CODE *yy*

**Explanation:** Further information following message 5392 or 5403 (MVS) - VSAM return and reason codes following ALLOC failure.

**System action:** Open processing terminates.

**User response:** Correct and rerun. Read manual *MVS/ESA Authorized Assembler Programming Guide*.

#### CKSE5395-4 DLBL RETURN CODE *nn*

**Explanation:** Further information following message 5392 (VM) - VSAM return code following ALLOC failure.

**System action:** Open processing terminates.

**User response:** Correct and rerun. Read the IBM manual *VM System Messages and Codes*.

#### CKSE5396-4 OPEN SYNTAX ERROR FOR *filename*

**Explanation:** Internal error during open of file *filename*.

**System action:** Open processing terminates.

**User response:** Report the error to your local PassGo Technologies support office.

#### CKSE5397-4 ERROR LOADING MODULE *name*, FILE *filename*

**Explanation:** Internal error during open of file *filename*.

**System action:** Open processing terminates.

**User response:** Report the error to your local PassGo Technologies support office.

#### CKSE5399-4 UNABLE TO LOCATE SYSPARMS QUEUE ENTRY FOR *filename*

**Explanation:** Internal error.

**System action:** Close processing continues.

**User response:** Report the error to your local PassGo Technologies support office.

#### CKSE5400-4 CLOSE WARNING CODE *xx* REG15=*nnnn* FOR FILE *filename*

**Explanation:** Error detected during close processing for file *filename*.

**System action:** Close processing continues.

**User response:** Review error messages. Read the IBM manual *Virtual Storage Access Method (VSAM) Programmer's Guide*.

**CKSE5401-4 CLOSE SUCCESSFUL FOR *filename***

**Explanation:** File *filename* close successful.

**System action:** Close processing continues.

**User response:** No action required.

**CKSE5402-4 VSAM CLOSE ERROR CODE *xx* REG15=*nnnn* FOR *filename*.**

**Explanation:** A serious error was detected during close processing.

**System action:** Close processing continues.

**User response:** Review error message. Read the IBM manual *Virtual Storage Access Method (VSAM) Programmer's Guide*.

**CKSE5403-4 DYNAMIC DE-ALLOCATE FAILED FOR *filename***

**Explanation:** An error was detected in close processing for file *filename*.

**System action:** Close processing terminates.

**User response:** Look for further messages which may follow. Correct and rerun.

**CKSE5404-4 ERROR UNLOADING MODULE *name*, FILE *filename***

**Explanation:** Internal error detected at close time.

**System action:** Close processing terminates.

**User response:** Report the error to your local PassGo Technologies support office.

**CKSE5405-4 CLOSE SYNTAX ERROR FOR *filename***

**Explanation:** Possible internal error closing file *filename*.

**System action:** Close processing terminates.

**User response:** Report the error to your local PassGo Technologies support office.

**CKSE5420-4 *prefix* - ISCMAN SHUTTING DOWN**

**Explanation:** A protocol handler is shutting down due to an error or shutdown request.

**System action:** Termination continues.

**User response:** No action required.

**CKSE5421-4 *prefix* - ERROR EXECUTING START ROUTINE**

**Explanation:** An error occurred executing the start EXEC defined by the *&mh\_soe* variable.

**System action:** The protocol handler terminates.

**User response:** Correct the value of *&mh\_soe* or the statements within the EXEC and retry.

**CKSE5422-4 *prefix* - STOPPING DUE TO ABOVE ERRORS**

**Explanation:** An error occurred during protocol handler initialization.

**System action:** The protocol handler terminates.

**User response:** This message will be preceded by at least one other message indicating the reason for failure; see that message.

**CKSE5423-4 *prefix* - NCDIALX\_WAIT FAILED**

**Explanation:** An internal error has occurred.

**System action:** The protocol handler will terminate.

**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5424-4 prefix - LOGIC ERROR**

- Explanation:** An internal error has occurred.
- System action:** The protocol handler will terminate.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5425-4 prefix - INVALID SIGNAL**

- Explanation:** An internal error has occurred.
- System action:** The protocol handler will terminate.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5426-4 prefix - AN ISC ROUTINE HAS ABENDED Sxxx**

- Explanation:** An internal error has occurred.
- System action:** The protocol handler will terminate.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5427-4 prefix - ERROR EXECUTING FINISH ROUTINE**

- Explanation:** An error occurred during the finish EXEC defined by the *&mh\_fini* variable.
- System action:** The protocol handler will terminate.
- User response:** Correct the value of *mh\_fini* or the statements within the EXEC and retry.

**CKSE5430-4 prefix - SCIUCV FAILED; RETURN CODE IS X'xxxxxxxx'**

- Explanation:** A sockets based protocol handler has been started but has failed during initialization of the IUCV environment.
- System action:** The protocol handler is terminated.
- User response:** The return code will be one of the following:
  - 00000004 Unable to locate VMCF; report this message to your local support office.
  - 00000008 SCIUCVT not run successfully; report this message to your local support office.
  - 0000000C CONNECT failed; ensure the TCP/IP address space is active and that its name matches the value in the *&mh\_jobn* variable. Correct and retry.
  - 00000010 IUCV initialization was terminated during retry processing waiting for TCP/IP to come active probably due to an MHOCLOSE EXEC or a timeout condition during MHOOOPEN processing. Retry when TCP/IP active.
  - 00000014 CONNECT failed and no retry allowed. Ensure the TCP/IP address space is active and is specified correctly on the MHRPCLNT EXEC.
  - 00000018 Too many paths; report this message to your local support office.

**CKSE5431-4 prefix - UNABLE TO LOCATE VMCF SSCT**

- Explanation:** A sockets based protocol handler has been started but the SSCT cannot be found during initialization.
- System action:** The protocol handler is terminated.
- User response:** Ensure the system image has been configured (via the sub-system name table) to support the IUCV component of TCP/IP. Correct and retry.

**CKSE5433-3 prefix - RECEIVE FAILED, SHUTTING DOWN**

- Explanation:** An error occurred during a LU0 RECEIVE MACRO. The SSCT cannot be found during initialization.
- System action:** The protocol handler terminates.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5435-4 prefix - UNSUPPORTED OPRCNTL QUALIFIER**

**Explanation:** The LU62 APPCCMD MACRO completion routine has been driven for an invalid value in RPL6QUAL.

**System action:** The data associated with this flow is ignored; processing continues.

**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5436-4 prefix - INVALID APPCCMD ENTERED**

**Explanation:** The LU62 APPCCMD MACRO completion routine has been driven for an unexpected value in RPL6REQ.

**System action:** The data associated with this flow is ignored; processing continues.

**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5437-4 I-APPCCMD-SETSESS \*\*\*UNSUPPORTED\*\*\***

**Explanation:** The LU62 APPCCMD MACRO completion routine has been driven for an INVALID value in RPL6REQ.

**System action:** The data associated with this flow is ignored; processing continues.

**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5439-4 prefix - IUCVMCOM\_SEND MACRO FAILED FOR aaaaaaa; IPRCODE=X'cc' FUNC='ffff'**

**Explanation:** An error has been detected during an IUCV based sockets operation.

**System action:** The session is terminated.

**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5440-4 prefix - IUCVMCOM\_SEND MACRO REJECTED FOR aaaaaaa; RC=X'cc' REASON=X'rr' FUNC=X'ffff'**

**Explanation:** An error has been detected during an IUCV based sockets operation.

**System action:** The session is terminated.

**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5441-4 prefix - IUCVMCOM\_SEND MACRO FAILED FOR aaaaaaa; ERRNO=X'nnnn' FUNC='ffff'**

**Explanation:** An error has been detected during an IUCV based sockets operation.

**System action:** The session is terminated.

**User response:** The ERRNO may be analyzed using the IBM *TCP/IP Programmers Reference* manual appendix. The FUNC is the first halfword of the IUCV TRGCLS field. For example, ERRNO=x'0031' for FUNC=X'0004' indicates that a CONNECT has failed because the connection partner cannot be found.

**CKSE5442-4 prefix - INVALID OR MISSING PARM EXEC ROUTINE NAME**

**Explanation:** An error occurred during a protocol handler initialization routine.

**System action:** The protocol handler is terminated.

**User response:** Ensure that the &mh\_soe variable is set correctly. Correct and retry.

**CKSE5443-4 prefix - ERROR RUNNING PARM EXEC ROUTINE**

**Explanation:** An error occurred during a protocol handler initialization routine.

**System action:** The protocol handler is terminated.

**User response:** Ensure that the EXEC defined by the &mh\_soe variable contains statements with valid syntax. Correct and retry.

**CKSE5444-4 prefix - START EXIT NAME NOT SPECIFIED**

**Explanation:** The &mh\_soe variable has not been defined during a protocol handler startup.

**System action:** The protocol handler is terminated.

**User response:** Ensure that the &iscstar variable is set correctly. Correct and retry.

**CKSE5446-4 prefix - TEMPORARY STORAGE SHORTAGE - RETRYING**

- Explanation:** A temporary storage shortage has occurred during session start by an LU6.2 protocol handler.
- System action:** The protocol handler retries until storage becomes available.
- User response:** No action is required; this message can only appear if tracing is on.

**CKSE5447-4 prefix - ATTEMPTING SESSION WITHOUT COMPRESSION**

- Explanation:** Issued by an LU6.2 based protocol handler during session start as a result of an MHOLINK EXEC or similar when the originating node supports compression but the remote node does not.
- System action:** A further attempt is made to start the session without compression.
- User response:** No action is required unless you require compression; in that case update your SOE EXEC *&mh\_comp* variable, restart the protocol handler and re-establish the session.

**CKSE5448-4 prefix - SESSION REJECTED BY PARTNER X00 EXEC**

- Explanation:** Issued by an LU6.2 based protocol handler during session start as a result of an MHOLINK EXEC or similar when the destination node logon authorization EXEC (defined by the *&mh\_x00* variable in the SOE) rejects the session request.
- System action:** The session is terminated; the user NSE EXEC will be driven if defined.
- User response:** Determine if this is a valid response from the remote partner. Correct and retry if necessary.

**CKSE5449-4 prefix - INVALID RPL6 FIELDY PARTNER X00 EXEC**

- Explanation:** Issued by an LU6.2 based protocol handler during session start as a result of an MHOLINK EXEC or similar when the destination node logon authorization EXEC (defined by the *&mh\_x00* variable in the SOE) rejects the session request.
- System action:** The session is terminated; the user NSE EXEC will be driven if defined.
- User response:** Determine if this is a valid response from the remote partner. Correct and retry if necessary.

**CKSE5450-4 prefix - RESETRCV IS NOT SUPPORTED**

- Explanation:** An APPCMND RESETRCV has been issued; this is not supported.
- System action:** None.
- User response:** If this is due to a low level NC-MHO exec, correct and rerun; otherwise report this message.

**CKSE5451-4 prefix - COMPRESSION REQUESTED BUT NOT SUPPORTED**

- Explanation:** PIP data has been received with compression, but this MHO subsystem has been set to no compression.
- System action:** The data is rejected.
- User response:** Review the setting of variable *&mh\_comp* at the time of issuing MHOSTART.

**CKSE5452-4 prefix - PHYSICAL MODE REQUESTED BUT NOT SUPPORTED**

- Explanation:** PIP data has been received in low level mode, but this MHO subsystem has been set to high level.
- System action:** The data is rejected.
- User response:** Review the setting of variable *&mh\_auto* at the time of issuing MHOSTART.

**CKSE5453-4 prefix - LOGICAL MODE REQUESTED BUT NOT SUPPORTED**

- Explanation:** PIP data has been received in high level mode, but this MHO subsystem has been set to low level.
- System action:** The data is rejected.
- User response:** Review the setting of variable *&mh\_auto* at the time of issuing MHOSTART.

**CKSE5455-4 prefix - SIGNAL DATA INVALID OR OMITTED**

- Explanation:** Issued by a protocol handler in response to sockets specific data from the MHOSOCK EXEC.
- System action:** The MHOSOCK operation is ignored and results are likely to be unpredictable.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5456-4 prefix - INVALID HEXADECIMAL DIGITS IN SIGNAL DATA**

**Explanation:** Issued by a protocol handler in response to sockets specific data from the MHOSOCK EXEC.

**System action:** The MHOSOCK operation is ignored and results are likely to be unpredictable.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5457-4 prefix - TARGET NODE NOT FOUND**

**Explanation:** Issued by a protocol handler in response to sockets specific data from the MHOSOCK EXEC.

**System action:** The MHOSOCK operation is ignored and results are likely to be unpredictable.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5458-4 prefix - INVALID SOCKET FUNCTION CODE**

**Explanation:** Issued by a protocol handler in response to sockets specific data from the MHOSOCK EXEC.

**System action:** The MHOSOCK operation is ignored and results are likely to be unpredictable.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5460-4 prefix - progname: IUCV SEVER RECEIVED; TEXT IS .....**

**Explanation:** A Sockets or APPC error has occurred with sever interrupt text.

**System action:** The ISC environment is terminated.

**User response:** Investigate and correct the error.

**CKSE5461-4 prefix - progname: UNRECOGNISED EXTERNAL INTERRUPT TYPE**

**Explanation:** A Sockets or APPC error has occurred of an unknown type.

**System action:** The ISC environment is terminated.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5462-4 prefix - progname: EXTERNAL INTERRUPT DOES NOT ADDRESS AN SPL**

**Explanation:** Issued by a sockets protocol handler interrupt exit if it receives a valid IUCV buffer but it does not address an internal control block correctly.

**System action:** The data is ignored; processing continues.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5463-4 prefix - progname UNRECOGNIZED IUCV FUNCTION CODE**

**Explanation:** Issued by a sockets protocol handler interrupt exit if it receives a valid IUCV buffer but it does not contain a supported TRGCLS value.

**System action:** The data is ignored; processing continues.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5464-4 prefix - progname: INITIAL\_MESSAGE\_REPLY INVALID**

**Explanation:** Issued by a sockets protocol handler interrupt exit if it receives an invalid reply during the execution of a connection setup (from such as MHOLINK).

**System action:** The connection process is terminated; the current EXEC will receive a non-zero return code.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5465-4 prefix - progname: STACK BUFFER TOO SMALL**

**Explanation:** Issued by a sockets protocol handler interrupt exit if its internal buffer overflows without receiving a complete logical data record.

**System action:** Subsequent data is ignored but results are likely to be unpredictable.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5466-4 prefix - progname: INITIAL\_MESSAGE\_NAME\_FIELD\_INCORRECT**

- Explanation:** Issued by a sockets protocol handler interrupt exit if it receives a connection request from a remote partner (as a result of an EXEC such as MHOLINK) but the node name on the EXEC does not match the name used to MHOOPEN the protocol handler.
- System action:** The connection request is rejected; the current EXEC will terminate with a non-zero return code.
- User response:** Use the MHOSIDE EXEC to define the name of the remote partner with a value that matches that used to MHOOPEN it. Reissue the MHOLINK EXEC.

**CKSE5467-4 prefix - progname: SOCKETS\_ERROR\_FOR\_name; ERRNO=X'nnnnnnn' FUNC='ffff'**

- Explanation:** A Sockets call has completed with errors; no EXEC routine has been defined in variable &mh\_sock at MHOSTART.
- System action:** None.
- User response:** Use ERRNO to determine the cause of the error.

**CKSE5470-4 prefix - progname: ERROR\_LOADING\_MODULE xxxxxxxx**

- Explanation:** An internal error has occurred during a protocol handler initialization routine.
- System action:** The protocol handler is terminated.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5472-4 prefix - IUSV\_EXIT\_TRACE\_DISABLED**

- Explanation:** Issued by the IUCV interface in response to an MHIUCV TRACE OFF command to confirm that the tracing of IUCV events has been discontinued.
- System action:** Processing continues.
- User response:** No action required.

**CKSE5473-4 prefix - IUSV\_EXIT\_TRACE\_ENABLED**

- Explanation:** Issued by the IUCV interface in response to an MHIUCV TRACE ON command to confirm that the tracing of IUCV events has been started.
- System action:** Processing continues.
- User response:** No action required.

**CKSE5474-4 prefix - IUSV\_EXIT\_CLOSING**

- Explanation:** The IUCV interface is closing in response to a SHUTDOWN command.
- System action:** Termination continues; all sockets based protocol handlers should be terminating as well.
- User response:** No action required.

**CKSE5475-4 prefix - IUSV\_EXIT\_DISABLED**

- Explanation:** The IUCV interface has terminated in response to a SHUTDOWN command.
- System action:** No further processing using the IUCV environment will take place.
- User response:** No action required.

**CKSE5476-4 prefix - UNABLE\_TO\_LOCATE\_VMCX\_SSCT**

- Explanation:** A sockets based protocol handler has been started but the SSCT cannot be found during initialization.
- System action:** The protocol handler is terminated.
- User response:** Ensure the system image has been configured (via the sub-system name table) to support the IUCV component of TCP/IP. Correct and retry.

**CKSE5477-4 prefix - IUCV\_EXIT\_ALREADY\_DEFINED**

- Explanation:** A sockets based protocol handler has failed in initialization due to an internal error.
- System action:** The protocol handler terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5478-4 prefix - IUCVMINI\_SET FAILED**

**Explanation:** A sockets based protocol handler has failed in initialization due to an error in an IUCVMINI MACRO.

**System action:** The protocol handler terminates.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5480-4 prefix - UNABLE TO ESTABLISH SESSION WITH NODE name**

**Explanation:** Issued when a session initialization request fails.

**System action:** The current EXEC terminates with a non-zero return code.

**User response:** Use message previous to this one in the NCI log to determine the cause of failure. Correct and retry.

**CKSE5481-4 prefix - SESSION TERMINATED WITH NODE name**

**Explanation:** Issued when a session with a remote partner has ended.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5482-4 prefix - SESSION ESTABLISHED WITH NODE name**

**Explanation:** Issued when a session with a remote partner has started successfully.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5483-4 prefix - UNABLE TO ESTABLISH SESSION WITH APPLICATION name**

**Explanation:** Issued when a session initialization request fails.

**System action:** The current EXEC terminates with a non-zero return code.

**User response:** Use messages preceding this one in the NCI log to determine the cause of failure. Correct and retry.

**CKSE5484-4 prefix - SESSION TERMINATED WITH APPLICATION name**

**Explanation:** Issued when a session with a remote application has ended.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5485-4 prefix - SESSION ESTABLISHED WITH APPLICATION name**

**Explanation:** Issued when a session with a remote application has started successfully.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5486-4 prefix - REMOTE PROCEDURE CALL SERVER STARTED**

**Explanation:** Issued by an RPC server to confirm initialization is successful and incoming requests will now be accepted.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5487-4 prefix - RPC EXIT HAS ABENDED name**

**Explanation:** Issued by an RPC server if an ABEND is detected in the IUCV external interrupt exit code.

**System action:** The server terminates.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5488-4 prefix - REMOTE PROCEDURE CALL SERVER TRACE ENDED**

**Explanation:** Issued by an RPC server to confirm internal tracing is now inactive in response to an EXEC MHRPCSRV TRACE STOP command.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5489-4 prefix - REMOTE PROCEDURE CALL SERVER TRACE STARTED**

- Explanation:** Issued by an RPC server to confirm internal tracing is now active in response to an EXEC MHRPCSRV TRACE START command.
- System action:** Processing continues; all activities will be traced to the NCI log.
- User response:** No action required.

**CKSE5490-4 prefix - UNABLE TO LOCATE VMCF SSCT**

- Explanation:** A sockets based protocol handler has been started but the SSCT cannot be found during initialization.
- System action:** The protocol handler is terminated.
- User response:** Ensure the system image has been configured (via the sub-system name table) to support the IUCV component of TCP/IP. Correct and retry.

**CKSE5491-4 prefix - SCIUCV FAILED; RC=code**

- Explanation:** A sockets based protocol handler has been started but has failed during initialization of the IUCV environment.
- System action:** The protocol handler is terminated.
- User response:** The return code will be one of the following:
- |          |  |
|----------|--|
| 00000004 | Unable to locate VMCF; report this message to your local support office.   |
| 00000008 | SCIUCVT not run successfully; report this message to your local support office.  |
| 0000000C | CONNECT failed; ensure the TCP/IP address space is active, and its name matches that in the &mh_jobn variable. Correct and retry.  |
| 00000010 | IUCV initialization was terminated during retry processing waiting for TCP/IP to come active probably due to an MHOCLOSE EXEC or a timeout condition during MHOOOPEN processing. Retry when TCP/IP active. |
| 00000014 | CONNECT failed and no retry allowed. Ensure the TCP/IP address space is active and is specified correctly on the MHRPCLNT EXEC.  |
| 00000018 | Too many paths; report this message to your local support office.  |

**CKSE5492-4 prefix - UNABLE TO REGISTER RPC SERVICE**

- Explanation:** Issued by the RPC server if the process of registering the program to PORTMAP fails due to an unexpected reply data format.
- System action:** The server terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5493-4 prefix - RPC MAINLINE HAS ABENDED code**

- Explanation:** Issued by an RPC server if an ABEND is detected in mainline code.
- System action:** The server terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5494-4 prefix - REMOTE PROCEDURE CALL SERVER ENDED**

- Explanation:** Issued by an RPC server to confirm shutdown is error free.
- System action:** The server terminates.
- User response:** No action required.

**CKSE5495-4 prefix - IUCVMCON\_SEND MACRO FAILED; IPRCODE=X'cc' FUNC=X'ffff'**

- Explanation:** An error has been detected during the IUCV based sockets operation.
- System action:** The session is terminated.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5496-4 prefix - IUCVMCON\_SEND MACRO FAILED; ERRNO=X'nnnn' FUNC=X'ffff**

**Explanation:** An error has been detected during the IUCV based sockets operation.

**System action:** The session is terminated.

**User response:** The ERRNO may be analyzed using the IBM *TCP/IP Programmers Reference* manual appendix. The FUNC is the first halfword of the IUCV TRGCLS field. For example, ERRNO=X'0031' for FUNC=X'0004' indicates that a CONNECT has failed because the connection partner cannot be found.

**CKSE5499-4 prefix - SEVER RECEIVED; TEXT IS text**

**Explanation:** Issued by a sockets based application if an IUCV sever data flow is received; text is the text from the IUCV data buffer.

**System action:** The application terminates.

**User response:** Report this message to your local PassGo Technologies support office unless you receive this message during TCP/IP shutdown, in which case the message is to be expected.

**CKSE5500-4 prefix - text**

**Explanation:** Issued by a sockets based application when data is received which is to be written to the NCI log file; text is the data to be logged.

**System action:** The application continues.

**User response:** No action required.

**CKSE5502-4 prefix - xxxxxxxx: INVALID SIGNAL**

**Explanation:** An internal error has occurred.

**System action:** The protocol handler will terminate.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5503-4 prefix - SCB NODE name ADDR nodeaddr PROTOCOL prot**

**Explanation:** Issued in response to a special "diagnose" protocol-independent signal command from NC-PASS.

**System action:** No further action.

**User response:** None.

**CKSE5504-4 prefix - HCB NODE name ADDR nodeaddr STATUS stat**

**Explanation:** Issued in response to a special "diagnose" protocol-independent signal command from NC-PASS. This message follows CKSE5503.

**System action:** No further action.

**User response:** None.

**CKSE5505-4 prefix - xxxxxxxx: UNABLE TO ESTABLISH SESSION WITH HOST hostnode**

**Explanation:** Issued by a protocol handler in response to a session start operation (such as MHOLINK) when an internal error occurs.

**System action:** Processing continues but the session start request will terminate with a non-zero return code indicating a time-out condition.

**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5506-4 prefix - \*\*WARNING\*\* REQSESS TO SELF IGNORED**

**Explanation:** Issued by a protocol handler in response to a session start operation (such as MHOLINK) but the destination is the same as the origin.

**System action:** Processing continues but the session start request will terminate with a non-zero return code indicating a time-out condition.

**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5507-4 prefix - \*\*WARNING\*\* TERSESS TO SELF IGNORED**

- Explanation:** Issued by a protocol handler in response to a session termination operation (such as MHODLINK) but the destination is the same as the origin.
- System action:** Processing continues but the session end request will terminate with a non-zero return code indicating a time-out condition.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5508-4 prefix - TERSESS REJECTED; SESSION DOES NOT EXIST**

- Explanation:** Issued by a protocol handler in response to a session termination operation (such as MHODLINK) when an internal error occurs.
- System action:** Processing continues but the session end request will terminate with a non-zero return code indicating a time-out condition.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5509-4 prefix - \*\*WARNING\*\* OPRCNTL TO SELF IGNORED**

- Explanation:** Issued by a protocol handler in response to a session start operation (such as MHOLINK) but the destination is the same as the origin.
- System action:** Processing continues but the session start request will terminate with a non-zero return code indicating a time-out condition.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5510-4 prefix - \*\*WARNING\*\* REJECT TO SELF IGNORED**

- Explanation:** Issued by a protocol handler in response to a session termination operation (such as MHODLINK) but the destination is the same as the origin.
- System action:** Processing continues but the session end request will terminate with a non-zero return code indicating a time-out condition.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5511-4 prefix - INVALID SIGNAL CODE 05**

- Explanation:** Issued by a protocol handler in response to LU6.2 specific data from the MHOAPPC EXEC.
- System action:** The MHOAPPC operation is ignored and results are likely to be unpredictable.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5512-4 prefix - REQUEST REJECTED, SESSION DOES NOT EXIST**

- Explanation:** Issued by a protocol handler in response to LU6.2 specific data from the MHOAPPC EXEC.
- System action:** The MHOAPPC operation is ignored and results are likely to be unpredictable.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5514-4 prefix - ERROR EXECUTING @MHWORk**

- Explanation:** Issued by protocol handler subtask if the execution of the internal EXEC @MHWORk fails.
- System action:** The current unit of work is ignored; results are unpredictable.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5515-4 prefix - UNKNOWN RU RECEIVED - REPORT THIS MESSAGE**

- Explanation:** Issued by a VTAM based protocol handler if a session notification Request Unit is unrecognized for one of the following reasons:
- unknown RU received
  - invalid notify control vector key.
- System action:** The request unit is ignored.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5516-4 prefix - INVALID NOTIFY CONTROL VECTOR KEY - REPORT THIS MESSAGE**

**Explanation:** Invalid notify status.  
**System action:** The request unit is ignored.  
**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5517-4 prefix - INVALID NOTIFY STATUS - REPORT THIS MESSAGE**

**Explanation:** Invalid notify status.  
**System action:** The request unit is ignored.  
**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5518-4 prefix - UNEXPECTED NOTIFY STATUS - REPORT THIS MESSAGE**

**Explanation:** Issued by a VTAM based protocol handler if a session notification Request Unit is unrecognized for one of the following reasons:  
- unknown RU received  
- invalid notify control vector key.  
**System action:** The request unit is ignored.  
**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5519-4 prefix - SCIP RPL (UNKNOWN)**

**Explanation:** Issued by a VTAM based protocol handler if a session notification Request Unit is received but unrecognized.  
**System action:** The request unit is ignored.  
**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5520-4 prefix - VTAM TEMPORARY BUFFER SHORTAGE DETECTED**

**Explanation:** A VTAM temporary buffer shortage has been detected.  
**System action:** The system recovers from most of these shortages.  
**User response:** Increase the VTAM buffer size.

**CKSE5521-4 prefix - UNKNOWN TPEND CODE**

**Explanation:** Issued by a VTAM based protocol handler if the application is to be ended due to a VTAM environment termination reason.  
**System action:** The protocol handler terminates; any user defined protocol end EXEC will be executed.  
**User response:** This message is to be expected during VTAM termination or if the protocol handler application is deactivated for any reason. Correct and restart the protocol handler if necessary.

**CKSE5522-4 prefix - VTAM HALT COMMAND ISSUED**

**Explanation:** Issued by a VTAM based protocol handler if the application is to be ended due to a VTAM environment termination reason.  
**System action:** The protocol handler terminates; any user defined protocol end EXEC will be executed.  
**User response:** This message is to be expected during VTAM termination or if the protocol handler application is deactivated for any reason. Correct and restart the protocol handler if necessary.

**CKSE5523-4 prefix - VTAM HALT QUICK OR V INACT I OR F ISSUED**

**Explanation:** Issued by a VTAM based protocol handler if the application is to be ended due to a VTAM environment termination reason.  
**System action:** The protocol handler terminates; any user defined protocol end EXEC will be executed.  
**User response:** This message is to be expected during VTAM termination or if the protocol handler application is deactivated for any reason. Correct and restart the protocol handler if necessary.

**CKSE5524-4 prefix - VTAM HALT CANCEL ISSUED**

- Explanation:** Issued by a VTAM based protocol handler if the application is to be ended due to a VTAM environment termination reason.
- System action:** The protocol handler terminates; any user defined protocol end EXEC will be executed.
- User response:** This message is to be expected during VTAM termination or if the protocol handler application is deactivated for any reason. Correct and restart the protocol handler if necessary.

**CKSE5526-3 prefix - RECEIVE FAILED, SHUTTING DOWN**

- Explanation:** An error occurred during an LU0 RECEIVE MACRO.
- System action:** The protocol handler terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5527-4 prefix - RECEIVE FAILED, DATA LOST**

- Explanation:** An error occurred during an LU0 RECEIVE MACRO.
- System action:** None.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5528-4 prefix - SEND FAILED TERMINATING SESSION FOR *jobname***

- Explanation:** Issued by an LU0 based protocol handler if a VTAM SEND macro fails.
- System action:** The session with *jobname* is terminated; the loss EXEC will be executed if defined.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5530-4 prefix - SETLOGON FAILURE (*progrname*)**

- Explanation:** A VTAM based protocol handler has failed in initialization due to a non-zero return code from a SETLOGON macro.
- System action:** The protocol handler terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5531-4 prefix - NCISC - WAITING FOR ACB (*progrname*)**

- Explanation:** During initialization the ACB was unable to be opened because it was unavailable.
- System action:** An attempt to open the ACB will be made every 15 seconds.
- User response:** Establish why the ACB is unavailable and make it available, or restart having respecified the name of an available ACB.

**CKSE5533-4 prefix - UNABLE TO LOCATE VMCF SSCT**

- Explanation:** A sockets based protocol handler has been started but the SSCT cannot be found during initialization.
- System action:** The protocol handler is terminated.
- User response:** Ensure the system image has been configured (via the sub-system name table) to support the IUCV component of TCP/IP. Correct and retry.

**CKSE5534-4 prefix - IUCV EXIT IS NOT INITIALIZED**

- Explanation:** A sockets based protocol handler has failed in initialization due to an internal error.
- System action:** The protocol handler terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5535-4 - IUCVMCOM\_CONNECT FAILED; RETURN CODE IS X'xxxx'**

- Explanation:** A sockets based protocol handler has failed in initialization due to an error during connection to the TCP/IP address space.
- System action:** The protocol handler terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5536-4 *prefix* - NCISC - WAITING FOR TCP/IP FOR xxxxxxxx**

- Explanation:** During initialization the node could not be opened because it was unavailable.
- System action:** An attempt to open the node will be made every 15 seconds.
- User response:** Establish why the node is unavailable and make it available, or restart having respecified the name of an available node.

**CKSE5550-4 SERVER TASK *name* INITIALIZATION IN PROGRESS**

- Explanation:** Issued by a protocol handler when an MHOOPEN EXEC has been received but before the operation has completed.
- System action:** Processing continues.
- User response:** No action required.

**CKSE5551-4 SERVER TASK *name* INITIALIZATION COMPLETE**

- Explanation:** Initialization of a protocol handler has completed without error.
- System action:** Processing continues.
- User response:** No action required.

**CKSE5552-4 SERVER TASK *name* UNKNOWN ERROR DURING INITIALISATION; RETURN CODE IS *n***

- Explanation:** A protocol handler has failed during initialization with an unrecognized return code.
- System action:** The protocol handler terminates.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5553-4 SERVER TASK *name* SOCKET SUBTASK ATTACH FAILED; RETURN CODE IS 17**

- Explanation:** Initialization of a sockets protocol handler has failed.
- System action:** The protocol handler terminates.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5554-4 SERVER TASK *name* SOCKET SERVER INITIALISATION FAILED; RETURN CODE IS 16**

- Explanation:** Initialization of a sockets protocol handler has failed.
- System action:** The protocol handler terminates.
- User response:** Ensure that the port number specified by the MHOSIDE EXEC is not in use elsewhere in the host. Correct and retry.

**CKSE5555-4 SERVER TASK *name* TCP/IP FOR MVS IUCV INITIALISATION FAILED; RETURN CODE IS 15**

- Explanation:** Initialization of a sockets protocol handler has failed.
- System action:** The protocol handler terminates.
- User response:** Ensure that the TCP/IP address space is active, and that its name matches that specified on the *&mh\_jobn* variable. Correct and retry.

**CKSE5556-4 SERVER TASK *name* ATTACH FOR SERVER TASK FAILED; RETURN CODE IS 14**

- Explanation:** Initialization of a protocol handler has failed during an ATTACH MACRO.
- System action:** The protocol handler terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5557-4 SERVER TASK *name* INVALID MODE (MH\_AUTO); RETURN CODE IS 134**

- Explanation:** Initialization of a protocol handler has detected a value other than N or Y in the variable *&mh\_auto*.
- System action:** The protocol handler terminates.
- User response:** Correct and retry.

**CKSE5558-4 SERVER TASK *name* VTAM DOES NOT SUPPORT LU6.2; RETURN CODE IS 12**

- Explanation:** Initialization of a protocol handler with a value of LU62 for variable *&mh\_prot* has been attempted in a VTAM environment which does not support the LU6.2 API.
- System action:** The protocol handler terminates.
- User response:** LU6.2 protocol handlers may only be run in MVS VTAM 3.2 or above.

**CKSE5559-4 SERVER TASK *name* UNKNOWN PROTOCOL (MH\_PROT); RETURN CODE IS 11**

- Explanation:** Initialization of a protocol handler with a value other than LU0, LU62 or SOCK in the variable *&mh\_prot* has been attempted.
- System action:** The protocol handler terminates.
- User response:** Correct and retry.

**CKSE5560-4 SERVER TASK *name* ERROR DURING INITIALISATION; RETURN CODE IS 10**

- Explanation:** Initialization of a VTAM based protocol handler failed due to a non-zero return code in a SETLOGON MACRO.
- System action:** The protocol handler terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5561-4 SERVER TASK *name* UNABLE TO OPEN ACB FOR aaaaaaa ;ACBERFLG=xx**

- Explanation:** Initialization of a VTAM based protocol handler failed due to a non-zero return code in an OPEN\_ACB MACRO.
- System action:** The protocol handler terminates.
- User response:** Use the IBM *VTAM Programming* manual section on the OPEN MACRO to interpret the ACBERFLG field. Correct and retry.

**CKSE5562-4 SERVER TASK *name* UNABLE TO LOAD MODULE aaaaaaa; RETURN CODE IS 7**

- Explanation:** Initialization of a protocol handler has failed during the loading of a product module.
- System action:** The protocol handler terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5563-4 SERVER TASK *name* INVALID TRACE VALUE (MH\_TRAC); RETURN CODE IS 6**

- Explanation:** Initialization of a protocol handler has detected a value other than N or Y in the variable *&mh\_trac*.
- System action:** The protocol handler terminates.
- User response:** Correct and retry.

**CKSE5564-4 SERVER TASK *name* NODE (MH\_ACBN) HAS NOT BEEN SPECIFIED; RETURN CODE IS 5**

- Explanation:** Initialization of a protocol handler has been unable to determine the name of the node to use as an operand on the MHOOPEN EXEC.
- System action:** The protocol handler terminates.
- User response:** Correct and retry.

**CKSE5565-4 SERVER TASK *name* FINISH EXEC NOT SPECIFIED; RETURN CODE IS 4**

- Explanation:** Initialization of a protocol handler has been unable to determine the name of the EXEC to run a protocol handler termination.
- System action:** The protocol handler terminates.
- User response:** Correct and retry.

**CKSE5566-4 NCISC VERSION *v.r.m* FOR MVS**

- Explanation:** This message precedes the MHO fix matrix and shows the current version of the MHO system being run.
- System action:** Processing continues.
- User response:** No action required.

**CKSE5567-4 THE FOLLOWING FIXES HAVE BEEN APPLIED**

- Explanation:** This message is followed by the MHO fix matrix showing fixes which have just been applied. The fix matrix is provided by messages CKSE5568, CKSE5569, CKSE5570 and CKSE5571.
- System action:** Processing continues.
- User response:** No action required.

**CKSE5568-4 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9**

- Explanation:** This message follows message CKSE5567 and forms the heading line for the MHO fix matrix showing fixes which have just been applied. Messages CKSE5569, CKSE5570 and CKSE5571 provide the remainder of the fix matrix.
- System action:** Processing continues.
- User response:** No action required.

**CKSE5569-4 -----**

- Explanation:** This message follows messages CKSE5567 and CKSE5568 and forms part of the border for the MHO fix matrix showing fixes which have just been applied. Messages CKSE5570 and CKSE5571 provide the remainder of the fix matrix.
- System action:** Processing continues.
- User response:** No action required.

**CKSE5570-4 nn | ..... | .....**

- Explanation:** This message follows messages CKSE5567, CKSE5568 and CKSE5569 and is used to format each detail line of the MHO fix matrix showing fixes which have just been applied. Message CKSE5571 provides further fix matrix information.
- System action:** Processing continues.
- User response:** No action required.

**CKSE5571-4 P = Problem C = Customization**

- Explanation:** This message is the legend following the MHO fix matrix showing fixes which have just been applied.
- System action:** Processing continues.
- User response:** No action required.

**CKSE5572-4 NO MHOOPEN HAS BEEN DONE FOR TASK name**

- Explanation:** An internal error occurred during a protocol handler initialization routine.
- System action:** The protocol handler terminates.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5573-3 INITIALISATION FAILED**

- Explanation:** An internal error occurred during a protocol handler initialization routine.
- System action:** The protocol handler terminates.
- User response:** This message will be preceded by at least one other error message indicating more precisely what the error is. See that message.

**CKSE5575-4 panelname UNABLE TO PROCESS qname queue; RETURN CODE IS nn**

- Explanation:** An error occurred during processing of an internal queue by panel *panelname*.
- System action:** The current process(es) will fail; results may be unpredictable.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5576-4 SEND COMPLETION EXEC *name* SET RETURN CODE *n***

- Explanation:** The user defined send completion EXEC (defined by *&MH\_send* in the SOE) has set a non-zero return code.
- System action:** Processing will continue as determined by the statements in the user EXEC.
- User response:** No action required.

**CKSE5577-4 ERROR DURING LOGICAL PROCESSING; SESSION BEING TERMINATED**

- Explanation:** An error occurred during an LU6.2 session. This message is part of a group of messages 5577, 5578, 5579, 5580, 5581 and 5582 which will appear together.
- System action:** The current session is terminated.
- User response:** Use the IBM *VTAM LU6.2 Programming* manual appendices and the *VTAM Messages and Codes* to interpret the RPL6-prefixed fields and the sense code. Correct and retry the session.

**CKSE5578-4 CONTROL VALUE (RPL6REQ) ..... *xxxx***

- Explanation:** An error occurred during an LU6.2 session. This message is part of a group of messages 5577, 5578, 5579, 5580, 5581 and 5582 which will appear together.
- System action:** The current session is terminated.
- User response:** Use the IBM *VTAM LU6.2 Programming* manual appendices and the *VTAM Messages and Codes* to interpret the RPL6- prefixed fields and the sense code. Correct and retry the session.

**CKSE5579-4 QUALIFY VALUE (RPL6QUAL) ..... *xxxx***

- Explanation:** An error occurred during an LU6.2 session. This message is part of a group of messages 5577, 5578, 5579, 5580, 5581 and 5582 which will appear together.
- System action:** The current session is terminated.
- User response:** Use the IBM *VTAM LU6.2 Programming* manual appendices and the *VTAM Messages and Codes* to interpret the RPL6- prefixed fields and the sense code. Correct and retry the session.

**CKSE5580-4 PRIMARY RETURN CODE (RPL6RCPR) .... *xxxx***

- Explanation:** An error occurred during an LU6.2 session. This message is part of a group of messages 5577, 5578, 5579, 5580, 5581 and 5582 which will appear together.
- System action:** The current session is terminated.
- User response:** Use the IBM *VTAM LU6.2 Programming* manual appendices and the *VTAM Messages and Codes* to interpret the RPL6- prefixed fields and the sense code. Correct and retry the session.

**CKSE5581-4 SECONDARY RETURN CODE (RPL6RCSC) ..*xxxx***

- Explanation:** An error occurred during an LU6.2 session. This message is part of a group of messages 5577, 5578, 5579, 5580, 5581 and 5582 which will appear together.
- System action:** The current session is terminated.
- User response:** Use the *IBM VTAM LU6.2 Programming* manual appendices and the *VTAM Messages and Codes* to interpret the RPL6- prefixed fields and the sense code. Correct and retry the session.

**CKSE5582-4 SENSE CODE (RPLSNSI) ..... *xxxx***

- Explanation:** An error occurred during an LU6.2 session. This message is part of a group of messages 5577, 5578, 5579, 5580, 5581 and 5582 which will appear together.
- System action:** The current session is terminated.
- User response:** Use the IBM *VTAM LU6.2 Programming* manual appendices and the *VTAM Messages and Codes* to prefixed fields and the sense code. Correct and retry the session.

**CKSE5583-4 UNKNOWN SESSION REQUEST FROM *aaaaaaaa* TO *bbbbbbbb***

- Explanation:** A session request has been received for an unknown partner.
- System action:** The session request is ignored.
- User response:** Report the message to your local PassGo Technologies support office.

**CKSE5584-4 SESSION ESTABLISHED FROM aaaaaaa TO bbbbbb**

**Explanation:** A valid session request has been received and the session has been successfully established.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5585-4 CONNECTION STARTED FOR aaaaaaa**

**Explanation:** A valid session request has been received with the *&mh\_auto* variable set to N (for LLAPI) and the session has been successfully established.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5586-4 ppppppp: UNKNOWN ID xxxx ON \*MH\_LINKS QUEUE FOR aaaaaaa AND USER bbbbbb**

**Explanation:** A session establishment or establishment failure is in progress but the related user defined EXEC cannot be located.

**System action:** The user exec is not run.

**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5587-4 UNKNOWN SESSION END FROM aaaaaaa TO bbbbbb**

**Explanation:** A session termination request has been received from an unrecognized partner.

**System action:** The termination request is ignored.

**User response:** Report the message to your local PassGo Technologies support office.

**CKSE5588-4 SESSION WITH xxxxxxxx HAS ENDED**

**Explanation:** A normal session termination has been received and processed successfully. This message is one of 5588, 5589, 5590 and 5591 which appear together.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5589-4 TOTAL OUTBOUND TRANSFERS ..... n**

**Explanation:** A normal session termination has been received and processed successfully. This message is one of 5588, 5589, 5590 and 5591 which appear together.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5590-4 TOTAL INBOUND TRANSFERS ..... n**

**Explanation:** A normal session termination has been received and processed successfully. This message is one of 5588, 5589, 5590 and 5591 which appear together.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5591-4 SESSION FROM aaaaaaa TO bbbbbb NOW INACTIVE**

**Explanation:** A normal session termination has been received and processed successfully. This message is one of 5588, 5589, 5590 and 5591 which appear together.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5592-4 UNKNOWN ID aaaaaaa ON \*MH\_LINKS QUEUE FOR NODE nodename**

**Explanation:** A session termination / termination failure is in progress but the related user defined 'lost session' EXEC cannot be located.

**System action:** The user EXEC is not run.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5593-4 ALL FUNCTIONS TERMINATED**

- Explanation:** All protocol handlers have terminated; there is no MHO function active in the NCI address space.
- System action:** No further processing is carried out.
- User response:** No action is required.

**CKSE5594-3 SERVER TASK *name* TERMINATION IN PROGRESS**

- Explanation:** A protocol handler is terminating. This is one of four messages 5594, 5595, 5589 and 5590 which are issued together.
- System action:** Processing continues.
- User response:** No action is required.

**CKSE5595-4 TOTAL LINKS ..... *n***

- Explanation:** A protocol handler is terminating. This is one of four messages 5594, 5595, 5589 and 5590 which are issued together. TOTAL LINKS.....*n* indicates the highest number of sessions concurrently active for the handler.
- System action:** Processing continues.
- User response:** No action is required.

**CKSE5596-4 TOTAL SHORT ON STORAGE (LU0) .... *n***

- Explanation:** Issued during the shutdown process for a LU0 protocol handler to indicate the number of VTAM operations that were retried due to a short-on-storage condition across the VTAM API.
- System action:** Processing continues.
- User response:** Whilst NC-MHO operation will continue, a high non-zero value could indicate a potential performance problem.

**CKSE5597-4 TOTAL SHORT ON STORAGE (LU62) ... *n***

- Explanation:** Issued during the shutdown process for a LU6.2 protocol handler to indicate the number of VTAM operations that were retried due to a short-on-storage condition across the VTAM API.
- System action:** Processing continues.
- User response:** Whilst NC-MHO operation will continue, a high non-zero value could indicate a potential performance problem.

**CKSE5598-4 SERVER TASK *name* TERMINATION DUE TO UNKNOWN ERROR; RETURN CODE IS *n***

- Explanation:** Issued during the shutdown of a protocol handler when it completes with an unrecognized return code.
- System action:** Termination continues.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5599-4 SERVER TASK *name* TERMINATION DUE TO ABEND; RETURN CODE IS *n***

- Explanation:** Issued during the shutdown if the protocol handler is terminating due to an earlier ABEND.
- System action:** Termination continues.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5600-4 SERVER TASK *name* TERMINATION DUE TO ENVIRONMENT BEING CLOSED; RETURN CODE IS *n***

- Explanation:** Issued during the shutdown if the protocol handler is terminating due to VTAM ending/ABENDING, the VTAM application being inactivated (LU0/LU6.2) or a sever interrupt being received (TCP/IP).
- System action:** Termination continues.
- User response:** Restart the appropriate system tasks prior to restarting the NC-MHO protocol handlers.

**CKSE5601-4 SERVER TASK *name* TERMINATION DUE TO INITIALISATION ERROR; RETURN CODE IS *n***

- Explanation:** Issued during the shutdown of a protocol handler if an error occurs during initialization.
- System action:** Termination continues.
- User response:** The error during initialization will be described by the message(s) that precede this one in the NCI/XF log.

#### **CKSE5602-3 SERVER TASK *name* TERMINATION COMPLETE**

**Explanation:** Issued during the shutdown of a protocol handler to indicate that the shutdown process is complete.

**System action:** No further processing occurs for this handler.

**User response:** No action required.

#### **CKSE5603-4 TASKS IN SEARCH ORDER**

**Explanation:** Issued during the session startup only if tracing is on. This message is one of three message numbers which appear together: 5603, 5604 and 5605.

**System action:** Processing continues.

**User response:** Report these messages to your local PassGo Technologies support office.

#### **CKSE5604-4 *taskname***

**Explanation:** Issued during the session startup only if tracing is on. This message is one of three message numbers which appear together: 5603, 5604 and 5605.

**System action:** Processing continues.

**User response:** Report these messages to your local PassGo Technologies support office.

#### **CKSE5605-4 END OF TASK LIST**

**Explanation:** Issued during the session startup only if tracing is on. This message is one of three message numbers which appear together: 5603, 5604 and 5605.

**System action:** Processing continues.

**User response:** Report these messages to your local PassGo Technologies support office.

#### **CKSE5606-4 SIGNAL FROM *aaaaaaaa* TO *bbbbbbbb***

**Explanation:** Issued during the session startup only if tracing is on.

**System action:** Processing continues.

**User response:** Report this message to your local PassGo Technologies support office.

#### **CKSE5607-4 TIMEOUT DURING MHOLINK PROCESSING TO *aaaaaaaa***

**Explanation:** An MHOLINK EXEC has been issued but has not completed within the time allowed.

**System action:** The MHOLINK EXEC terminates; the session start MIGHT complete at a later time.

**User response:** Ensure that the partner identified in the MHOLINK operation is active and available. Also check that the timeout period has not been set too low. Retry the MHOLINK operation.

#### **CKSE5608-4 LINK TO *aaaaaaaa* IS IN UNKNOWN STATE *x***

**Explanation:** During session establishment or termination an unexpected status was encountered.

**System action:** Processing for the current operation terminates.

**User response:** Report this message to your local PassGo Technologies support office.

#### **CKSE5609-4 NO LINKS AVAILABLE; ATTEMPTING CLEANUP**

**Explanation:** An MHOLINK EXEC was issued but none of the available protocol handlers was able to establish a session successfully with the partner application.

**System action:** MHOLINK processing terminates.

**User response:** Ensure that the correct protocol handlers are available and active both locally and remotely. Correct and retry.

#### **CKSE5610-4 UTILITY *name* FAILED; RETURN CODE IS *n***

**Explanation:** An internal utility program has completed with a non-zero return code.

**System action:** Processing for the current operation terminates.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5611-4 UNKNOWN SESSION ESTABLISHMENT FAILURE FROM aaaaaaa TO bbbbbbbb**

- Explanation:** A session establishment operation has completed unexpectedly.
- System action:** The session is ignored.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5612-4 LOG INDICATOR .... xxxxxxxx**

- Explanation:** This message only appears if tracing is on. It is one of a group of messages detailing received data: 5612, 5613, 5614, 5615, 5616 and 5617.
- System action:** Processing continues.
- User response:** Report these messages to your local PassGo Technologies support office.

**CKSE5613-4 OPERATION ..... xxxxxxxx**

- Explanation:** This message only appears if tracing is on. It is one of a group of messages detailing received data: 5612, 5613, 5614, 5615, 5616 and 5617.
- System action:** Processing continues.
- User response:** Report these messages to your local PassGo Technologies support office.

**CKSE5614-4 VAR/EXEC NAME .... xxxxxxxx**

- Explanation:** This message only appears if tracing is on. It is one of a group of messages detailing received data: 5612, 5613, 5614, 5615, 5616 and 5617.
- System action:** Processing continues.
- User response:** Report these messages to your local PassGo Technologies support office.

**CKSE5615-4 PARAMETER ..... xxxxxxxx**

- Explanation:** This message only appears if tracing is on. It is one of a group of messages detailing received data: 5612, 5613, 5614, 5615, 5616 and 5617.
- System action:** Processing continues.
- User response:** Report these messages to your local PassGo Technologies support office.

**CKSE5616-4 REPLYID ..... xxxxxxxx**

- Explanation:** This message only appears if tracing is on. It is one of a group of messages detailing received data: 5612, 5613, 5614, 5615, 5616 and 5617.
- System action:** Processing continues.
- User response:** Report these messages to your local PassGo Technologies support office.

**CKSE5617-4 USER FIELD ..... xxxxxxxx**

- Explanation:** This message only appears if tracing is on. It is one of a group of messages detailing received data: 5612, 5613, 5614, 5615, 5616 and 5617.
- System action:** Processing continues.
- User response:** Report these messages to your local PassGo Technologies support office.

**CKSE5618-4 UNABLE TO LOCATE EXEC xxxxxxxx**

- Explanation:** An MHOEXEC EXEC has been received by a remote partner but the EXEC name specified cannot be found.
- System action:** The MHOEXEC EXEC completes with a non-zero return code.
- User response:** Ensure that the EXEC name is specified correctly and that it is in the libraries associated with your PANEL and PBLIB concatenations. Correct and retry.

**CKSE5619-4 REPLY EXEC *name* NOT FOUND FOR ID *name***

- Explanation:** An MHOEXEC/LOG/RESLV/SET EXEC was issued specifying a reply exec which cannot be found.
- System action:** The MHOEXEC/LOG/RESLV/SET operation has completed but the results of the operation are unavailable to the caller of the EXEC.
- User response:** Ensure that the EXEC name is specified correctly and that it is in the libraries associated with your PANEL and PBLIB concatenations. Correct and retry.

**CKSE5620-4 SIGNAL FROM *aaaaaaaa* TO *bbbbbbbb* FAILED; RETURN CODE IS *n***

- Explanation:** An internal data flow has failed.
- System action:** The current operation is ignored.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5621-4 MHOAPPC EXEC FAILED; RETURN CODE IS *n***

- Explanation:** An LU62 protocol handler is attempting to return a token but the transaction start request has failed.
- System action:** The current operation terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5622-4 REMOTE NODE NAME PARAMETER OMITTED**

- Explanation:** The name of a remote partner has not been specified to an MHO EXEC that requires one.
- System action:** The current EXEC completes with a non-zero return code.
- User response:** Retry, specifying the remote node name.

**CKSE5623-4 TIMEOUT DURING MHOOPEN EXEC PROCESSING**

- Explanation:** An MHOOPEN EXEC has been issued but has not completed within the time allowed.
- System action:** The MHOOPEN EXEC terminates; protocol handler initialization MIGHT complete at a later time.
- User response:** Ensure the parameters specified for the MHOOPEN EXEC are correct and retry. Also check that the timeout period has not been set too low.

**CKSE5624-4 MHOSTART EXEC HAS NOT BEEN ISSUED**

- Explanation:** An internal error occurred during MHO processing.
- System action:** The results of the current EXEC are unpredictable.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5625-4 MHOOPEN EXEC NOT ISSUED FOR ID *xxxx***

- Explanation:** An error has occurred during MHOSTART processing.
- System action:** SOE processing terminates.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5626-4 UNKNOWN PROTOCOL *xxxx* FOR NODE *name***

- Explanation:** An internal error occurred during a session establishment or termination.
- System action:** The session may be left in an unpredictable state.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5627-4 SESSION REJECTED; UNKNOWN SESSION PARTNER NODE NAME *xxxxxxx***

- Explanation:** An internal error occurred during session establishment.
- System action:** The session for *xxxxxxx* is rejected.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5628-4 SESSION REJECTED; UNKNOWN SESSION PARTNER ID *xxxx***

- Explanation:** An internal error occurred during session establishment.
- System action:** The session for *xxxx* is rejected.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5629-4 NO ACTIVE LINK FOR REMOTE NODE *name***

- Explanation:** An MHOAPPC or MHODLINK EXEC has been issued for a nodename that is not in session.
- System action:** The EXEC is terminated with a non-zero return code.
- User response:** Ensure the node name passed to the EXEC is correct and if necessary issue an MHOLINK EXEC before retrying.

**CKSE5630-4 TIMEOUT DURING MHOCLOSE PROCESSING**

- Explanation:** An MHOCLOSE EXEC has been issued to terminate a protocol handler but termination has not completed within the required time interval.
- System action:** The protocol handler MIGHT terminate at some later time.
- User response:** Ensure that the timeout interval has been specified correctly; if so report this message to your local PassGo Technologies support office.

**CKSE5631-4 TIMEOUT DURING MHODLINK PROCESSING**

- Explanation:** An MHODLINK EXEC has been issued to terminate a session with a remote partner node but the termination has not completed within the required time interval.
- System action:** The protocol handler MIGHT terminate at some later time.
- User response:** Ensure that the remote partner protocol handler is active and functioning normally; if so report this message to your local PassGo Technologies support office.

**CKSE5632-4 NOT RUNNING IN HLAPI MODE (MH\_AUTO=Y)**

- Explanation:** An MHOEXEC/SET/RESLV/LOG EXEC has been issued for an environment started with `&mh_auto=N`, that is, LLAPI mode.
- System action:** The EXEC terminates with a non-zero return code.
- User response:** Ensure that the `&mh_id` variable is set to the correct value and reissue the exec.

**CKSE5633-4 NO PROTOCOL SERVER FOUND FOR NODE *name* DURING MHOOPEN**

- Explanation:** An MHOLINK EXEC has been issued without a preceding MHOOPEN EXEC.
- System action:** An MHOOPEN EXEC will be performed if variable `&*mh_acb` is defined.
- User response:** No action is required if the MHOOPEN completes successfully. If it does not, then set the appropriate values and issue MHOOPEN before retrying the MHOLINK EXEC.

**CKSE5635-4 NO ENVIRONMENT RECORD FOUND FOR *xxxxxxx* DURING MHOSTART**

- Explanation:** An MHOSTART EXEC has not been issued prior to an MHOOPEN EXEC.
- System action:** An MHOSTART EXEC will be performed on behalf of the caller.
- User response:** No action required unless the MHOSTART fails or sets default values for any of the SOE variables. In this case issue the MHOSTART EXEC and then retry the MHOOPEN EXEC.

**CKSE5636-4 UNABLE TO INITIALIZE IUCV ENVIRONMENT; RETURN CODE IS *n***

- Explanation:** An MHOOPEN EXEC for a sockets protocol handler has been issued and has failed.
- System action:** The MHOOPEN EXEC fails.
- User response:** All return codes except 12 should be reported to your local PassGo Technologies support office. Return code 12 indicates that a time-out condition occurred during the initialization of the IUCV environment. Ensure that you have started the TCP/IP address space and that the variable `&mh_jobn` contains the name of that address space.

**CKSE5637-4 UNABLE TO START MHO TASK FOR ID *taskid* NODE *nodename*; RETURN CODE IS *n***

**Explanation:** An MHOOPEN EXEC has been issued but the SOE failed with return code *n*.

**System action:** The protocol handler for *nodename* is terminated during initialization.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5638-4 NO LLAPI COMPLETION EXEC SPECIFIED**

**Explanation:** An MHOSTART EXEC has been issued with the *&mh\_auto* variable set to N (for LLAPI) but no completion EXEC (*&mh\_sock* or *&mh\_appc*) has been specified.

**System action:** The EXEC terminates with a non-zero return code.

**User response:** Correct and retry.

**CKSE5639-4 INVALID PROTOCOL *xxxx* FOUND IN MH\_ORDR FIELD**

**Explanation:** An MHOSTART EXEC has been issued with a value other than LU0, LU62 or SOCK in the *mh\_order* variable.

**System action:** The EXEC terminates with a non-zero return code.

**User response:** Correct and retry.

**CKSE5640-4 MHOOPEN FAILED; RETURN CODE IS *n***

**Explanation:** An MHOSTART EXEC issued an MHOOPEN EXEC on behalf of the caller and this failed.

**System action:** The MHOSTART EXEC terminates with a non-zero return code.

**User response:** Report this message to your local PassGo Technologies support office.

**CKSE5641-4 NO ENVIRONMENT RECORD FOUND FOR *xxxxxxxx* DURING MHOSTOP**

**Explanation:** An MHOSTART EXEC has not been issued prior to an MHOSTOP EXEC.

**System action:** The MHOSTOP EXEC terminates with a non-zero return code.

**User response:** Ensure that an MHOSTART EXEC is issued and that the *&mh\_id* variable is set to the correct value before issuing the MHOSTOP EXEC.

**CKSE5642-4 TIMEOUT DURING MHOSTOP PROCESSING**

**Explanation:** An MHOSTOP EXEC has been issued to terminate the environment but termination has not completed within the required timeout interval.

**System action:** The environment MIGHT terminate at some later time.

**User response:** Ensure that the timeout interval has been specified correctly; if so report this message to your local PassGo Technologies support office.

**CKSE5643-4 TRACE OPTION *xxxxxxxx* FOR NODE *aaaaaaaa***

**Explanation:** An MHOTRACE EXEC has been issued for option *xxxxxxxx* and will be interpreted by the protocol handler for node *aaaaaaaa*. More than one of these messages will appear if there are multiple protocol handlers.

**System action:** Processing continues.

**User response:** No action required.

**CKSE5644-4 INVALID NUMBER OF PARAMETERS**

**Explanation:** An MHSTATUS EXEC has been issued with a syntax error.

**System action:** The exec terminates with a non-zero return code.

**User response:** Correct and retry.

**CKSE5700-4 NC-XMS *Vv.r.m* - *XMvrm* COMPILED ON *xxxxxx* AT *yyyyy***

**Explanation:** This is an information message only issued at NC-XMS startup.

**System action:** Processing continues.

**User response:** No action required.

#### **CKSE5701-4 NOT AUTHORIZED - XMS ABORTED**

**Explanation:** Unauthorized library on STEPLIB concatenation (MVS, not VM).

**System action:** NC-XMS startup is aborted.

**User response:** Restart job with all STEPLIB or JOBLIB libraries APF authorized.

#### **CKSE5702-4 SSCT TO CLEANUP NOT FOUND: name**

**Explanation:** A task has abended and a CLEANUP is to be performed, but the subsystem name cannot be found.

**System action:** Processing for this task ends.

**User response:** Report this message to your local PassGo Technologies support office.

#### **CKSE5703-4 NO FREE SYSTEM LX INDEX - REUSE AN OLD XMS NAME**

**Explanation:** All global system linkage numbers are in use. This can occur on MVS/370 where the limit is 10. XA and ESA have larger limits (for example 55) so this should not occur.

**System action:** XMS does not start up.

**User response:** Restart XMS specifying an NC-XMS name that has previously been stopped (rather than invent a new name).

#### **CKSE5704-4 TRACING LEVEL NOW n**

**Explanation:** Trace level for XMS programs has been set.

**System action:** Processing continues.

**User response:** No action required.

#### **CKSE5705-4 QRY ELEM CHANGED DURING PROCESSING XMQLOCK=xxxxxxxx**

**Explanation:** An internal error has occurred.

**System action:** Processing is terminated.

**User response:** Report this error to your local PassGo Technologies support office.

#### **CKSE5706-4 NC-XMS ESTAE ENTERED FOR XMSYS=name**

**Explanation:** The named NC-XMS system has abended.

**System action:** The XMS will be marked inactive in the SSCT.

**User response:** Restart the XMS system if required.

#### **CKSE5710-4 XMCALLPC IS AT xxxxxxxx**

**Explanation:** This gives the address in storage of the module XMCALLPC.

**System action:** None.

**User response:** None. This message is for information when testing the XMPC functions.

#### **CKSE5717-4 DEFAULT XMS OPTIONS xxxx NOT SUPPLIED**

**Explanation:** Exec XMSTART has been issued with no Startup Options Exec (SOE) specified. XMS has tried to use the default routine XMOPTION, but it does not exist.

**System action:** All authorization exits are checked to exist; if any exit does not exist, NC-XMS does not start.

**User response:** Specify an SOE or restore the default XMOPTION and re-issue the XMSTART exec.

#### **CKSE5718-4 OPTIONS HAVE BEEN SET BY xxxx**

**Explanation:** Information only; provides the name of options EXEC.

**System action:** Processing continues.

**User response:** No action required.

#### **CKSE5719-4 XMS CROSS MEMORY SYSTEM NAME IS xxxx**

**Explanation:** The cross memory system name is logged whenever it is verified or altered by the options EXEC.

**System action:** Processing continues.

**User response:** No action required.

#### **CKSE5720-4 STARTING XMS CROSS MEMORY SYSTEM**

**Explanation:** An XMSTART routine was started.

**System action:** NC-XMS is starting up normally.

**User response:** No action required.

#### **CKSE5721-4 XMS OPTIONS EXEC xxxxxxxx NOT FOUND - yyyy STARTUP ABORTED**

**Explanation:** An XMSTART routine was started, but the OPTIONS EXEC xxxxxxxx could not be found.

**System action:** NC-XMS does not start.

**User response:** Restart specifying an OPTIONS EXEC that exists or correct the job.

#### **CKSE5722-4 OPTIONS NAME AND ONLY 5 PARAMETERS ARE SUPPORTED (NOT n)**

**Explanation:** An XMSTART routine was started, but too many parameters were supplied.

**System action:** NC-XMS does not start.

**User response:** Reissue XMSTART EXEC with less parameters.

#### **CKSE5723-4 XMS OPTIONS xxxxxxxx. DISALLOWED STARTUP OF yyyy - z**

**Explanation:** During startup, the named OPTIONS EXEC disallowed the quoted XMS SSCT name.

**System action:** NC-XMS does not start.

**User response:** Restart specifying an allowed XMS name or a different OPTIONS EXEC.

#### **CKSE5724-4 XMS EXIT nn NOT FOUND - yyyy STARTUP ABORTED**

**Explanation:** The requested exit &\*"mynn does not exist.

**System action:** XMS does not start.

**User response:** Add named EXEC routine to PANEL ddname or remove name from OPTIONS EXEC.

#### **CKSE5725-4 XMS STARTUP FAILED xxxx SSCT CORRUPT**

**Explanation:** Startup of the cross memory system xxxx could not be started because corruption was found in MVS control blocks - probably due to the earlier abnormal termination of another NC-XMS system which served this XMS name.

**System action:** NC-XMS does not start.

**User response:** Use XMCLEAN to clean up the control blocks.

#### **CKSE5726-4 XMS STARTUP FAILED xxxx SERIOUS ERROR**

**Explanation:** An internal error has occurred.

**System action:** XMS does not start up.

**User response:** Report this message to your local PassGo Technologies support office.

#### **CKSE5727-4 XMS STARTUP FAILED xxxx ALREADY ACTIVE FOR THIS JOB**

**Explanation:** Exec XMSTART was issued for cross memory system xxxx, but that system was already active in this NCI job.

**System action:** XMS does not start up.

**User response:** None - already running.

#### **CKSE5728-4 XMS STARTUP FAILED xxxx ALREADY ACTIVE FOR ANOTHER JOB**

**Explanation:** Exec XMSTART was issued for cross memory system xxxx, but that system was already active in another NCI/XF job.

**System action:** XMS does not start up.

**User response:** Retry when the other job has terminated the cross memory system.

#### **CKSE5729-4 XMS STARTUP FAILED - JOB NOT AUTHORIZED**

- Explanation:** NCI/XF is not running APF authorized.  
**System action:** XMS does not start up.  
**User response:** Alter your execution JCL to run NCI from an APF library.

#### **CKSE5731-4 START PENDING FOR 1 MINUTE ABANDONED**

- Explanation:** XMSTART failed to complete.  
**System action:** Start abandoned.  
**User response:** Retry when conditions permit.

#### **CKSE5738-4 XMS SYSTEM xxxx RUNNING AS TASK yyyyyyy**

- Explanation:** An XMSTATUS EXEC has been issued for system xxxx. This message displays the task identified for the system.  
**System action:** None.  
**User response:** None.

#### **CKSE5739-4 XMS SYSTEM xxxx DID NOT RESPOND WITHIN n SECONDS**

- Explanation:** NC-XMS did not respond to enquiry from XMSTATUS within the given number of seconds. NC-XMS does exist but there is a problem.  
**System action:** The STATUS command is abandoned.  
**User response:** If the problem persists, contact your local PassGo Technologies support office.

#### **CKSE5740-4 XMS SYSTEM xxxx RESPONDED AND IS TASK yyyyyyy**

- Explanation:** NC-XMS has responded successfully to an enquiry from XMSTATUS during startup.  
**System action:** Startup continues.  
**User response:** No action required.

#### **CKSE5741-4 SSCT=xxxxxxx ID=yyyy STATUS=Z**

- Explanation:** An XMSTATUS EXEC has been issued omitting *parm1*. This message is output for each active cross memory system running on this NCI/XF job.  
**System action:** None.  
**User response:** None.

#### **CKSE5742-4 NO XMS CROSS MEMORY TASKS HAVE BEEN STARTED**

- Explanation:** An XMSTATUS EXEC has been issued omitting *parm1* to list all active cross memory systems running on this NCI/XF, but there are none.  
**System action:** None.  
**User response:** None.

#### **CKSE5743-4 1 XMS CROSS MEMORY TASK IS RUNNING**

- Explanation:** An XMSTATUS EXEC has been issued omitting *parm1* to list all active cross memory systems running on this NCI/XF. This message, or message CKSE5744, follows message CKSE5741.  
**System action:** None.  
**User response:** None.

#### **CKSE5744-4 n XMS CROSS MEMORY TASKS ARE RUNNING**

- Explanation:** An XMSTATUS EXEC has been issued omitting *parm1* to list all active cross memory systems running on this NCI/XF. This message, or message CKSE5743, follows message CKSE5741.  
**System action:** None.  
**User response:** None.

**CKSE5745-4 STATUS OF ALL XMS SYSTEMS RUNNING IN THIS NCI JOB:**

**Explanation:** An XMSTATUS routine has been started with no operands.  
**System action:** The status of all NC-XMS's in this job are listed via message 5741.  
**User response:** No action required.

**CKSE5746-4 xxxx NOT KNOWN TO BE ACTIVE SO STOP COMMAND ISSUED**

**Explanation:** An XMSTOP EXEC was issued to shutdown an NC-XMS which was not in the internal queues.  
**System action:** No action taken.  
**User response:** If required, restart the routine with the correct active NC-XMS name.

**CKSE5747-4 STOP xxxx ABANDONED AFTER 1 MINUTE**

**Explanation:** XMSTOP failed to complete.  
**System action:** Stop abandoned.  
**User response:** Call your PassGo Technologies support office.

**CKSE5748-4 STOP FOR xxxx COMPLETED**

**Explanation:** XMSTOP completed successfully.  
**System action:** The requested NC-XMS has been made inactive.  
**User response:** The stopped NC-XMS can be restarted in this job if required or in another job after this one ends.

**CKSE5749-4 STOP XMS SYSTEM xxxx**

**Explanation:** An XMSTOP exec has been issued for system xxxx.  
**System action:** The named cross memory system will be shut down.  
**User response:** None.

**CKSE5752-4 ROUTINE TRACE LEVEL IS x**

**Explanation:** Trace level for XMS EXEC routines has been set.  
**System action:** Processing continues.  
**User response:** No action required.

**CKSE5753-4 PROGRAM TRACE LEVEL IS x**

**Explanation:** Trace level for XMS programs has been set.  
**System action:** Processing continues.  
**User response:** No action required.

**CKSE5754-4 XMS LOG MESSAGES WILL BE UPPERCASED**

**Explanation:** XMSTRACE U has been issued.  
**System action:** XMS messages from EXEC routines will be uppercase.  
**User response:** No action required.

**CKSE5755-4 XMS LOG MESSAGES WILL BE LEFT ASIS**

**Explanation:** XMSTRACE A has been issued.  
**System action:** XMS messages from EXEC routines will be mixed case.  
**User response:** No action required.

**CKSE5756-4 XMS MAIN TASK PROGRAM TRACE OUTPUT WILL APPEAR ON THE VM CONSOLE**

**Explanation:** Tracing has been set to use WTO.  
**System action:** Processing continues.  
**User response:** You will have been recommended to do this by support.

**CKSE5757-4 XMS MAIN TASK PROGRAM TRACE OUTPUT WILL BE WTOS TO THE MVS CONSOLE LOG**

- Explanation:** Tracing has been set to use WTO.
- System action:** Processing continues.
- User response:** You will have been recommended to do this by support.

**CKSE5758-4 XMS MAIN TASK PROGRAM TRACE OUTPUT WILL APPEAR ON THE NCI CONSOLE LOG**

- Explanation:** Tracing has been set to write to the NCI log.
- System action:** Processing continues.
- User response:** You will have been recommended to do this by support.

**CKSE5759-4 XMS MAIN TASK PROGRAM TRACE OUTPUT WILL BE TO THE NCI CONSOLE LOG**

- Explanation:** Tracing has been set to write to the NCI log.
- System action:** Processing continues.
- User response:** You will have been recommended to do this by support.

**CKSE5760-4 THE TRACE LEVEL OF THE XMS LOG MESSAGES WILL BE DISPLAYED**

- Explanation:** Tracing has been set to display the trace levels.
- System action:** Processing continues.
- User response:** You will have been recommended to do this by support.

**CKSE5761-4 THE TRACE LEVEL OF THE XMS LOG MESSAGES WILL NOT BE DISPLAYED**

- Explanation:** Tracing has been set not to display the trace levels.
- System action:** Processing continues.
- User response:** You will have been recommended to do this by support.

**CKSE5762-4 PROGRAM TRACE LEVEL SET TO n**

- Explanation:** An XMTRACE EXEC has been issued before starting XMS to set the program trace level to x.
- System action:** Trace messages up to level x will be displayed on the NCI/XF log when XMS is started.
- User response:** You will have been recommended to do this by support.

**CKSE5763-4 INITIAL TRACE LEVEL SET TO x**

- Explanation:** An XMTRACE EXEC has been issued before starting XMS to set the initial trace level to x.
- System action:** Trace messages up to level x will be displayed on the NCI/XF log when XMS is started.
- User response:** You will have been recommended to do this by support.

**CKSE5764-4 PROGRAM TRACE LEVEL SET TO X IN SYSTEM yyyy**

- Explanation:** An XMSTRACE EXEC has been issued to change the trace level to x for system YYYY after XMS has started.
- System action:** Trace messages up to level x will now be displayed in the NCI/XF log.
- User response:** You will have been recommended to do this by support.

**CKSE5765-4 ROUTINE TRACE LEVEL SET TO x**

- Explanation:** An XMTRACE EXEC has been issued to change the trace level for XMS EXECs to level x.
- System action:** Trace messages of the NC-XMS command routines up to level x will be displayed on the NCI/XF log.
- User response:** You will have been recommended to do this by support.

**CKSE5768-4 LAST XMS SYSTEM STARTED WAS xxxx**

- Explanation:** An XMSYS routine was started with no operands.
- System action:** The current NC-XMS name is provided.
- User response:** No action required.

#### **CKSE5769-4 XMS COMMANDS FROM *xxxx* ARE CURRENTLY FOR SYSTEM *yyyy***

**Explanation:** An XMSYS routine was started with no operands. This message follows CKSE5768.

**System action:** The current NC-XMS name is provided.

**User response:** No action required.

#### **CKSE5770-4 CURRENT XMS SYSTEM IS STILL *xxxx***

**Explanation:** An XMSYS was issued without an XMS name specified.

**System action:** The name of the current NC-XMS remains unchanged.

**User response:** No action required.

#### **CKSE5771-4 CURRENT XMS SYSTEM SET TO *xxxx***

**Explanation:** An XMSYS was issued to change the NC-XMS name.

**System action:** The NC-XMS name is changed as required.

**User response:** No action required.

#### **CKSE5781-4 SETTING XMS OPTIONS**

**Explanation:** This message is output by the supplied example SOE XMOPTION when it starts running.

**System action:** None.

**User response:** None.

#### **CKSE5782-4 BYTE *n* OF PARM3 "*x*" IGNORED - IS NOT AN XMTRACE OPTION**

**Explanation:** This message is output by the supplied example SOE XMOPTION. *Parm 3* should consist of a string of trace options and an error has been found.

**System action:** The invalid trace option is ignored.

**User response:** Reissue the XMSTART with a correct string of trace options.

#### **CKSE5783-4 THIS XMS OPTIONS EXIT DOES NOT ALLOW NAME *xxxx***

**Explanation:** This is one of a group of three messages 5783, 5784 and 5785 which appear together. This message is output by the supplied example SOE XMOPTION. *Parm2* has specified an invalid name.

**System action:** XMOPTION ends with return code 8.

**User response:** Reissue the XMSTART with a valid XMS name.

#### **CKSE5784-4 SPECIFY PROD, TEST, 1, 2 OR A NAME STARTING WITH X**

**Explanation:** This is one of a group of three messages 5783, 5784 and 5785 which appear together. This message is output by the supplied example SOE XMOPTION. *Parm2* has specified an invalid name.

**System action:** XMOPTION ends with return code 8.

**User response:** Reissue the XMSTART with a valid XMS name.

#### **CKSE5785-4 OR ALTER THE OPTIONS EXIT**

**Explanation:** This is one of a group of three messages 5783, 5784 and 5785 which appear together. This message is output by the supplied example SOE XMOPTION. *Parm2* has specified an invalid name.

**System action:** XMOPTION ends with return code 8.

**User response:** Reissue the XMSTART with a valid XMS name.

#### **CKSE5787-4 STOPT COMMAND DETECTED BY CROSS MEMORY SYSTEM *xxxx***

**Explanation:** The XMS main program acknowledged that it is to shut down, following an XMSTOP command.

**System action:** XMS main program shuts itself down after a 10 second quiescent period.

**User response:** No action required.

**CKSE5789-4 SHUTTING DOWN CROSS MEMORY SYSTEM *xxxx* TASK *yyyyyyyy***

**Explanation:** XMSTOP routine has been invoked to shut down the named XMS.  
**System action:** XMS shuts down after a 10 second quiescent period.  
**User response:** No action required.

**CKSE5790-4 XMMAIN PROGRAM ENDING**

**Explanation:** The XMS main program is terminating due to operator request.  
**System action:** XMS terminates.  
**User response:** No action required.

**CKSE5794-4 PARAMETER NO. *x* INVALID**

**Explanation:** An XMFIXES routine was started with an invalid parameter.  
**System action:** Processing continues.  
**User response:** A non-standard method of displaying the grid has been executed or an invalid parameter was supplied. Reissue with correct parameters.

**CKSE5795-4 *xxxxxxxx* (SET) FAILED. RETURN CODE WAS: *n***

**Explanation:** An XMFIXES routine failed.  
**System action:** Processing continues.  
**User response:** If necessary, call your support office if the problem persists (it does not affect processing).

**CKSE5796-4 *xxxxxxxx* (LOG) FAILED. VARIABLES NOT SET**

**Explanation:** An XMFIXES routine started, but failed due to required variables not being set.  
**System action:** No action taken.  
**User response:** No action required.

**CKSE5799-4 *prefix* - NC-XMS VERSION *v.r.m* RELEASED *xx xxx xx* FOR *yy***

**Explanation:** This message is output in response to an XMFIXES request and will be accompanied by messages 5800, 5801, 5802 and 5803.  
**System action:** No action taken.  
**User response:** No action required.

**CKSE5800-4 *prefix* - THE FOLLOWING FIXES HAVE BEEN APPLIED**

**Explanation:** This message is output in response to an XMFIXES request and will be accompanied by messages 5799, 5801, 5802 and 5803.  
**System action:** No action taken.  
**User response:** No action required.

**CKSE5801-4 *prefix* - 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9**

**Explanation:** This message is output in response to an XMFIXES request and will be accompanied by messages 5799, 5800, 5802 and 5803.  
**System action:** No action taken.  
**User response:** No action required.

**CKSE5802-4 *prefix* - -----**

**Explanation:** This message is output in response to an XMFIXES request and will be accompanied by messages 5799, 5800, 5801 and 5803.  
**System action:** No action taken.  
**User response:** No action required.

**CKSE5803-4 prefix -**

- Explanation:** This message is output in response to an XMFIXES request and will be accompanied by messages 5799, 5800, 5801 and 5802. This message contains one line of the fix grid.
- System action:** No action taken.
- User response:** No action required.

**CKSE5805-4 xxxxxxxx yyyyyyyy**

- Explanation:** This message is used by sample panel XMUEXEC to log out the contents of variables, where xxxxxxxx is the contents of variable *&\*xmvar* and yyyyyyyy is the contents of variable *&usrex1*, generated by non-NCI address space program XMSAMPLE executing an NCI function.
- System action:** The message is written to the NCI log.
- User response:** No action required.

**CKSE5807-4 message .....**

- Explanation:** This message is used to output the text generated by XMDIALOG LOG.
- System action:** The message is written to the NCI log.
- User response:** No action required.

**CKSE5970-4 \* WARNING - SECURID NUGGET SDICRNGT NOT FOUND \***

- Explanation:** This message is accompanied by message 5971 or by messages 5972 and 5973. An internal error has occurred.
- System action:** Processing continues.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5971-4 \* WARNING - UNABLE TO AUTHENTICATE USER. \***

- Explanation:** This message accompanies message 5970. An internal error has occurred.
- System action:** Processing continues.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5972-4 \* WARNING - UNABLE TO SYNCHRONIZE, BUT WILL \***

- Explanation:** This message accompanies messages 5970 and 5973. An internal error has occurred.
- System action:** Processing continues.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5973-4 \* WARNING - CONTINUE EXECUTION. \***

- Explanation:** This message accompanies messages 5970 and 5972. An internal error has occurred.
- System action:** Processing continues.
- User response:** Report this message to your local PassGo Technologies support office.

**CKSE5980 ICHRIX02 - PROGRAM MYRIX02 NOT FOUND OR FAILED**

- Explanation:** PassGo Technologies program ICHRIX02 attempted to pass control to program MYRIX02 through the use of a dynamic LINK SVC. The operation failed.
- System action:** PassGo Technologies program MYRIX02 will not be executed. The consequences of this vary, but the product may not continue to function correctly.
- User response:** There are many reasons why it may not be possible to LINK dynamically to a module. Check that module MYRIX02 is correctly named in a LINKLIST library of the correct blocksize. View system console for accompanying IBM messages.

**CKSE5981 WARNING: RACF PASSWORD SYNCHRONIZATION FAILED**

- Explanation:** A PassGo Technologies program attempted to communicate to the server via XMS in order to send a RACF password synchronization event. The request failed.
- System action:** The event will not be synchronized. It is likely that the product will remain in this state until the problem is corrected.
- User response:** View accompanying PassGo Technologies messages to determine the exact nature of the problem.

**CKSE5982 WARNING: ACF2 PASSWORD SYNCHRONIZATION FAILED**

- Explanation:** A PassGo Technologies program attempted to communicate to the server via XMS in order to send a CA-ACF2 password synchronization event. The request failed.
- System action:** The event will not be synchronized. It is likely that the product will remain in this state until the problem is corrected.
- User response:** View accompanying PassGo Technologies messages to determine the exact nature of the problem.

**CKSE5983 WARNING: TOP SECRET PASSWORD SYNCHRONIZATION FAILED**

- Explanation:** A PassGo Technologies program attempted to communicate to the server via XMS in order to send a CA-Top Secret password synchronization event. The request failed.
- System action:** The event will not be synchronized. It is likely that the product will remain in this state until the problem is corrected.
- User response:** View accompanying PassGo Technologies messages to determine the exact nature of the problem.

**CKSE5984 WARNING: RACF REVOKE/RESUME SYNCHRONIZATION FAILED**

- Explanation:** A PassGo Technologies program attempted to communicate to the server via XMS in order to send a RACF REVOKE/RESUME synchronization event. The request failed.
- System action:** The event will not be synchronized. It is likely that the product will remain in this state until the problem is corrected.
- User response:** View accompanying PassGo Technologies messages to determine the exact nature of the problem.

**CKSE5985 WARNING: ACF2 SUSPEND/CANCEL SYNCHRONIZATION FAILED**

- Explanation:** A PassGo Technologies program attempted to communicate to the server via XMS in order to send a CA-ACF2 SUSPEND/CANCEL synchronization event. The request failed.
- System action:** The event will not be synchronized. It is likely that the product will remain in this state until the problem is corrected.
- User response:** View accompanying PassGo Technologies messages to determine the exact nature of the problem.

**CKSE5986 WARNING: TOP SECRET SUSPEND SYNCHRONIZATION FAILED**

- Explanation:** A PassGo Technologies program attempted to communicate to the server via XMS in order to send a CA-Top Secret SUSPEND synchronization event. The request failed.
- System action:** The event will not be synchronized. It is likely that the product will remain in this state until the problem is corrected.
- User response:** View accompanying PassGo Technologies messages to determine the exact nature of the problem.

**CKSE5987 *progname* - XMDIALOG R15=xxxxxxx R0=yyyyyyy**

- Explanation:** PassGo Technologies program *progname* attempted to communicate to the server via XMS. The request has failed.
- System action:** It is likely that the product will remain in this state until the problem is corrected.
- User response:** Compare the R15 value, xxxxxxx, displayed in the message with the XMS diagnostic documentation provided and act accordingly.

#### **CKSE5988 WARNING: RACF PASSWORD SYNCHRONIZATION NOT ACTIVE**

- Explanation:** A PassGo Technologies program attempted to communicate to the server via XMS in order to send a RACF synchronization event. The request failed because Cross-memory services (XMS) has not been started in the address space with which the program is attempting to communicate, or it has not been started with the correct SSCT name.
- System action:** The event will not be synchronized. The product will remain in this state until the problem is corrected.
- User response:** Ensure that XMS communication is started in the target address space with the correct SSCT name.

#### **CKSE5989 WARNING: ACF2 PASSWORD SYNCHRONIZATION NOT ACTIVE**

- Explanation:** A PassGo Technologies program attempted to communicate to the server via XMS in order to send a CA-ACF2 synchronization event. The request failed because Cross-memory services (XMS) has not been started in the address space with which the program is attempting to communicate, or it has not been started with the correct SSCT name.
- System action:** The event will not be synchronized. The product will remain in this state until the problem is corrected.
- User response:** Ensure that XMS communication is started in the target address space with the correct SSCT name.

#### **CKSE5990 progname WARNING: TOP SECRET PASSWORD SYNCHRONIZATION NOT ACTIVE**

- Explanation:** A PassGo Technologies program attempted to communicate to the server via XMS in order to send a CA-Top Secret synchronization event. The request failed because Cross-memory services (XMS) has not been started in the address space with which the program is attempting to communicate, or it has not been started with the correct SSCT name.
- System action:** The event will not be synchronized. The product will remain in this state until the problem is corrected.
- User response:** Ensure that XMS communication is started in the target address space with the correct SSCT name.

#### **CKSE5991 ICHPWX01 - PROGRAM MYPWX01 NOT FOUND OR FAILED**

- Explanation:** PassGo Technologies program ICHPWX01 attempted to pass control to program MYPWX01 through the use of a dynamic LINK SVC. The operation failed.
- System action:** PassGo Technologies program MYPWX01 will not be executed. The consequences of this vary, but the product may not continue to function correctly.
- User response:** There are many reasons why it may not be possible to LINK dynamically to a module. Check that module MYPWX01 is correctly named in a LINKLIST library of the correct blocksize. View system console for accompanying IBM messages.

#### **CKSE5992 IEFU83 - PROGRAM MYSMFEX NOT FOUND OR FAILED**

- Explanation:** PassGo Technologies program IEFU83 attempted to pass control to program MYSMFEX through the use of a dynamic LINK SVC. The operation failed.
- System action:** PassGo Technologies program MYSMFEX will not be executed. The consequences of this vary, but the product may not continue to function correctly.
- User response:** There are many reasons why it may not be possible to LINK dynamically to a module. Check that module IEFU83 is correctly named in a LINKLIST library of the correct blocksize. View system console for accompanying IBM messages.

#### **CKSE5993 MYACF2PX - PROGRAM MYA2NPX NOT FOUND OR FAILED**

- Explanation:** PassGo Technologies program MYACF2PX attempted to pass control to program MYA2NPX through the use of a dynamic LINK SVC. The operation failed.
- System action:** PassGo Technologies program MYA2NPX will not be executed. The consequences of this vary, but the product may not continue to function correctly.
- User response:** There are many reasons why it may not be possible to LINK dynamically to a module. Check that module MYA2NPX is correctly named in a LINKLIST library of the correct blocksize. View system console for accompanying IBM messages.

#### **CKSE5994 ICHPWX01 - PROGRAM SYPWX01 NOT FOUND OR FAILED**

- Explanation:** PassGo Technologies program ICHPWX01 attempted to pass control to program SYPWX01 through the use of a dynamic LINK SVC. The operation failed.
- System action:** PassGo Technologies program SYPWX01 will not be executed. The consequences of this vary, but the product may not continue to function correctly.
- User response:** There are many reasons why it may not be possible to LINK dynamically to a module. Check that module SYPWX01 is correctly named in a LINKLIST library of the correct blocksize. View system console for accompanying IBM messages.

#### **CKSE5995 IEFU83 - PROGRAM SYSMFEX NOT FOUND OR FAILED**

- Explanation:** PassGo Technologies program IEFU83 attempted to pass control to program SYSMFEX through the use of a dynamic LINK SVC. The operation failed.
- System action:** PassGo Technologies program SYSMFEX will not be executed. The consequences of this vary, but the product may not continue to function correctly.
- User response:** There are many reasons why it may not be possible to LINK dynamically to a module. Check that module SYSMFEX is correctly named in a LINKLIST library of the correct blocksize. View system console for accompanying IBM messages.

#### **CKSE5996 ICHRIX02 - PROGRAM SYRIX02 NOT FOUND OR FAILED**

- Explanation:** PassGo Technologies program ICHRIX02 attempted to pass control to program SYRIX02 through the use of a dynamic LINK SVC. The operation failed.
- System action:** PassGo Technologies program SYRIX02 will not be executed. The consequences of this vary, but the product may not continue to function correctly.
- User response:** There are many reasons why it may not be possible to LINK dynamically to a module. Check that module SYRIX02 is correctly named in a LINKLIST library of the correct blocksize. View system console for accompanying IBM messages.

#### **CKSE5997 SYA2NPX - PROGRAM SYRIX02 NOT FOUND OR FAILED**

- Explanation:** PassGo Technologies program SYA2NPX attempted to pass control to program SYRIX02 through the use of a dynamic LINK SVC. The operation failed.
- System action:** PassGo Technologies program SYRIX02 will not be executed. The consequences of this vary, but the product may not continue to function correctly.
- User response:** There are many reasons why it may not be possible to LINK dynamically to a module. Check that module SYRIX02 is correctly named in a LINKLIST library of the correct blocksize. View system console for accompanying IBM messages.

#### **CKSE6000-2 UNABLE TO START TIMER TASK, RETURN CODE *nn***

- Explanation:** An error occurred while attempting to start the system's general timer task. This should not occur in normal running.
- System action:** The attempt to start the timer task is abandoned. Various system problems may result from the inability to perform certain types of work.
- User response:** Contact the local PassGo Technologies support office, quoting this message number.

#### **CKSE6001-8 ENTER XMS SSCT NAME**

- Explanation:** A four character SSCT name must be provided in order to start cross-memory services (XMS).
- System action:** None.
- User response:** Enter the SSCT name used by the product exits to communicate with this system.

#### CKSE6002-2 CROSS-MEMORY SERVICES XMS FAILED TO STARTUP (SSCT=*ssctname* XMSTART RC=*nn*)

- Explanation:** Cross-memory services XMS failed to start.
- System action:** Messages relating to the startup failure are stored in the NCILOG. The address space will continue but may not be fully-functioning.
- User response:** Examine the NCILOG before attempting to restart XMS. The return code provided by XMSTART RC=*nn* can be one of the following:
- 4 serious error occurred during attempt to start the cross memory system, eg no free NC-XMS storage queue elements.
  - 8 *parm1* routine could not be found.
  - 12 startup disallowed by non zero return code from startup options EXEC.
  - 16 start failed (for instance, XMS name is already active).
  - 20 NCI/XF not running authorized.
  - 24 the cross memory system name could not be started, because XMSTART found an error within MVS control blocks (SSCT for instance) relating to this particular name. This error might have arisen, for instance, because of the abnormal termination of an earlier NC-XMS system which served this cross memory system name. If return code 24 occurs, XMCLEAN should be executed in order to tidy up the corrupted control blocks, and XMSTART reissued.

#### CKSE6003-5 DATA EXTRACT FAILED RC *nn*

- Explanation:** The request for data from the external database failed with return code shown.
- System action:** The request is rejected.
- User response:** Determine the reason for failure (eg invalid user ID or job not authorized) and retry.

#### CKSE6004-4 REMOTE TCP/IP PARTNER HAS TERMINATED LINK (SOC=*aa*,INT=*bbb.bbb.bbb.bbb*,POR=*cccc*)

- Explanation:** A resource connected to this product through TCP/IP has terminated the session:
- SO = the Socket number.
  - IN = the Internet address of the Client.
  - POR = the Port number.
- System action:** The connection is terminated.
- User response:** The resource should be re-connected if required.

#### CKSE6005-2 *xxxx* UNABLE TO START ISC TASK (RC=*nn*)

- Explanation:** *xxxx* initialization was unable to complete because a failure occurred when attempting to start the ISC task.
- System action:** *xxxx* initialization fails.
- User response:** The state of the ISC task is described by the return code
- 4 Waiting
  - 8 Stopping
  - 12 Stopped
  - 16 Not stopped (TID not found)
  - 20 Invalid TID.

#### CKSE6006-4 *xxxx tasknnnn* NODE *acbname* INITIALIZATION IN PROGRESS

- Explanation:** *xxxx* has been enabled.
- System action:** The startup system for *xxxx* is in progress.
- User response:** None.

#### CKSE6007-2 *xxxx tasknnnn* UNKNOWN ERROR DURING INITIALIZATION RC=*nn*

- Explanation:** A critical error has occurred during initialization.
- System action:** *xxxx* initialization fails.
- User response:** Contact your local PassGo Technologies support office.

#### **CKSE6008-2 *xxxx* TASK $nnnn$ ERROR DURING INITIALIZATION (ISC RC= $nnn$ )**

- Explanation:** An error has occurred during *xxxx* startup.
- System action:** *xxxx* initialization fails.
- User response:** The return code, *nnn*, from ISC initialization describes the nature of the problem:
- 001 Missing parm EXEC routine. Contact PassGo Technologies.
  - 002 Error in parm EXEC routine. Contact PassGo Technologies.
  - 003 Missing start EXEC name. Contact PassGo Technologies.
  - 004 Missing finish EXEC name. Contact PassGo Technologies.
  - 005 Missing ISC ACB nodename. Contact PassGo Technologies.
  - 006 Invalid trace value. Valid values for *&isctrac* are 'TRACE' and 'NOTRACE'.
  - 007 Unable to load module(s). A corruption has occurred in the load library, or a module is missing.
  - 008 Open ACB failure. The nodename specified is either in use, or invalid.
  - 009 Stopped while waiting for ACB. The nodename specified is inactive. Vary the node name active.
  - 010 Setlogon failure.
  - 011 Protocol failure. Contact PassGo Technologies.
  - 012 Your VTAM does not support LU6.2 (APPC only).
  - 013 Invalid Mode. Contact PassGo Technologies.
  - 014 Attach of task failed.

#### **CKSE6009-2 *xxxx* TASK $name$ UNABLE TO OPEN NODE *acbname* - code= $nn$**

- Explanation:** An error has occurred during communications startup; *acbname* cannot be opened. The message is suffixed by the return code from the ACB open.
- System action:** *xxxx* initialization fails.
- User response:** Ensure that the host nodename entered is correct and that the ACB is active and available. Refer to IBM documentation for the meaning of the ACB open return code.

#### **CKSE6010-2 *xxxx* TASK $name$ UNABLE TO LOAD MODULE *name* (ISC RC=7)**

- Explanation:** ISC was not able to load module *name* into storage.
- System action:** ISC initialization fails.
- User response:** Check that the load library is complete and that there is sufficient storage for it to be loaded successfully. If necessary, reinstall from the production tape.

#### **CKSE6011-2 *xxxx* TASK $name$ TERMINATION DUE TO AN INTERNAL ABEND (RC=4)**

- Explanation:** *xxxx* has terminated owing to an internal error.
- System action:** *xxxx* is terminated.
- User response:** Contact your local PassGo Technologies support office.

#### **CKSE6012-4 *xxxx* TASK $name$ NODE *acbname* INITIALIZATION COMPLETE**

- Explanation:** *xxxx* initialization has completed successfully.
- System action:** If *xxxx* is MHO the system attempts to establish links with other nodes defined in the MHO network. If *xxxx* is APPC the system is ready to receive transactions from remote systems.
- User response:** None.

#### **CKSE6013-2 *xxxx* TASK $name$ NODE *acbname* INITIALIZATION FAILED**

- Explanation:** Communications initialization has failed to complete successfully.
- System action:** *xxxx* initialization fails.
- User response:** Refer to accompanying messages on log for further information regarding the nature of the failure.

#### **CKSE6014-4 *xxxx* TASK $nnnn$ NODE *name* - TERMINATION IN PROGRESS**

- Explanation:** *xxxx* is terminating.
- System action:** The *xxxx* task is shut down. No further transactions will be accepted until *xxxx* is enabled again.
- User response:** See accompanying messages for further information.

**CKSE6015-2 xxxx TERMINATION DUE TO UNKNOWN ERROR**

- Explanation:** The xxxx task was terminated for an unknown reason.
- System action:** None.
- User response:** Attempt to restart. If the problem recurs and cannot be traced, contact your local support office.

**CKSE6016-2 xxxx TERMINATION DUE TO NODE *acbname* BEING CLOSED**

- Explanation:** A TPEND has been scheduled and the ACB for the communications subsystem xxxx has been closed.
- System action:** xxxx is terminated.
- User response:** Vary ACB *acbname* active again if necessary.

**CKSE6017-2 xxxx TASK $nnnn$  TERMINATION DUE TO INITIALIZATION ERROR**

- Explanation:** xxxx has terminated owing to an internal error.
- System action:** xxxx is terminated.
- User response:** Contact your local PassGo Technologies support office.

**CKSE6018-4 xxxx TASK $nnnn$  TERMINATION COMPLETE**

- Explanation:** xxxx has been terminated.
- System action:** None.
- User response:** See accompanying messages for further information.

**CKSE6019-4 NC-PASS USER *user ID* LOGGED OFF FROM AGENT *agent* WITH REMOTE ID *ruser ID***

- Explanation:** The NC-PASS user, *user ID*, whose remote translated user ID is *ruser ID*, previously connected via Agent *agent*, has now logged off as requested by the user. This message is output only if the user has logged off using MyLogoff.
- System action:** None.
- User response:** None.

**CKSE6020-5 LOGIN FAILURE: ACCESS DENIED**

- Explanation:** The specified user has failed to logon to the network server. A possible reason for this is that the user's account may have become locked due to excessive invalid attempts.
- System action:** The logon is rejected.
- User response:** Check the user's account is not locked and advise him to retry.

**CKSE6021-6 LOGIN INCOMPLETE: PASSWORD HAS EXPIRED**

- Explanation:** The LAN user's password has expired.
- System action:** Prompts the user to enter a new password.
- User response:** Advise the user to enter a new password. If the user's LAN password expires when in Fallback, it may fall out of synchronization with the NC-PASS id password, so reset the LAN password expiry times to those on the Authentication Server if necessary.

**CKSE6022-5 AUTHENTICATION FAILURE: ACCESS IS NOT ALLOWED AT THIS TIME**

- Explanation:** Authentication of the specified NC-PASS user has failed. The use of NC-PASS has been restricted to certain periods for this user.
- System action:** The login is rejected.
- User response:** Check the date/time restrictions for the user on the Authentication Server and correct them if required.

#### **CKSE6023-5 LOGIN FAILURE: INVALID PASSWORD**

- Explanation:** The NC-PASS user has entered an incorrect password for his user ID.
- System action:** The login is rejected.
- User response:** Advise the user to retry. Check the user is using his current NC-PASS password. If the problem recurs, the password may have become unsynchronized, due to, for example, a long period of Fallback. If this has occurred then force the password change at the Authentication Server and expire it so that the user has to change it at the next logon.

#### **CKSE6024-5 LOGIN FAILURE: NO SUCH USER**

- Explanation:** The user ID supplied, (or substitute LAN user ID, if the Authentication Server has translated the user ID supplied) is not known to the network.
- System action:** The login is rejected.
- User response:** Check that the user is using the NC-PASS user ID assigned to him. Check that this user ID is defined at the Authentication Server and at the LAN. Review the user ID translation definitions on the Authentication Server for this user.

#### **CKSE6025-5 LOGIN FAILURE: UNAUTHORIZED LOGIN STATION**

- Explanation:** An attempt has been made to log in from a workstation disallowed by the Primary Agent Configuration Manager.
- System action:** The login is rejected.
- User response:** Check the locations from which the user can access the system and amend if necessary.

#### **CKSE6026-5 LOGIN FAILURE: FAILED TO LOAD UNICODE TABLE**

- Explanation:** The NetWare Unicode table is unavailable or cannot be found. Either the wrong language is being used or the path to the NLS directory is invalid or has not been set.
- System action:** The login is rejected.
- User response:** Check that the language matches that defined for NetWare. Check the path and access to the NLS directory and its contents match the set language.

#### **CKSE6027-5 LOGIN FAILURE: NO ACCOUNT BALANCE**

- Explanation:** The user has reached the LAN access time credit limit.
- System action:** The login is rejected.
- User response:** Re-credit the user's LAN account.

#### **CKSE6028-5 LOGIN FAILURE: NO MORE LAN CONNECTIONS AVAILABLE**

- Explanation:** No more connections to perform a LAN-based login are available. Either all available connections are exhausted or the maximum number of connections has been reached.
- System action:** The login is rejected.
- User response:** Advise the user to try later.

#### **CKSE6029-5 LOGIN FAILURE: NO CREDIT**

- Explanation:** The user has reached the LAN access time credit limit.
- System action:** The login is rejected.
- User response:** Re-credit the user's LAN account.

#### **CKSE6030-5 LOGIN FAILURE: MAXIMUM LOGINS EXCEEDED**

- Explanation:** No more connections to perform a LAN-based logon are available. Either all available connections are exhausted or the maximum number of connections has been reached.
- System action:** The login is rejected.
- User response:** Advise the user to try later.

**CKSE6031-5 LOGIN FAILURE: NETWARE ERROR**

- Explanation:** An error occurred in Novell's NetWare.  
**System action:** The login is rejected.  
**User response:** Check the user's actions and machine configuration to determine the problem.

**CKSE6032-6 LOGIN INCOMPLETE: PASSWORD HAS EXPIRED, NO GRACE**

- Explanation:** The user's LAN or Authentication Server password has expired and all grace logons have been used. The user must change his password before system access is allowed.  
**System action:** Prompts the user to change his password.  
**User response:** Advise the user to change his password.

**CKSE6033-5 LOGIN FAILURE: SUPERVISOR HAS DISABLED LOGIN**

- Explanation:** An administrator has modified the user's NC-PASS or LAN definition so that the user cannot log on to the system.  
**System action:** The logon is rejected.  
**User response:** If required, re-enable the account, to allow the user access to the system.

**CKSE6034-5 LOGIN FAILURE: ACCOUNT DISABLED**

- Explanation:** The user's security account has been disabled, either by the LAN administrator, or as a result of the user entering invalid information more than the permitted number of times.  
**System action:** The logon is rejected.  
**User response:** Re-enable the account if required.

**CKSE6035-5 LOGIN FAILURE: INTRUDER DETECTION LOCK**

- Explanation:** The network supervisor has limited the account to a specific number of logon attempts. The user has attempted to log on to the account without supplying the correct information within the permitted number of logon attempts.  
**System action:** Further logon attempts will be refused.  
**User response:** Re-enable the LAN account if required.

**CKSE6036-4 USER RISK PROFILE UPDATED**

- Explanation:** An administrator has updated the user risk profile.  
**System action:** The updated user risk profile is saved, and loaded for use.  
**User response:** None.

**CKSE6037-4 WORKSTATION RISK PROFILE UPDATED**

- Explanation:** An administrator has updated the workstation risk profile.  
**System action:** The updated workstation risk profile is saved, and loaded for use.  
**User response:** None.

**CKSE6038-6 LOGIN INCOMPLETE: NEW PASSWORD CONFIRMATION REQUIRED**

- Explanation:** The user has attempted to log on by entering a password that has expired or been changed. The system provides a panel where the new password may be specified. To prevent errors the new password must be typed twice.  
**System action:** Waits for second entry of password.  
**User response:** Advise the user to enter the password at the cursor position.

**CKSE6039-6 LOGIN INCOMPLETE: PASSWORD EXPIRED, NEW PASSWORD REQUIRED**

- Explanation:** The user's password has expired.  
**System action:** A prompt is issued for the new password.  
**User response:** Advise the user to enter a new password.

**CKSE6040-5 AUTHENTICATION FAILED: USER ACCESS REVOKED BY CA-TOP SECRET**

**CKSE6041-6 LOGIN INCOMPLETE: NEW PASSWORD NOT ACCEPTABLE**

- Explanation:** The log on procedure has included validation of the user's password. The password has expired and the user has been asked to provide a new one. The password entered is invalid. It may not contain embedded blanks or invalid characters or be the same as the original password.
- System action:** Logging on cannot proceed until a valid new password has been entered.
- User response:** Advise the user to correct and reenter the password.

**CKSE6042-5 AUTHENTICATION ABANDONED: PASSWORD RECORD NOT FOUND**

- Explanation:** An internal password record has not been found. This is a system fault.
- System action:** Logon rejected.
- User response:** Report this message to PassGo Technologies.

**CKSE6043-6 LOGIN INCOMPLETE: USER FAILED TO CORRECTLY CONFIRM NEW PASSWORD**

- Explanation:** The user has been asked to enter a new password twice to prevent errors. The two passwords are not identical.
- System action:** The change password panel is redisplayed.
- User response:** Advise the user to reenter the correct password or cancel the logon.

**CKSE6047-6 LOGIN INCOMPLETE: NEW PASSWORD REQUIRED**

- Explanation:** An attempt has been made to log on with an expired password.
- System action:** None.
- User response:** Advise the user to enter the new password.

**CKSE6048-6 AUTHENTICATION ABANDONED: INVALID DATA EXTRACTED FROM EXTERNAL DATABASE**

- Explanation:** Authentication for this user has been abandoned because the data extracted from an external security database was not recognized by the server.
- System action:** Authentication fails.
- User response:** Review the information stored in the external database and check that it is valid for this product.

**CKSE6049-5 AUTHENTICATION FAILED: PASSWORD INVALID**

- Explanation:** An attempt has been made to log on with an invalid password.
- System action:** The system does not permit the user to log on.
- User response:** Advise the user to enter the correct password.

**CKSE6050-5 AUTHENTICATION ABANDONED: ACF2 NOT ACTIVE**

- Explanation:** A user has been set up in his user profile definition to be authenticated by CA-ACF2. The user is attempting to authenticate himself, but the CA-ACF2 security system is not active.
- System action:** Logon refused.
- User response:** If the user is not intended to be validated by CA-ACF2, then review the user profile for this user. If you believe CA-ACF2 to be active, then contact your support office.

**CKSE6051-5 AUTHENTICATION ABANDONED: RACF NOT ACTIVE**

- Explanation:** A user has been set up in his user profile definition to be authenticated by RACF. The user is attempting to authenticate himself, but the RACF security system is not active.
- System action:** Logon refused.
- User response:** If the user is not intended to be validated by RACF, then review the user profile for this user. If you believe RACF to be active, then contact your support office.

#### **CKSE6052-5 AUTHENTICATION FAILED: USER PROFILE NOT DEFINED**

- Explanation:** An attempt has been made to log on with a user ID which has not been defined to the server.
- System action:** The system does not permit the user to log on.
- User response:** If this user is to be given authority to enter the network, then create a user profile for this user.

#### **CKSE6053-5 AUTHENTICATION FAILED: USERID IS LOCKED**

- Explanation:** A user has attempted to access the system when the user ID is locked, either manually, or because a logon retry limit has been exceeded.
- System action:** The logon is rejected and the logo is redisplayed. Further access is not permitted until the user ID has been unlocked.
- User response:** Unlock the user ID if required.

#### **CKSE6054-5 AUTHENTICATION FAILED: ACCESS ATTEMPTED OUTSIDE AUTHORIZED HOURS**

- Explanation:** A user has attempted to access the system at a time, and on a day of the week when he is not permitted to do so, because of the restrictions imposed by the user profile.
- System action:** The logon is rejected.
- User response:** Alter the date/time definitions for this user if required.

#### **CKSE6055-5 AUTHENTICATION ABANDONED: I/O ERROR**

- Explanation:** An I/O error has occurred during the authentication procedure.
- System action:** The logon fails. No access is permitted.
- User response:** See accompanying messages to discover the nature of the I/O error. Refer to IBM VSAM documentation.

#### **CKSE6056-5 AUTHENTICATION FAILED: TOKEN *type* DISABLED**

- Explanation:** An attempt has been made by a token user to access the system when the device type to be used is not enabled on the system.
- System action:** The logon is rejected.
- User response:** Enable the use of this token model, or free this user from the token, if it is not required for authorization.

#### **CKSE6057-5 AUTHENTICATION FAILED: UNAUTHORIZED USE OF TERMINAL**

- Explanation:** An attempt has been made to logon from a terminal other than the one allowed by the external security system.
- System action:** The logon is rejected.
- User response:** Review external security system restrictions for this user.

#### **CKSE6058-5 AUTHENTICATION FAILED: INVALID RESPONSE TO WATCHWORD CHALLENGE**

- Explanation:** A user has entered an invalid response to a WATCHWORD challenge during the logon procedure. Access is denied.
- System action:** The logon fails.
- User response:** If continued attempts fail, reinitialize or replace the token.

#### **CKSE6069-5 AUTHENTICATION ABANDONED: INVALID LOGO DATA SPECIFIED**

- Explanation:** A logo has been set up incorrectly.
- System action:** Any access to the system from this logo is automatically rejected.
- User response:** Ensure that the correct keywords are used on the EXEC routine in the )PROC section of the logo.

#### **CKSE6070-5 AUTHENTICATION FAILED: INVALID ATTEMPT TO ACCESS ADMINISTRATION**

- Explanation:** A user has attempted to access an administration menu, where the user's profile does not permit it. The user profile defines the authority type as a user (U).
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** If administration is required for this user then the user profile's authority group should be defined as an operator (O) or an administrator (A).

**CKSE6071-5 AUTHENTICATION FAILED: INVALID SECURID PRN**

- Explanation:** A user has entered an invalid SecurID Pseudo Random Number (PRN) during the logon procedure. Access is denied.
- System action:** The logon fails.
- User response:** If continued attempts fail, reset or replace the token.

**CKSE6072-5 AUTHENTICATION FAILED: USER TOKEN RECORD NOT FOUND**

- Explanation:** An internal error has occurred where a user ID is cross-referenced with a token which does not exist.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Contact your support office.

**CKSE6073-5 AUTHENTICATION FAILED: DUPLICATE SECURID PRN=**

- Explanation:** A user has attempted to log onto the system with a Pseudo Random Number which has already been used. This is not permitted.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Advise the user to wait until the PRN changes on the SecurID token, then repeat the logon procedure using the new number.

**CKSE6074-5 AUTHENTICATION FAILED: ACCESS PROHIBITED BY TOKEN DEFINITION**

- Explanation:** An attempt has been made to log on using a token whose token profile is disabled.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Enable the token profile if required.

**CKSE6075-5 AUTHENTICATION FAILED: USERID CONTAINS INVALID CHARACTERS**

- Explanation:** An attempt was made to log on using an invalid user ID.
- System action:** The logon is rejected.
- User response:** Enter the correct user ID.

**CKSE6076-5 AUTHENTICATION FAILED: UNAUTHORIZED ATTEMPT TO INVOKE ADMINISTRATION**

- Explanation:** A user has attempted to access an administration function to which he is not authorized by amending his user ID, authority group or authority level.
- System action:** The offending terminal or workstation is locked and displays an information panel.
- User response:** Unlock the terminal or workstation if required.

**CKSE6077-5 AUTHENTICATION FAILED: ENTRY DISALLOWED TO *name***

- Explanation:** An attempt has been made to execute the NCI routine *name* by a user whose user profile is not defined as an administrator or operator. Permission was refused.
- System action:** The function is terminated.
- User response:** The user profile should have administrator or operator authority to perform the function requested.

**CKSE6078-5 AUTHENTICATION FAILED: INVALID CSL S200 SPIN**

- Explanation:** A CSL user has attempted to log on with a token. The session personal identification number (SPIN) was invalid.
- System action:** The logon is rejected and the logo is redisplayed.
- User response:** Reinitialize the device or increase the CSL SPIN window size.

**CKSE6079-5 AUTHENTICATION ABANDONED: DATABASE BACKUP IN PROGRESS**

- Explanation:** An attempt was made to log on while database backup was in progress.
- System action:** Access is rejected.
- User response:** Advise users to wait until maintenance has finished, then repeat the logon procedure.

#### **CKSE6080-5 AUTHENTICATION FAILED: UNAUTHORIZED ATTEMPT TO CONNECT TO SERVER**

- Explanation:** An attempt has been made to connect to server as an administrator using CINIT data. CINIT data is used internally and cannot be specified by the user.
- System action:** The logon attempt is rejected. The user is returned to the logo.
- User response:** None.

#### **CKSE6082-5 AUTHENTICATION FAILED: USER ACCESS REVOKED BY RACF**

#### **CKSE6083-5 AUTHENTICATION FAILED: INVALID RESPONSE TO CRYPTOCARD CHALLENGE**

#### **CKSE6084-5 AUTHENTICATION FAILED: USERID REQUIRES A PASSWORD**

#### **CKSE6085-5 AUTHENTICATION FAILED: INVALID LOCK INTERVAL IN RACF USER PROFILE**

- Explanation:** The administrator has prepared the system so that it will use the facility to extract user profile data from RACF during the log on procedure. The data in this case is the 'Basic lock interval' displayed on the user profile panel. The lock interval retrieved from the RACF user's installation data is invalid (Not in range 0 through 99).
- System action:** Logon is rejected.
- User response:** Consult your system and RACF administrators. The system administrator may need to use the 'Locked users' panel to unlock the user. The RACF administrator must correct the lock interval specified in the RACF user profile. It must be in the range 0 through 99.

#### **CKSE6086-5 AUTHENTICATION FAILED: INVALID TOKEN SERIAL NUMBER IN RACF PROFILE**

- Explanation:** The administrator has prepared the system so that it will use the facility to extract a token serial number from RACF during the log on procedure. The token serial number stored in the RACF user's installation data is in an unrecognized format.
- System action:** The user is logged off, and will be returned to the logo.
- User response:** The RACF administrator must correct the token serial number specified in the RACF user profile. It must be numeric.

#### **CKSE6087-5 AUTHENTICATION FAILED: INVALID BYPASS TOKEN FLAG IN RACF USER PROFILE**

- Explanation:** The administrator has prepared the system so that it will use the facility to extract a one-time bypass token processing flag from RACF during the log on procedure. The flag is in an unrecognized format.
- System action:** Logon rejected.
- User response:** The RACF administrator must correct the bypass token flag specified in the RACF user profile. It can be either Y or N as follows:
- Y - The user will not be authenticated using his token the first time he logs on.
  - N - The user will be authenticated using his token the first time he logs on.

#### **CKSE6088-5 AUTHENTICATION FAILED: TOKEN NOT ENABLED AT SYSTEM LEVEL**

- Explanation:** The administrator has prepared the system so that it will use the facility to extract a token serial number from RACF during the log on procedure. The token serial number extracted from the user's RACF installation data belongs to a token type which is not enabled on the server.
- System action:** Logon is rejected.
- User response:** The administrator should examine the token serial number specified in the RACF user profile, and the relevant token record on the database. The token record will be of a specific type, for example, 'SecurID'. The administrator should examine whether this token type is enabled at the system level using the 'Token directory' panel.

#### **CKSE6089-5 AUTHENTICATION FAILED: INVALID RISK DATA IN RACF USER PROFILE**

- Explanation:** The administrator has prepared the system so that it will use the facility to extract user profile data from RACF during the log on procedure. The data in this case is the 'risk data' displayed on the User Risk Profile panel. The risk data extracted from the RACF user's installation data is not in a recognized format.
- System action:** Logon is rejected.
- User response:** The RACF administrator must correct the risk data specified in the RACF user profile. It must be in the format:
- RISK=a/b/c/d/e/f
- where a,b,c,d,e and f represent the six columns of risk data displayed on the User Risk Profile panel. Example risk data values are: 'Y,Y' and 'LOCK'.

**CKSE6090-7 AUTHENTICATION CONTINUES: VALID RESPONSE FOR SECURENET KEY**

**Explanation:** Validation of a SecureNet Key response has been successful.  
**System action:** None.  
**User response:** None.

**CKSE6091-7 AUTHENTICATION CONTINUES: VALID RESPONSE FOR CRYPTOCARD**

**Explanation:** Validation of a CRYPTOCard response has been successful.  
**System action:** None.  
**User response:** None.

**CKSE6092-7 AUTHENTICATION CONTINUES: VALID RESPONSE FOR SAFE S220**

**Explanation:** Validation of a Safe S220 response has been successful.  
**System action:** None.  
**User response:** None.

**CKSE6093-5 AUTHENTICATION ABANDONED: RACF IS NOT AVAILABLE**

**Explanation:** An activity has been initiated that requires communication with RACF. The server cannot access RACF information.  
**System action:** The activity will fail.  
**User response:** If you believe RACF to be active in your operating system, then contact your support office.

**CKSE6094-5 LOGIN FAILURE: USERID *userID* NETWORK *networkid* EXTERNAL TRANSLATION FAILED**

**Explanation:** This message is issued when a user ID translation attempt has failed, using an external translation table stored, for example, in RACF.  
**System action:** None.  
**User response:** Examination of the *userID* and *network ID*, and comparison with the externally stored translation table will almost certainly reveal a 'not found' condition. Exceptions to this condition, for example in RACF, the incorrect specification of a 'keyword' in an Installation Data field, confirm that corrections will be required by the RACF and system administrators.

**CKSE6095-5 LOGIN FAILURE: EXTERNAL USERID TRANSLATION FAILURE *xxxxxxx***

**Explanation:** This message is issued when a user ID translation attempt has failed, using an external translation table stored, for example, in RACF. The name of the security system is identified by *xxxxxxx*. This failure was due to a severe error and not, for example, due to a user ID missing from a translation table.  
**System action:** The user ID is not translated.  
**User response:** The system administrator may need to contact the local support office.

**CKSE6096-5 AUTHENTICATION ABANDONED: *xxxxxxx* LIBRARIES NOT AUTHORISED**

**Explanation:** A user has attempted to log on and is set up in his user profile as being protected by an external security database, identified by *xxxxxxx*, but validation cannot be completed because the load libraries of the server job are not authorized.  
**System action:** Logon is rejected.  
**User response:** Have appropriate load libraries APF-authorized.

**CKSE6097-5 AUTHENTICATION FAILED: INVALID ACTIVCARD DYNAMIC PASSWORD**

**Explanation:** An invalid dynamic password has been received.  
**System action:** Access will not be allowed.  
**User response:** Advise the user to enter a correct ActivCard dynamic password. If INTERNAL CHALLENGE MODE is being used, ensure the system is synchronized, and the card counter on the system is correct.

**CKSE6098-5 AUTHENTICATION FAILED: NO ACTIVCARD SLOT MATCHED WITH DEFINED NAME**

**Explanation:** An ActivCard token was used, but no slot matched with the definition on the database.

**System action:** Access is not allowed.

**User response:** Ensure the card is set up correctly.

**CKSE6099-5 AUTHENTICATION FAILED: DIGIPASS SIGNATURE NOT VALID**

**Explanation:** A request to validate a Digipass signature has failed.

**System action:** None - remote system should reject.

**User response:** Correct as needed.

**CKSE6100-5 AUTHENTICATION FAILED: DUPLICATE DIGIPASS KEY**

**Explanation:** You have entered a KEY that has been successfully used already.

**System action:** Access denied.

**User response:** Generate a new key and reenter.

**CKSE6101-5 AUTHENTICATION FAILED: INVALID DIGIPASS KEY**

**Explanation:** A Digipass KEY has been entered that is not valid at this time.

**System action:** Access denied.

**User response:** Generate a new key and reenter.

**CKSE6102-5 AUTHENTICATION FAILED: DIGIPASS SIGNATURE HAS ALREADY BEEN USED**

**Explanation:** This signature has been used before.

**System action:** None - remote system may reject.

**User response:** Check entry and re enter if needed.

**CKSE6103-6 AUTHENTICATION FAILED: USERID NOT SPECIFIED**

**Explanation:** The user is required to enter a user ID, but none was supplied.

**System action:** None.

**User response:** Advise the user to enter a valid user ID.

**CKSE6104-5 INVALID RESPONSE FOR NEW SAFE S220 PIN**

**Explanation:** The response entered to verify a new PIN was rejected.

**System action:** The record of the PIN is not altered.

**User response:** Have the user repeat the logon process again, changing the PIN if necessary, taking care to enter the response to the new PIN correctly. If attempts consistently fail, then the device should be reset.

**CKSE6105-7 LOGIN COMPLETE: INITIAL MENU ID=*menuid***

**Explanation:** The administrator has logged on successfully and is to be routed to the specified administration menu.

**System action:** The administrator is routed to the specified destination.

**User response:** None.

**CKSE6106-7 AUTHENTICATION CONTINUES: SELF-REGISTRATION IN PROGRESS**

**Explanation:** A user is attempting to assign a token to himself through the self-registration dialog at logon. The user is not currently assigned to a token and the system flag to allow self-registration is ON.

**System action:** A series of panels is displayed to allow the user to register himself.

**User response:** Follow the instructions on the subsequent panels.

**CKSE6107-7 AUTHENTICATION CONTINUES: SELF-REGISTRATION COMPLETED SUCCESSFULLY**

- Explanation:** A user has assigned a token to himself by the use of self-registration panels at logon.
- System action:** A cross-reference is made on the database linking the user with the token specified during self-registration.
- User response:** None.

**CKSE6108-7 AUTHENTICATION ABANDONED: SELF-REGISTRATION ABANDONED BY USER**

- Explanation:** A user was invited to assign his user ID to a token via self-registration at logon. The invitation was refused.
- System action:** None.
- User response:** None.

**CKSE6109-5 AUTHENTICATION CONTINUES: INVALID PRN FOR TOKEN *type/ser* RETRYING WITH *type/ser***

- Explanation:** A logon attempt with a token has failed. In the case of a SecurID token an invalid PRN has been entered.
- System action:** The token has a replacement allocated. The logon will continue by testing whether the PRN is valid for the replacement token.
- User response:** None.

**CKSE6110-5 AUTHENTICATION FAILED: TOKEN *typ/ser* NOT ACCEPTED AS REPLACEMENT FOR *typ/ser***

- Explanation:** A logon attempt with a token failed. A replacement token was tried, but the validation for this token also failed.
- System action:** The logon attempt is rejected. The user remains assigned to the first token used.
- User response:** Ensure that the replacement token has been correctly prepared.

**CKSE6111-7 AUTHENTICATION CONTINUES: TOKEN *typ/ser* ACCEPTED AS REPLACEMENT FOR *typ/ser***

- Explanation:** A logon attempt with a token failed. A replacement token has been tried and accepted.
- System action:** The logon attempt is accepted. The user (or users) assigned to the first token will be assigned to the replacement token.
- User response:** From this time, the user will be required to use the replacement token, to which he will now be assigned.

**CKSE6112-7 LOGIN CONTINUES: USERID *userid* NETWORK *networkid* TRANSLATED TO *userid***

- Explanation:** This message is issued when a user ID has been successfully translated. It is for information only.
- System action:** None.
- User response:** None.

**CKSE6113-3 SERVICE ROUTINE CALL FAILED: NCI ROUTINE BUILD OR RUNTIME ERROR**

- Explanation:** An attempt has been made by the client software to invoke an NCI exec routine on the NC-PASS Authentication Server through the Service Routine Call API. The system was unable to run the requested Service Routine either because it could not be built or because it encountered a runtime error.
- System action:** The Authentication Server attempts to recover from the error, and send a reply to the client.
- User response:** Examine accompanying messages to diagnose and correct the problem.

**CKSE6114-3 SECURID SYNCH FAILED: NO SYSTEM RECORD**

- Explanation:** The system was unable to synchronize the SecurID records in the administration database because no SecurID system record was found.
- System action:** No SecurID processing will be available.
- User response:** Follow supplied SecurID installation documentation, ensuring that all SecurID records have been copied correctly and successfully to the administration database.

#### **CKSE6115-4 REPLY 'END', 'HELP' OR CDM SERIAL NO**

**Explanation:** The Authentication Server is configured to prompt for SecurID synchronization at startup. The operator is required to reply to this message with 'END', to bypass synchronization, 'HELP' to get on-line help for SecurID synchronization, or the serial number stamped on the supplied synchronization device (called a CDM).

**System action:** System startup halts. Processing will not continue until the operator replies to this message.

**User response:** Reply 'END' to bypass synchronization, or with the CDM's serial number.

#### **CKSE6116-4 YOU WILL BE PROMPTED FOR THE SERIAL NUMBER OF THE CDM**

**Explanation:** This is part of a multi-line console help message.

**System action:** None.

**User response:** None.

#### **CKSE6117-4 THAT YOU ARE USING. YOU SHOULD REPLY WITH THE NUMBER**

**Explanation:** This is part of a multi-line console help message.

**System action:** None.

**User response:** None.

#### **CKSE6118-4 THAT IS STAMPED ON THE CDM. IF THIS NUMBER IS CORRECT YOU**

**Explanation:** This is part of a multi-line console help message.

**System action:** None.

**User response:** None.

#### **CKSE6119-4 WILL BE ASKED FOR THE NUMBER THAT IS CURRENTLY**

**Explanation:** This is part of a multi-line console help message.

**System action:** None.

**User response:** None.

#### **CKSE6120-4 DISPLAYED ON THE DEVICE. REPLY WITH THIS NUMBER**

**Explanation:** This is part of a multi-line console help message.

**System action:** None.

**User response:** None.

#### **CKSE6121-4 AND WAIT UNTIL THE NUMBER CHANGES. USE THIS AS THE**

**Explanation:** This is part of a multi-line console help message.

**System action:** None.

**User response:** None.

#### **CKSE6122-4 REPLY TO THE FINAL MESSAGE**

**Explanation:** This is part of a multi-line console help message.

**System action:** None.

**User response:** None.

#### **CKSE6123-3 UNRECOGNIZED SECURID CDM SERIAL NO**

**Explanation:** The CDM serial number entered is not known by the system.

**System action:** None. The system cannot synchronize SecurID records.

**User response:** Re-enter the CDM serial number stamped on the device. If the system does not accept the number, then follow SecurID installation documentation supplied to ensure that all SecurID records have been copied correctly and successfully to the administration database.

#### **CKSE6124-4 REPLY WITH CURRENT CDM NO, HELP OR END**

- Explanation:** SecurID synchronization is in progress. The system requires the currently-displayed number to be entered to perform synchronization.
- System action:** None.
- User response:** Enter the number currently displayed on the CDM device.

#### **CKSE6125-4 REPLY WITH NEW CDM NO, HELP OR END**

- Explanation:** SecurID synchronization is in progress. The system requires the next number to appear on the CDM to be entered to perform synchronization.
- System action:** None.
- User response:** Wait for the number to change on the CDM device, then reply to this message with the currently-displayed number.

#### **CKSE6126-3 NUMBER ENTERED SAME AS PREVIOUS NUMBER**

- Explanation:** SecurID synchronization is in progress. The system required the NEXT number to appear on the CDM to be entered to perform synchronization. The operator replied with the CURRENT number.
- System action:** None.
- User response:** Repeat the procedure, this time waiting for the number to change on the CDM device before replying.

#### **CKSE6127-4 SECURID SYNCHRONIZATION SUCCESSFUL**

- Explanation:** SecurID synchronization was successful.
- System action:** Operator dialog ends and startup continues.
- User response:** None.

#### **CKSE6128-3 WARNING: IPL TIME LESS THAN LAST IPL**

- Explanation:** Indicates a possible problem with the SecurID system record stored on the administration database.
- System action:** None.
- User response:** If problems are subsequently experienced with SecurID token authentication, then report this message to CKS.

#### **CKSE6129-3 SYNCH FAILED: RC=*nn* FEEDBACK<sub>xxxx</sub>**

- Explanation:** The Authentication Server was configured to prompt for SecurID synchronization at startup. Synchronization was attempted but failed.
- System action:** None.
- User response:** Report this message to PassGo Technologies.

#### **CKSE6130-4 REPLY 'RETRY' OR 'END'**

- Explanation:** This message is output when synchronization has failed and invites the operator to restart the dialog to try again.
- System action:** None.
- User response:** Reply as required.

#### **CKSE6131-4 SECURID SYNCH BYPASSED BY OPERATOR**

- Explanation:** The Authentication Server was configured to prompt for SecurID synchronization at startup. Synchronization was bypassed by the operator by replying 'END' to the prompt.
- System action:** The system continues to start up without having synchronized SecurID records.
- User response:** None.

#### **CKSE6132-2 REGISTRATION OF AGENT *agentid* REJECTED BY USER EXIT *number* RC=*nn***

- Explanation:** A user exit has rejected an AGENT registration request.
- System action:** The AGENT will not be registered. No request data will be processed for that AGENT.
- User response:** Look at code in the specified user exit to determine the reason.

#### **CKSE6133-2 CALL OF NCENCDEC FAILED RC= rc UPON ENCRYPTION**

- Explanation:** An error was encountered during the Encryption process.
- System action:** All such faults encountered during Encryption will be dealt with as Fatal and so halt the current processing.
- User response:** Implement Trace options PROG1 & PROG2 to follow the input through the Encryption to locate the error.

#### **CKSE6134-2 CALL OF NCENCDEC FAILED RC=rc UPON DECRYPTION**

- Explanation:** An error was encountered during the decryption process.
- System action:** All such faults encountered during Decryption will be considered Fatal and so abort the current API transaction. If such an abort occurs during the Encryption agreement the Agent will have to reregister.
- User response:** Switch tracing on and repeat the transaction to follow the transaction through to the Decryption problem.

#### **CKSE6135-5 ENCRYPTED AGREEMENT HAS FAILED FOR AGENT *agent-id***

- Explanation:** An error occurred during the Mutual Authentication stage of establishing an encrypted dialogue between the Agent and the Authentication Server.
- System action:** The reason for the failure will be provided in the preceding error message.
- User response:** Act upon User Response to previous error message.

#### **CKSE6136-5 ILLOGICAL ENCRYPTION API=*api* FOR A CLEAR TEXT DIALOGUE**

- Explanation:** An Encryption Agreement API has been received at the Authentication Server when Encryption has been Disabled between the Agent and Authentication Server.
- System action:** This is an illogical error and should never occur. This transmission packet will therefore be rejected.
- User response:** Investigate how an Encryption API was transmitted by the Agent when encryption has been disabled for the Agent at the Authentication Server.

#### **CKSE6137-5 AUTHENTICATION STAMP MISMATCH FOR AGENT *agent-id***

- Explanation:** An Authentication Stamp mismatch exists between the Agent and the Authentication Server. A system violation has been prevented by trapping the false packet insert.
- System action:** The packet will be dropped by the Authentication Server.
- User response:** Investigate a probable Security violation through this Agent.

#### **CKSE6138-5 INVALID AGENT CHALLENGE TO AUTHENTICATION SERVER**

- Explanation:** The Agent has offered an invalid Challenge to the Authentication Server during the Mutual Authentication phase of the Encryption Agreement.
- System action:** The Encryption Agreement packet will be dropped.
- User response:** The Agent will have to register again.

#### **CKSE6139-5 AUTHENTICATION SERVER SESSION SEND COUNT EXCEEDED MAX VALUE**

- Explanation:** The Authentication Server Session Send Count has exceeded its maximum value.
- System action:** All dialogue sessions between Agent and Authentication Server will be broken.
- User response:** Each Agent must be reregistered with the Authentication Server.

#### **CKSE6140-5 INVALID SESSION SEND COUNT FOR AGENT *agent-id***

- Explanation:** A previously transmitted package has been detected during a dialogue between an Authorized Agent and the Authentication Server.
- System action:** The packet will be dropped by the Authentication Server.
- User response:** Investigate a probable security violation through this Agent.

#### **CKSE6141-7 AUTHENTICATION CONTINUES: VALID ACTIVCARD DYNAMIC PASSWORD**

- Explanation:** A valid dynamic password from an ActivCard token has been received.
- System action:** Access will be allowed as appropriate.
- User response:** None.

#### **CKSE6142-5 AUTHENTICATION SERVER CHALLENGE MISMATCH FOR AGENT *agent-id***

- Explanation:** During Encryption Agreement a mismatch was encountered between the Challenge offered up by the Agent and the original copy held on the Authentication Server.
- System action:** The Agent's Session with the Authentication Server will be broken.
- User response:** Investigate a probable Encryption/Decryption error or a possible Security violation.

#### **CKSE6143-5 LAN SERVER: ADMINISTRATIVE PRIVILEGE IS REQUIRED**

- Explanation:** The user attempted to access a resource that is not available to him. It is possible that:
- the user does not have a valid account on the server sharing the resource
  - the user's account on this server has not been granted the permissions necessary to access the resource.
- System action:** Network access is denied.
- User response:** Advise the user to ensure the correct name was specified for the resource required and to retry the command. This message reports a LAN Server error. Its equivalent LAN Server message number is SYS0065. Refer to appropriate LAN Server documentation for guidance.

#### **CKSE6144-5 LAN SERVER: WORKSTATION DRIVER IS NOT INSTALLED**

- Explanation:** The requester-Server is not installed, or the user's IBMLAN.INI file or CONFIG.SYS file is incorrect.
- System action:** Network access is denied.
- User response:** This message reports a LAN Server error. Its equivalent LAN Server message number is NET2102. Refer to appropriate LAN Server documentation for guidance.

#### **CKSE6145-5 LAN SERVER: THE REQUESTOR SERVICE HAS NOT BEEN STARTED**

- Explanation:** The user tried to use the network before starting the Requester service.
- System action:** Network access is denied.
- User response:** To start the requester, type:  
NET START REQUESTER
- This message reports a LAN Server error. Its equivalent LAN Server message number is NET2138. Refer to appropriate LAN Server documentation for guidance.

#### **CKSE6146-5 LAN SERVER: THE WORKSTATION IS ALREADY LOGGED ON TO THE LAN**

- Explanation:** A user is already logged on at this requester.
- System action:** Network access is denied.
- User response:** To see the user ID currently logged on at the requester, type NET CONFIG REQUESTER.  
To log that user off, type LOGOFF.
- The user can then log on. This message reports a LAN Server error. Its equivalent LAN Server message number is NET2200. Refer to appropriate LAN Server documentation for further guidance.

#### **CKSE6147-5 LAN SERVER: THE LOGON PROCESSOR DID NOT ADD THE MESSAGE ALIAS**

- Explanation:** The user ID was not added as a new message name for one of the following reasons:
- the Messenger service is not started in the user's requester
  - the user ID and the user's requester machine ID are the same, and the requester machine ID is already a message name
  - the user ID is in use as a message name on another workstation on the network. In this case, the user cannot receive messages at the local requester using this name.
- System action:** The client function fails.
- User response:** Start the Messenger service of your requester if it is not already started. Use the NET NAME command to add the user ID as a message name. If the user ID is being used as a message name on another workstation, delete the message name on that workstation. Then use the NET NAME command to add the user ID as a message name on this workstation.
- This message reports a LAN Server error. Its equivalent LAN Server message number is NET2204. Refer to appropriate LAN Server documentation for further guidance.

#### **CKSE6148-5 LAN SERVER: THE LOGOFF PROCESSOR DID NOT DELETE THE MESSAGE ALIAS**

- Explanation:** The message name corresponding to this user ID was not deleted. Either the user ID is the same as the machine ID, or the user ID is being used as a message name on some other workstation in the network.
- System action:** The client function fails.
- User response:** This message reports a LAN Server error. Its equivalent LAN Server message number is NET2206. Refer to appropriate LAN Server documentation for further guidance.

#### **CKSE6149-5 LAN SERVER: ACTIVE CONNECTIONS STILL EXIST**

- Explanation:** The user tried to delete a network connection that has an active process, or the user tried to log off while he has an active process.
- System action:** The client function fails.
- User response:** Advise the user to ensure that the processes running on a server are completed before he breaks the connection to that server, and that processes on all remote servers are completed before the user logs off. This message reports a LAN Server error. Its equivalent LAN Server message number is NET2402. Refer to appropriate LAN Server documentation for further guidance.

#### **CKSE6150-5 LAN SERVER: UNABLE TO SET LOGON INFORMATION FOR THIS USER**

- Explanation:** The domain controller could not update the logon or logoff information.
- System action:** The client function fails.
- User response:** Stop and start the Netlogon service again at the domain controller. This message reports a LAN Server error. Its equivalent LAN Server message number is NET2454. Refer to appropriate LAN Server documentation for further guidance.

#### **CKSE6151-5 LAN SERVER: THE NETLOGON SERVICE HAS NOT BEEN STARTED**

- Explanation:** The Netlogon service is not running.
- System action:** The client function fails.
- User response:** Start the Netlogon service at the server, and then type the command again. This message reports a LAN Server error. Its equivalent LAN Server message number is NET2455. Refer to appropriate LAN Server documentation for further guidance.

#### **CKSE6152-5 LAN SERVER: UNABLE TO GROW THE USER ACCOUNT SYSTEM DATABASE**

- Explanation:** The user accounts database cannot be enlarged because the server fixed disk is full.
- System action:** The client function fails.
- User response:** Remove unnecessary and outdated files from the server disk. This message reports a LAN Server error. Its equivalent LAN Server message number is NET2456. Refer to appropriate LAN Server documentation for further guidance.

#### **CKSE6153-5 LAN SERVER: ALREADY LOGGED ON**

- Explanation:** A user attempted to log on, but was already logged on.
- System action:** Request is denied.
- User response:** None.

#### **CKSE6154-5 LAN SERVER: NETWORK ERROR**

- Explanation:** A NC-PASS client function failed due to a network error.
- System action:** The function fails. This may result in a logon or logoff failure.
- User response:** Examine accompanying messages to determine the nature of the error.

#### **CKSE6155-5 LAN SERVER: THE WORKSTATION IS NOT LOGGED ON TO THE LAN**

**Explanation:** The user must log on to the network before performing the operation.

**System action:** The client function fails.

**User response:** To log on type:  
LOGON

This message reports a LAN Server error. Its equivalent LAN Server message number is NET2201. Refer to appropriate LAN Server documentation for further guidance.

#### **CKSE6156-4 USER EVENT *localnum* NOT SENT TO *agent-id*, *reason***

**Explanation:** A user event was being prepared for the specified Agent, but NC-PASS was unable to send the transmission due to either:

- the Agent being disabled at time of transmission, or
- the Agent not being defined to NC-PASS, or
- the transmission being prevented due to non zero return code issued from MYEXIT20.

**System action:** The user event is not transmitted.

**User response:** Either define and/or enable the Agent as appropriate or modify the exit to enable transmission, if required.

#### **CKSE6157-4 USER EVENT *localnum* SEND TO *agent-id*, QUEUED**

**Explanation:** A transmission of the user event specified has been queued as the Agent is not currently active, or is processing outstanding transmissions.

**System action:** The event will be sent when the Agent is ready.

**User response:** None.

#### **CKSE6158-4 USER EVENT *localnum* SENT TO *agent-id***

**Explanation:** The user event specified has been transmitted to the named Agent.

**System action:** The system waits for confirmation.

**User response:** None.

#### **CKSE6159-4 USER EVENT *localnum* RECEIVED FROM *source*, TYPE *type***

**Explanation:** A user event has been received by NC-PASS from the user event *source* specified.

**System action:** The event will be processed.

**User response:** None.

#### **CKSE6160-4 USER EVENT *localnum* RECEIVED FROM AGENT *agent-id*, TYPE *type*, NUMBER *number***

**Explanation:** An Agent has generated a user event as specified.

**System action:** The event will be processed.

**User response:** None.

#### **CKSE6161-5 UNAUTHORIZED REQUEST 001C FROM UNREGISTERED AGENT *agent-id***

**Explanation:** There has been a problem with registration, possibly caused by a communications error.

**System action:** Registration is aborted.

**User response:** Repeat the registration process. If this fails, contact your local PassGo Technologies support office.

**CKSE6162-5 INVALID CHECKSUM, REQUEST REJECTED FROM AGENT *agent-id***

**Explanation:** A request has been received from an Agent in clear text, ie not encrypted. This request had a checksum included. The checksum does not match the data of the request.

**System action:** The request is ignored.

**User response:** This indicates that the data or the checksum has been altered since the request was prepared by the Agent. This may indicate a security problem. One possible reason is that encryption has been enabled at the Authentication Server but not at the Agent, or vice-versa.

**CKSE6163-05 INVALID OPERATION TO GENERATE DES KEY FOR AGENT *agent-id***

**Explanation:** A request to Auto generate a DES key and distribute to an Agent has been rejected. For this operation to function the Agent must be registered, active and have encryption enabled.

**System action:** The request is ignored.

**User response:** Ensure that the agent is registered, active and that encryption is enabled.

**CKSE6164-9 DES KEY SUCCESSFULLY SENT TO AGENT *agent-id***

**Explanation:** A DES key has been successfully generated and distributed to the Agent.

**System action:** The full operation of writing the DES key to disk storage will be delayed until the Agent has returned a confirmation that it has received and successfully processed the key. The Agent will use this DES key next time it registers.

**User response:** None.

**CKSE6165-8 ERROR UPON GENERATING DES KEY FOR AGENT *agent-id***

**Explanation:** An error has occurred while generating a DES key to the Agent.

**System action:** The request is ignored.

**User response:** Determine the cause by reference to the accompanying error message which will provide specific detail about the problem encountered.

**CKSE6166-8 DES KEY FAILED TO REGISTER WITH AGENT *agent-id***

**Explanation:** The Agent was unsuccessful in registering the DES key automatically generated from the Authentication Server.

**System action:** The current DES key will remain in use.

**User response:** The reason for the failure must be determined at the Agent.

**CKSE6167-8 DES KEY ENCRYPTION ERROR ENCOUNTERED FOR AGENT *agent-id***

**Explanation:** The automatic DES key has been successfully registered by the Agent. However, an error has occurred during the encryption of the DES key at the Authentication Server prior to writing the DES key to disk storage.

**System action:** The automatic DES key generation has failed. This will cause a problem when the Agent next registers as the DES key at the Agent will be different from that recorded for the same Agent at the Authentication Server.

**User response:** The DES keys must be brought back into synchronization. For example, manually enter identical DES keys at the Agent and through the appropriate Authentication Server administration panel to correct this error.

**CKSE6168-9 DES KEY SUCCESSFULLY RECORDED BY AUTH SERVER AND AGENT *agent-id***

**Explanation:** The automatic DES key has been successfully registered by the Agent and the Authentication Server and written to disk storage.

**System action:** The Agent will use this DES key for the registration process when establishing its next session with the Authentication Server.

**User response:** None.

**CKSE6169-4 TCP/IP INTERNET ADDRESS DEFAULT USED (IP ADDR=a.a.a.a)**

- Explanation:** This message is issued when the administrator has not provided an Internet address. Provision of an Internet Address is essential to NC-PASS.
- System action:** A default Internet Address is used, that is displayed in the message suffix.
- User response:** None.

**CKSE6170-5 INVALID SESSION KEY GENERATED BY AGENT *agent-id***

- Explanation:** During Encryption Agreement an unsuitable Session Key was generated by the Agent. Encryption errors would immediately result if this dialogue, between the Authentication Server and Agent, was allowed to continue.
- System action:** The Agent's session with the Authentication Server will be broken.
- User response:** Reregister the Agent with the Authentication Server.

**CKSE6171-8 SEVERITY MUST BE IN RANGE 0 TO 9 OR A TO D**

- Explanation:** An alternative severity has been nominated for a message entry in the automatic message processing panel which is not in the range specified.
- System action:** None.
- User response:** Enter a value in the range specified, leave the field blank, or cancel the function.

**CKSE6172-8 EXIT *name* MUST BE ENABLED BEFORE EXTERNAL RULES CAN BE REFRESHED**

- Explanation:** The named exit must be enabled for the external rule refresh to work.
- System action:** None.
- User response:** Enable exit and attempt refresh again.

**CKSE6173-4 EVENT PROCESSING DEFAULTS UPDATED**

- Explanation:** Amendments have been made in the event processing defaults panel and the changes have been saved successfully.
- System action:** The information is saved to the database.
- User response:** None.

**CKSE6176-4 USER EVENT *localnum* PROCESSED AT *agent-id* SUCCESSFULLY**

- Explanation:** The user event specified has been processed at the Agent specified with return code 0.
- System action:** The transmission will be flagged as confirmed. If no other transmissions are outstanding, the record will be deleted.
- User response:** None.

**CKSE6177-4 USER EVENT *localnum* PROCESSED AT *agent-id* WITH RETURN CODE *n***

- Explanation:** The user event specified has been processed at the agent specified with return code as shown.
- System action:** The transmission will be flagged as confirmed. If no other transmissions are outstanding, the record will be deleted.
- User response:** Determine the meaning of the return code on the remote system, and perform a manual correction if required.

**CKSE6202-8 AGENT ENTRY *agent-id* SAME AS GROUP NAME - DATA NOT ADDED**

- Explanation:** You have attempted to add an Agent to a Translation Group with the same name. The Agent is automatically included as part of the group and does not need to be added separately.
- System action:** The new entry is rejected.
- User response:** Correct entry and continue data input.

**CKSETEXT-T *message***

- Explanation:** A text message has been sent to the Authentication Server.
- System action:** None.
- User response:** Depends on *message*.

---

## NCI abend codes

The following is a list of abend codes which can occur when NCI detects an error condition.

Abend codes for this version of NCI are in the range 200 - 216, 500 - 501. The following table details possible abend codes and the action that should be taken if one occurs.

By default, NCI will produce a dump for all abends. For abend codes 205 to 216, the dump can be suppressed by using the DUMP-MAP startup option. This may be useful for self-evident error conditions where a dump will not significantly assist problem determination, such as abend 205.

### Local Support Office reporting

In the event of an abend, the following items of information should be made available to your local support office:

- MVS NCILOG listing or VM console listing at time of error
- dump produced by NCI
- NCILOG listing produced by NCI
- the JCL or PROFILE GCS used to run NCI
- the current user directory and the current TDT.

Any abend code not defined in the table should be reported directly to your support office.

Code	Description	Action
200	NCI could not locate a module called NCINIT during initialization processing. Check that the STEPLIB DD card in the STARTUP JCL, or the STEPLIB FILEDEF command in the PROFILE GCS, indicates the correct dataset or that the library is specified correctly in the LNKLSTXX member of SYS1.PARMLIB. If no error can be found the module must have been inadvertently deleted or an error occurred during product installation.	If an invalid library has been specified correct the error else reinstall the product using the installation tape supplied. If the problem persists contact your support office.
201	An error occurred during initialization processing because NCI could not locate both NCILOG DD statements. Probable missing DD statement/FILEDEF command or typing error.	Check that the NCI STARTUP deck contains a DD statement/FILEDEF command with a DDNAME of NCILOG1 or NCILOG2 and that it relates to a SYSOUT file/printer or a valid sequential dataset. After correcting the DD statement/FILEDEF command restart NCI. If the problem persists contact your support office.
202	An error was encountered while loading an NCI processing routine PRxxxx.	Check the installation procedure before restarting NCI. If the problem persists contact your support office.
203	NCI encountered an error during initialization from which it could not recover. An information message about the error has been written to the NCILOG DD/NCILOG FILEDEF file. A startup panel runtime error was also encountered.	Correct the error indicated and restart NCI. If the problem persists contact your support office.
204	During initialization NCI encountered an error trying to establish an ESTAE environment.	Check the installation procedure before restarting NCI. If the problem persists contact your support office.

<b>Code</b>	<b>Description</b>	<b>Action</b>
205	The ACB under which NCI is running has been deactivated. Probable operator error or VTAM failure.	Check the reason for the ACB closure, reactivate the node which defines the ACB and restart NCI.
206	The system operator issued a MODIFY command requesting that NCI terminate and produce a dump.	This action should only be done on advice from your support office. Pass the dump to them as soon as possible.
207	The CODE parameter specified on startup indicated that NCI is not licensed for your CPU or that XA-MODE = YES was used but not authorized.	Contact your support office for assistance.
208	An error was encountered when NCI issued the SETLOGON VTAM macro.	Check the installation procedure before restarting NCI. If the problem persists contact your support office.
209	NCI encountered an error condition from which it could not recover.	Check the installation procedure before restarting NCI. If the problem persists contact your support office.
210	An internal logic error has occurred resulting in the posting of an invalid ECB.	Any occurrence of this should be reported to your support office immediately.
211	An error occurred during the ATTACH of the NCI timer subtask. This may be caused by an error during installation or may indicate that the NCI region size is too small.	Check the installation procedure before restarting NCI. If the problem recurs increase the virtual storage size on the EXEC statement before restarting NCI. If the problem persists contact your support office.
212	An error occurred during the initialization of the NCTIMER routine. This is probably caused by an error during initialization.	Check the installation procedure before restarting NCI. If the problem recurs increase the virtual storage size on the EXEC statement before restarting NCI. If the problem persists contact your support office.
213	During initialization NCI encountered an error during the loading of its subroutines. This is probably caused by an error during installation or may indicate that the NCI region size is too small.	Check the installation procedure before restarting NCI. If the problem recurs increase the virtual storage size on the EXEC statement before restarting NCI. If the problem persists contact your support office.
214	A CALL routine abended during a DIALOG function.	Check the parameters given to DIALOG MANAGER, and correct errors. If the problem persists contact support office.
216	Corruption of the VTAM RPL USER FIELD has been found.	Any occurrence of this should be reported to your support office.
500	An error occurred during the ATTACH of the NCI log processing subtask. This may be caused by an error during installation or may indicate that the NCI region size is too small.	Check the installation procedure before restarting NCI. If the problem recurs increase the virtual storage size on the EXEC statement before restarting NCI. If the problem persists contact your support office.
501	An error occurred during the initialization of the NCI log processing subtask. This is probably caused by an error during initialization.	Check the installation procedure before restarting NCI. If the problem recurs increase the virtual storage size on the EXEC statement before restarting NCI. If the problem persists contact your support office.

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## EDIT information messages

If an invalid command is entered or an error condition occurs, NC-EDIT will overlay the column indicator (top right of the main edit panel) with an appropriate informational message.

This section lists all informational messages, describes why the message was issued and suggests corrective action.

Message	Help text
<b>Abend <i>nnn-rc</i></b>	An operating system abend occurred during the processing of an NC-EDIT request. The most frequent cause is lack of space during a SAVE operation.
<b>Allocation error</b>	NC-EDIT could not dynamically allocate the requested dataset. Ensure that the dataset name and volume serial (if specified) were typed correctly and that NC-EDIT is authorized to access the requested dataset before you reissue the request.
<b>Bottom of data</b>	While processing a FIND or CHANGE command, NC-EDIT reached the end of the edit dataset without encountering the specified string. This message does not necessarily indicate an error condition. It may show that the requested string does not exist in the data.  Press <F5> or <F6> as appropriate to reinvoke the FIND or CHANGE, searching from top of data.
<b>Command conflict</b>	Contradictory line commands have been entered in the line number area of the display, for instance a D2 command immediately followed by another line command.  Remove the offending command.
<b>Copy cancelled</b>	A request to merge the contents of another dataset or member with the data being edited has been cancelled by the user.
<b>Copy pending</b>	A COPY command has been entered without identifying the position in the dataset where the copied data is to be put. Enter an A (after) or a B (before) line command and press <Enter> to proceed with the copy request.
<b>Create pending</b>	A CREATE command has been entered without identifying the data lines to be used to build the new dataset or member. Enter a C (copy) or M (move) line command and press <Enter> to continue the create operation.
<b>Dataset copied</b>	A message confirming that the requested copy merge operation has been successfully completed.
<b>Dataset created</b>	A message confirming that the requested create operation has been successfully completed.
<b>Dataset in use</b>	The dataset specified for an EDIT, COPY or REPLACE operation is in use by another person. Reissue the request later.
<b>Dataset not PDS</b>	During a COPY, CREATE or REPLACE operation, a member name was entered but the specified dataset is not a partitioned dataset. Correct the dataset name or remove the member name to continue with the requested operation.
<b>Dataset not partitioned</b>	During an edit operation, a member name was entered but the specified dataset is not a partitioned dataset. Correct the dataset name or remove the member name to continue with the requested operation.
<b>Dataset replaced</b>	A message confirming that the requested replace operation has been successfully completed.
<b>Dataset saved</b>	A save operation was requested by either the SAVE command or <F3> or <F4>. The updated contents of the sequential dataset have been written to disk.
<b>Dataset too large to edit</b>	The sequential dataset you are trying to edit is too large to fit into the maximum amount of virtual storage you are allowed to use. Your edit request is refused. The amount of storage available to a user is defined in variable <i>&amp;usrelim</i> . For further details refer to the NCI Reference Manual.

## Message

## Help text

<b>Dataset truncated</b>	The sequential dataset you are attempting to edit is too large to fit into the maximum amount of virtual storage you are allowed to use. NC-EDIT has loaded as much data as will fit within the allowable virtual storage. If the dataset is subsequently saved, the data NC-EDIT could not load will be lost. The amount of storage available to a user is defined in variable <i>&amp;usrelim</i> . For further details refer to the NCI Reference Manual.
<b>Editor not licensed</b>	The CODE = parameter specified when NCI was started does not authorize the use of NC-EDIT, which is an optional extension to NCI.  Restart NCI having specified an appropriate CODE= parameter or contact your local marketing representative for assistance.
<b>Enter FIND string</b>	A FIND command has been entered without specifying the character string to be searched for.  Respecify the command.
<b>Enter library name</b>	An incomplete dataset name has been specified for an edit or copy merge operation. If no data is entered in the Dataset name field, NC-EDIT expects a fully qualified dataset name to be entered in the Project/Library/Type fields. Reissue the request having specified a complete dataset name.
<b>Enter member name</b>	The dataset specified for a COPY merge, CREATE or REPLACE operation is a partitioned dataset and no member name has been specified. Reissue the request having specified the name of the member to be processed.
<b>Enter type qualifier</b>	An incomplete dataset name has been specified for an edit or copy merge operation. If no data is entered in the Dataset name field, NC-EDIT expects a fully qualified dataset name to be entered in the Project/Library/Type fields. Reissue the request having specified a complete dataset name.
<b>Inv. dataset name</b>	During a COPY, CREATE or REPLACE operation, the dataset name specified is found to be invalid. Enter a valid dataset name to continue with the requested operation.
<b>Inv. dataset org</b>	During a COPY, CREATE or REPLACE operation, the organization of the dataset specified is not supported by NC-EDIT.
<b>Inv. member name</b>	During a COPY, CREATE or REPLACE operation, the member name entered is invalid. Enter a valid member name to continue with the requested operation.
<b>Inv. recfm</b>	During a COPY, CREATE or REPLACE operation, the record format of the dataset specified is not supported by NC-EDIT.
<b>Inv. vol ser</b>	During a COPY, CREATE or REPLACE operation, the volume serial entered was invalid. Respecify the data correctly to continue with the requested operation.
<b>Invalid amount</b>	An invalid scroll amount has been entered in the Scroll field or requested in the primary command area.
<b>Invalid command</b>	Data has been entered in the primary command input area which NC-EDIT does not recognize as a valid command.  Correct or remove the offending data.
<b>Invalid dataset name</b>	During an edit operation, the dataset name specified is invalid. Enter a valid dataset name to continue with the requested operation.
<b>Invalid dataset org</b>	During an edit operation, the organization of the dataset specified is not supported by NC-EDIT.
<b>Invalid dataset recfm</b>	The dataset you are attempting to edit is in a record format not supported by NC-EDIT.
<b>Invalid member name</b>	During an edit operation, the member name entered is invalid. Enter a valid member name to continue with the requested operation.
<b>Invalid operands</b>	A command has been entered in the primary command input area with operands which are not valid for the specified command.  Respecify the command correctly.
<b>Invalid select code</b>	An invalid character has been entered against a member name on the member select list. Members may be selected from the member select list by typing the character S against the required members(s). Remove any characters other than S and reissue the request.
<b>Invalid volume serial</b>	During an edit operation, the volume serial number entered was invalid. Respecify the data correctly to continue with the requested operation.
<b>Member copied</b>	A message confirming that the requested copy merge operation has been successfully completed.

Message	Help text
<b>Member created</b>	A message confirming that the requested create operation has been successfully completed.
<b>Member exists</b>	The member name specified on a CREATE request already exists. The create request is abandoned. If required, the existing member may be overwritten with the REPLACE command.
<b>Member in use</b>	The member specified for an edit, copy or replace operation is in use by another person. Reissue the request later.
<b>Member name too long</b>	The member name specified on a SELECT or CREATE command exceeds the operating system imposed limit of eight characters. Reissue the command having specified a valid member name.
<b>Member not found</b>	The member specified on a copy merge operation does not exist. Reissue the request having specified a valid member name.
<b>Member replaced</b>	A message confirming that the requested replace operation has been successfully completed.
<b>Member saved</b>	A save operation was requested either by the SAVE command or use of <F3> or <F4>. The updated contents of the partitioned dataset member have been written to disk.
<b>Member too large to edit</b>	The partitioned dataset member you are attempting to edit is too large to fit into the maximum amount of virtual storage you are allowed to use. Your edit request is refused. The amount of virtual available to a user is defined in variable <i>&amp;usrelim</i> . For further details refer to the NCI Reference Manual.
<b>Member truncated</b>	The member being edited is too large to be loaded in to the maximum amount of virtual storage you are allowed to use. NC-EDIT has loaded as much of the dataset as can be accommodated in your storage limit. Note that data will be truncated if it is saved. The maximum amount of virtual storage available to a user is controlled by NCI variable <i>&amp;usrelim</i> . For further details refer to the NCI Reference Manual.
<b>Mismatched brackets</b>	The data entered contains an inconsistent number of brackets. Respecify the command or data, having stipulated the correct number of brackets.
<b>Mismatched quotes</b>	The data entered contains an inconsistent number of quotation marks. Respecify the command or data having specified the correct number of quotation marks.
<b>No edit header</b>	This is a <b>CRITICAL ERROR</b> . NC-EDIT cannot continue. NC-EDIT stores data essential to its successful operation in an NCI local variable called <i>&amp;usredit</i> . This variable has been reset or overwritten. If you have customized the supplied panel definitions, check that you have not accidentally RESET or modified variable <i>&amp;usredit</i> , perhaps by using the RESET command with no operands. Otherwise contact your local support office.
<b>No 'from' string</b>	A CHANGE command has been entered with no operands. Respecify the command having included all required operands or refer to the NCI Reference Manual.
<b>No member name</b>	During a COPY, CREATE or REPLACE operation, the dataset name entered specifies a partitioned dataset but no member name. Enter the name of the required member to continue with the requested operation.
<b>No 'to' string</b>	A CHANGE command has been entered without specifying any replacement data. Respecify the command including all required operands or refer to the NCI Reference Manual for further information.
<b>Not enough space</b>	A command has been issued to cause the amount of virtual storage in use to expand beyond the maximum amount you are allowed to use. The requested operation is abandoned at the point where the storage limit was reached. Refer to the NCI Reference Manual, for details of specifying the maximum storage limit for a user.
<b>Not on this line</b>	A valid line command has been entered in the line number area of the screen. But the specified command is not allowed on the selected line, for instance a C (copy) command on the bottom of data line. Move the command to a permitted line or refer to the NCI Reference Manual for further information.
<b>Nothing saved</b>	A save operation was requested by either the SAVE command or <F3> or <F4>. NC-EDIT discovered that the dataset or member being edited had not been amended and the save operation was bypassed.
<b>No usredit link</b>	This is a <b>CRITICAL ERROR</b> . NC-EDIT cannot continue. NC-EDIT stores data essential to its successful operation in an NCI local variable called <i>&amp;usredit</i> . This variable has been reset or overwritten. If you have customized the supplied panel definitions, check that you have not accidentally RESET or modified variable <i>&amp;usredit</i> , perhaps by use of the RESET command with no operands. Otherwise contact your support office.

## Message

## Help text

<b>Open error</b>	An error occurred during an attempt to open the requested dataset. Ensure that the dataset name and volume serial (if specified) were typed correctly and that NC-EDIT is authorized to access the requested dataset before reissuing the request.
<b>Replace cancelled</b>	A request to replace another dataset or member with data selected from the dataset being edited has been cancelled by the user.
<b>Replace pending</b>	A command has been entered without identifying the data lines to be replaced. Enter a C (copy) or M (move) line command and press <Enter> to continue with the replace operation. Multiple lines may be selected by using multiple C or M commands, with or without a numeric suffix to select blocks of lines.
<b>Saved but no room for stats</b>	A request to SAVE, CREATE or REPLACE a member of a partitioned dataset has been successfully completed, but NC-EDIT had insufficient space to write directory statistics.
<b>Saved but without stats</b>	A request to SAVE, CREATE or REPLACE a member of a partitioned dataset has been successfully completed, but NC-EDIT had insufficient space to write directory statistics.
<b>String changed</b>	A CHANGE command has been processed and at least one occurrence of the specified string has been located and replaced with the specified data. If CHANGE ALL was stipulated, all lines changed have been marked with a == CHG > marker.
<b>String found</b>	In response to a FIND command, NC-EDIT has found a match for the search argument. The line of data which contains the string has been scrolled to the top of the display area.
<b>String not found</b>	In response to a FIND or CHANGE command, NC-EDIT has searched the data from top to bottom without encountering the search argument. The specified data does not exist within the dataset being processed.
<b>Too few operands</b>	A command has been entered in the primary command input area but a required operand has been omitted. Respecify the command having included the required operands or refer to the NCI Reference Manual for further information.
<b>Too many operands</b>	A command has been entered in the primary command input area containing more than the permissible number of operands. Remove any unwanted operands or use quotation marks to delimit the operands.
<b>Unable to alloc</b>	During a COPY, CREATE or REPLACE operation, NC-EDIT could not dynamically allocate the specified dataset. Check that the name and volume serial (if any) were correctly specified and that NC-EDIT is authorized to access the specified dataset.
<b>Unable to allocate dataset</b>	NC-EDIT could not dynamically allocate the requested dataset. Ensure that the dataset name and volume serial (if specified) were typed correctly and that NC-EDIT is authorized to access the requested dataset before reissuing the request.
<b>Unable to allocate member</b>	NC-EDIT could not dynamically allocate the requested partitioned dataset member. Ensure that the dataset and member names and the volume serial (if any) were typed correctly and that NC-EDIT is authorized to access the requested dataset before reissuing the request.
<b>Unable to open</b>	During a COPY, CREATE or REPLACE operation, an error occurred when an attempt was made to open the requested dataset or member. Check that NC-EDIT is authorized to access the specified dataset.
<b>Unable to open dataset</b>	An error occurred during an attempt to open the requested sequential dataset for editing. Check that NC-EDIT is authorized to access the specified dataset.
<b>Unable to open member</b>	An error occurred during an attempt to open the requested partitioned dataset member for editing. Check that NC-EDIT is authorized to access the specified dataset.
<b>Unknown command</b>	Data has been entered in the line number area of the screen that NC-EDIT does not recognize as a valid line command. NC-EDIT will position the cursor against the offending data. Correct or remove the data in error or refer to the NCI Reference Manual for further information.
<b>Unprintable characters</b>	<p>A COPY command has been issued to cause the contents of another dataset or member to be merged into the data being edited. However, the data being copied contains non-display (hex) data and you are not authorized to edit data containing such characters.</p> <p>The copy operation is abandoned at the point where the hex data was encountered. Refer to the NCI Reference Manual for details of editing data which contains non-display characters.</p>

## Message

## Help text

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<b>Unprintable characters in dataset</b>	You have tried to edit a sequential dataset which contains non-displayable (hex) data. If you are not authorized to edit such data, the edit request is refused.
--	--

If you are authorized to access such data, the records containing the non-displayable characters are protected from access.

---

<b>Unprintable characters in member</b>	You have tried to edit a partitioned dataset member which contains non-displayable (hex) data.
---	--

If you are not authorized to edit such data, the edit request is refused. If you are authorized to access such data, the records containing the non-displayable characters are protected from access.

---

## NetView Alert messages

NC-PASS messages are routed to NetView via APPC. The following information is sent to NetView as a Network Management Vector Transport (NMVT):

1. Date/time MS common subvector.  
(the local date and time)
2. Product set ID MS common subvector.  
(the software product's common name and program number)
3. Generic alert data MS subvector.
4. Probable causes alert MS subvector.
5. User causes alert MS subvector.
6. Text message subvector.

### Code points

For messages to be displayed on the NetView panels, NC-PASS sends specific code points to NetView which correspond to messages included in NetView's user code point tables. The text of these messages needs to be entered into your user tables.

Please refer to the NetView Customization Guide (SC31-5015) for instructions on how to create user-defined generic code points.

The code points which NC-PASS sends to NetView are as follows:

- E001 - Generic alert description
- E002 - Probable causes
- E003 - User causes
- E004 - Recommended actions

Your code point tables might, for instance, be customized as follows:

- in table 1 BNJ92UTB: E001 'SECURITY VIOLATION'
- in table 2 BNJ93UTB: E002 'USER LOGON ATTEMPT'
- in table 3 BNJ94UTB: E003 'INVALID PASSWORD OR TOKEN RESPONSE'
- in table 6 BNJ81UTS: E004 'VIEW NC-PASS MESSAGE LOG'

# Index

## A

- abend codes, NCI 6.203
- APAR OZ64038 1.10
- APPC
  - and encryption 5.63
  - APPC LINK STATUS panel 1.13
  - checking status of 1.12
  - displaying link status 1.13
  - enabling communications 1.12
  - overview 1.11
  - partner verification 5.64
  - password 1.12
  - specifying host nodename 1.12
  - symbolic name 1.12
  - TLI 2.15
    - auditing 2.33
- APPL (TLI keyword) 2.7
- auditing
  - APPC message request 2.30
  - APPC TLI 2.33
  - XMS TLI 2.11
- AUTH function, TLI 2.6

## B

- backup and recovery system 3.2
- BACKUP panel 3.5
- BACKUP-WAIT startup parameter 3.4

## C

- CAF
  - read/write exit (WEXIT27) 5.59
- CHALLENGE (TLI keyword) 2.7
- CHECK function, TLI 2.6
- Clients (TCP/IP), displaying 1.18
- communication with other systems
  - jobs running in the same operating system 1.7
  - PassGo Technologies products running on other systems 1.3
- computer misuse act facility 4.30
- CONNECT(R) verb 4.25
- conversation structure, TCP/IP 2.18
- Cross Memory Services
  - see XMS
- CROSS SYSTEM COMMUNICATIONS - HOST panel
  - APPC communications 1.11
  - MHO communications 1.3
  - XMS communications 1.7
- CROSS SYSTEM COMMUNICATIONS - MHO LINKS panel 1.5
- CSA
  - determining amount of space used by XMS 1.8
- customer encryption 5.63
- customization
  - administration panels 4.12
  - logos 4.2
- customizing
  - menus 4.14

## D

- decryption
  - see encryption
  - TLI request data 5.52
  - with non-PassGo Technologies TLI applications using TCP/IP 5.56
- DES
  - encryption description 5.65
  - introduction 5.63
  - key
    - defining 5.66
    - SEEXIT61 5.37
    - SEEXIT62 5.37
    - selecting using SEEXIT45 5.36
  - SEDES EXEC 5.65
- disabling the TCP/IP environment 1.16

## E

- edit messages 6.203
- enabling the TCP/IP environment 1.16
- encryption
  - customer 5.63
  - DES 5.63
  - internal 5.63
  - of TLI reply data 5.54
  - over APPC 2.19, 5.63
  - over MHO 1.5
  - over TCP/IP 5.63
  - types available 5.63
  - WEXIT27
    - CAF read/write exit 5.59
    - example 5.60
    - summary of operations 5.62
- error messages
  - see messages
- ESE0152 panel 4.8

- exits
    - after authentication 5.18
    - after connection failure 5.15
    - APPC
      - field level encryption /decryption 5.63
      - whole data encryption/decryption 5.63
    - APPC session establishment 5.34
    - APPC user 5.26
    - application CLSDST'd from a menu 5.7
    - before connection to application 5.11
    - before connection to exec routine 5.13
    - before display of initial menu 5.9
    - before logging off 5.17
    - CAF read/write exit 5.59
    - filtering of audit messages from SME 5.23
    - function restriction following lost session 5.22
    - MHO rule reception 5.33
    - MHO rule transmission (individual node) 5.32
    - MHO rule transmission (overall control) 5.31
    - NCI/XF environment 5.4
    - overview 5.2
    - RACF data extraction 5.38– 5.49
    - SEEXIT0 5.3
    - SEEXIT11 5.15
    - SEEXIT12 5.17
    - SEEXIT14 5.18
    - SEEXIT15 5.20
    - SEEXIT16 5.22
    - SEEXIT17 5.23
    - SEEXIT3 5.4
    - SEEXIT4 5.4
    - SEEXIT40 5.26
    - SEEXIT41 5.28
    - SEEXIT42 5.31
    - SEEXIT43 5.32
    - SEEXIT44 5.33
    - SEEXIT45 5.34
      - example, multiple remote partners 5.37
      - example, password verification 5.35
      - example, single remote partner 5.36
      - selecting DES key 5.36
      - using SEDES EXEC in 5.35
    - SEEXIT50 5.38
    - SEEXIT51 5.40
    - SEEXIT52 5.41
    - SEEXIT53 5.43
    - SEEXIT54 5.44
    - SEEXIT55 5.46
    - SEEXIT56 5.47
    - SEEXIT57 5.49, 5.50
    - SEEXIT6 5.7
    - SEEXIT60 5.51
    - SEEXIT61 5.52
      - example for APPC clients 5.53
      - using session DES keys 5.37
    - SEEXIT62 5.54
      - example for APPC clients 5.55
      - using session DES keys 5.37
    - SEEXIT63 5.56, 5.57
      - example 5.56
    - SEEXIT7 5.9
    - SEEXIT70 5.51, 5.58
    - SEEXIT8 5.11
    - SEEXIT9 5.13
    - startup processing 5.3
    - synchronization of password changes 5.20
    - TCP/IP
      - password encryption/decryption 5.63
      - whole data encryption/decryption 5.63
      - userid translation 5.28
      - WEXIT27 5.59
- F**
- FUNCTION (TLI keyword) 2.7
- I**
- internal encryption 5.63
- J**
- jobname, TCP/IP system 1.15
- L**
- link status
    - displaying 1.13
  - LIST MENU DEFINITIONS panel 4.17
  - logo panels
    - described 4.2
    - loading customized 4.6
    - selection 4.2
    - supplied 4.3
    - tailoring 4.5
  - logoff options 4.27
  - LOGON function, TLI 2.6
  - LU1 support 4.9
- M**
- menus
    - copying definitions 4.24
    - default structure 4.14
    - defining a new 4.24
    - defining application 4.25
    - displaying the menu id 4.28
    - preset PROCEDURE fields 4.21
    - restricting access to specific options 4.24
    - user written options 4.28
  - MESSAGE function, TLI 2.6
  - message prefix, changing 6.2
  - messages
    - APPC request 2.30
    - changes to format 4.29
    - edit information messages 6.205
    - IEF099I 3.4
    - including the NC-PASS literal 4.29
    - NCI abend codes 6.203
    - NC-PASS 6.3
  - MHO
    - checking system status of 1.4
    - defining links 1.5
    - described 1.3
    - enabling communications 1.4
    - enabling link to specific node 1.6
    - password 1.4
    - specifying host nodename 1.4
    - status display 1.4
    - symbolic name 1.4
  - MPFX parameter 6.2

MSG (TLI keyword) 2.7  
Multi Host Option  
    see *MHO*

## N

NC-ACCESS  
    defining MHO link to 1.5  
NCI  
    language statements supplied with NC-PASS 5.2  
    using to customize menus 4.28  
NEWPASS (TLI keyword) 2.7  
NEWPIN (TLI keyword) 2.7  
NODE (TLI keyword) 2.7  
NPASS (TLI keyword) 2.7  
NPASS function, TLI 2.6  
NPIN (TLI keyword) 2.7  
NPIN function, TLI 2.6

## O

OUTPUT (TLI keyword) 2.8

## P

panel  
    body section 4.13  
    customizing 4.12  
    footer 4.13  
    header 4.13  
partner verification 5.64  
PASSCODE (TLI keyword) 2.8  
PASSWORD (TLI keyword) 2.8  
PASSWORD user field 5.64  
passwords  
    random (TOPS) 4.8  
prefix for messages, changing 6.2  
PRN (TLI keyword) 2.8  
PROCEDURE fields 4.21  
process codes, APPC TLI 2.21

## R

recovery system  
    overview 3.2  
    using the backup recovery facility 3.4  
RECOVERY-ON startup parameter 3.4  
REQUEST function, TLI 2.6  
RESPONSE (TLI keyword) 2.8  
RETAREA (TLI keyword) 2.8  
RETDATA function, TLI 2.6  
RETID (TLI keyword) 2.8  
return code  
    TLI process code 05  
        authentication result 2.28  
        validation result 2.28  
ROUTINE (TLI keyword) 2.8  
RPC  
    status of 1.17  
    tracing 1.17

## S

SEDES EXEC 5.65  
    using in SEEXIT45 5.35  
SEEXITn see *exits* 5.3  
SEXMIT macro, backward compatibility 2.34  
SEXMIT, XMS TLI 2.5  
SEXMITNC, XMS TLI 2.4  
SEXMITOS, XMS TLI 2.4  
SEXMITTS, XMS TLI 2.4  
SEXMNCI, backward compatibility 2.34  
SEXMOS, backward compatibility 2.34  
SEXMTSO, backward compatibility 2.34  
SIGN (TLI keyword) 2.8  
SIGN function, TLI 2.6  
SLOT (TLI keyword) 2.8  
sockets  
    status of 1.17  
    tracing 1.16  
startup parameters  
    BACKUP-WAIT 3.4  
    RECOVERY-ON 3.4  
status  
    RPC environment 1.17  
    sockets environment 1.17

## T

TCP/IP  
    action tracing 2.33  
    and encryption 5.63  
    conversation structure 2.18  
    displaying Clients 1.18  
    environment, enabling/disabling 1.16  
    jobname 1.15  
    partner verification 5.64  
    Sockets 1.18  
    system jobname 1.15  
TCP/IP HOST FUNCTIONS panel 1.16  
TCP/IP SOCKETS panel 1.18  
TERMIN (TLI keyword) 2.8  
TIME (TLI keyword) 2.8  
TIME function, TLI 2.6  
TIMEOUT (TLI keyword) 2.8  
TLI  
    APPC 2.15  
    auditing  
        APPC 2.33  
        XMS 2.11  
    backward compatibility 2.34  
    high level interfaces, XMS 2.4  
    keywords 2.7  
    low level interface 2.5  
    P1 functions, backward compatibility 2.34  
    parmlist keywords 2.7  
    return area, XMS 2.4  
    return codes, XMS 2.4  
    XMS overview 2.2  
TLOG1/2 3.2  
TRACELEVEL (TLI keyword) 2.9  
tracing  
    RPC 1.17  
    sockets 1.16  
Transaction Level Interface  
    see *TLI*  
TSER (TLI keyword) 2.9  
TTYTYPE (TLI keyword) 2.9

TXID (TLI keyword) 2.9

## **U**

USERID (TLI keyword) 2.9

## **V**

VSSE function, TLI 2.6

## **W**

work elements 1.8

## **X**

### **XMS**

- described 1.7

- determining the amount of space in CSA 1.8

- enabling communications 1.8

- identifier 1.8

- warning 1.10

- work elements 1.8

XMSID(TLI keyword) 2.9

XMSOPT (TLI keyword) 2.9

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