Natural CICS Sample Programs

This part of the Natural CICS Interface documentation contains an overview of the Natural CICS sample programs.

It covers the following topics:

- Sample Programs in Natural CICS Source Library
- Sample Programs for Use with z/VSE

Sample Programs in Natural CICS Source Library

The following sample programs are supplied in the Natural CICS source library:

- Front-End Programs
- Back-End Programs
- User Exits
- Subprogram Calls
- Node Error Programs
- Other Programs

Front-End Programs

Name	Language	Function
XNCIFRNP	Assembler	Initalization program that initializes the Natural CICS environment at CICS start-up.
XNCIFRNL	Assembler	Front-end program for invoking Natural via EXEC CICS LINK.
XNCIFRNR	Assembler	Front-end program for invoking Natural via EXEC CICS RETURN IMMEDIATE.
XNCIFRNS	Assembler	Front-end program for invoking Natural via EXEC CICS START.
XNCIFRNX	Assembler	Front-end program for invoking Natural via EXEC CICS XCTL.
XNCIFRCL	COBOL	Front-end program for invoking Natural via EXEC CICS LINK.
XNCIFRCN	COBOL	This is a dummy front-end program for invoking Natural via EXEC CICS LINK for LE compliance.
XNCIFRCR	COBOL	Front-end program for invoking Natural via EXEC CICS RETURN IMMEDIATE.
XNCIFRCS	COBOL	Front-end program for invoking Natural via EXEC CICS START.
XNCIFRCX	COBOL	Front-end program for invoking Natural via EXEC CICS XCTL.
XNCIFRPL	PL/1	Front-end program for invoking Natural via EXEC CICS LINK.
XNCIFRPN	PL/1	This is a dummy front-end program for invoking Natural via EXEC CICS LINK for LE compliance.
XNCIFRPR	PL/1	Front-end program for invoking Natural via EXEC CICS RETURN IMMEDIATE.
XNCIFRPS	PL/1	Front-end program for invoking Natural via EXEC CICS START.
XNCIFRPX	PL/1	Front-end program for invoking Natural via EXEC CICS XCTL.
XNCIFRDN	C	This is the dummy front-end program for invoking Natural via EXEC CICS LOAD and BASR for LE compliance.

Back-End Programs

Name	Language	Function
XNCIBACK	Assembler	Termination Data Dump: This back-end program displays the Natural termination message and any termination data in dump format. If invoked from an asynchronous task, the Natural termination message will be issued on the operator console, and potential termination data will be dumped. NCIBACK can also be invoked by a back-end transaction (STR=*xxxx* or RET=*xxxx*), where *xxxx* is the transaction code associated with XNCIBACK.

User Exits

Name	Language	Function
XNCIDIRX	Assembler	System Directory Module Name Exit: This source module contains a sample system directory module name exit (see also *NCIDIREX - System Directory Module Name Exit Interface*).
XNCIRDC1	Assembler	Exit for SYSRDC: This program provides a sample exit for the SYSRDC utility; see the relevant section in the *Utilities* documentation.
XNCIUIDX	Assembler	User ID Exit: This program provides a sample user exit to test/set the user ID (see also *NCIUIDEX User ID Exit Interface*).
XNCITIDX	Assembler	Terminal ID Exit: This program provides a sample user exit to test the terminal ID and/or to set a logical terminal or session ID (see also *NCITIDEX - Terminal ID Exit Interface*).

Subprogram Calls

Name	Language	Function
XNCI3GC1	COBOL	This program provides a sample COBOL call to a Natural subprogram under CICS.
XNCI3GC2	COBOL	This program provides a sample COBOL call to a Natural subprogram under CICS.
XNCI3GP1	PL/1	This program provides a sample PL/1 call to a Natural subprogram under CICS.
XNCI3GP2	PL/1	This program provides a sample PL/1 call to a Natural subprogram under CICS.

Node Error Programs

Name	Language	Function
XNCINEP1	Assembler	This node error program calls NCIZNEP using the CICS macro level.
XNCINEP2	Assembler	This node error program calls NCIZNEP using the CICS command level.

Other Programs

Name	Language	Function
XNCIUCTR	Assembler	Upper/lower case switch: This program serves to switch the terminal into upper/lower case mode.
XNCIGNIT	Assembler	"Good Night" program: This sample program calls NCIZNEP for Natural session clean-up.

Sample Programs for Use with z/VSE

For z/VSE, the sample programs written in Assembler are supplied as A books. The sample programs written in COBOL are supplied as C books. The sample programs written in PL/1 are supplied as P books. The sample programs written in C are supplied as H books.