

# Natural for DL/I Interface Status Codes and Abend Codes

This section covers the following topics:

- Status Codes
- Abend Codes - under CICS only

## Status Codes

During processing, Natural for DL/I internally checks for DL/I status codes. Status code checking by the user program is seldom required; only certain error conditions might require status code checking within a program. For this purpose, all DL/I status codes have a corresponding Natural error message. It is possible to check for these errors using an `ON ERROR` statement as described in the Natural Statements documentation.

The error messages generated are in the range from NAT3850 to NAT3899.

## Abend Codes - under CICS only

This section contains the codes issued by Natural for DL/I in case of abnormal end of execution.

Each abend entry contains suggestions listed in the section *Problem Determination Guide* on what action is to be taken by the system programmer to solve the problem. In addition, each entry lists the name of the module involved.

The contents of the registers before the abend can be found in the field CAABREGS in the Natural for DL/I common area (DSECT NDCA), at hexadecimal offset +x154. To locate the Natural for DL/I common area, use the register 3 contents or look for the visual identifier "NDCA" in the Natural thread.

Below is information on:

NDL0	NDL7	NDLK	NDLR
NDL1	NDL8	NDLL	NDLS
NDL2	NDL9	NDLM	NDLT
NDL3	NDLF	NDLN	NDLU
NDL4	NDLG	NDLO	NDLV
NDL6	NDLI	NDLP	

**NDL0**

Internal error.

Expl.	Entry in THC not found.  R2 points to the entry of TSA where TSAFLG1 indicates that an entry in THC (with argument = TSACOMID) exists but was not found via CMTBREQ macro.
Action	Contact Software AG support.
Module	NDLRGNEX
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDL1**

Internal error.

Expl.	Invalid operation type.  The input operation code in NDMSIO control block was not found in the operation code table pointed to by R7.
Action	Contact Software AG support.
Module	NDLSIOBA
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDL2**

Internal error.

Expl.	Invalid operation type.  The input operation code in NDMSIO control block was not found in the operation code table pointed to by R7.
Action	Contact Software AG support.
Module	NDLSIOCX
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDL3**

Internal error.

Expl.	Unknown DL/I status code.  The DL/I status code of PCB pointed to by R6 does not match with any DL/I status codes in the table pointed to by RF.
Action	Contact Software AG support.
Module	NDLSIORC
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDL4**

Internal error.

Expl.	Unknown DL/I return code.  Either UIBFCTR or UIBDLTR contain unexpected values.
Action	Contact Software AG support.
Module	NDLSIOCX
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDL6**

Expl.	PCB not found.  PCB was not found in PCB map pointed to by R7.
Action	Contact Software AG support.
Module	NDLSPFRE
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDL7**

Internal error.

Expl.	Segment not found.  No segment found in segment table pointed to by RC with progressive identification number equal to segment identifier in PCB allocation map pointed to by R6.
Action	Contact Software AG support.
Module	NDLSPFRE
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDL8**

Internal error.

Expl.	Entry not found in PCB map.  No entry was found in PCB map with PCB relative number matching with the one in TSA (TSAPCBN).
Action	Contact Software AG support.
Module	NDLSPHOR
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDL9**

Internal error.

Expl.	PCB map entry not found.  PCB map entry encountered, with argument field value (PCBFRST in NCB) pointed to by R2, was not found in the table of PCB map pointed to by CAPCMAP.
Action	Contact Software AG support.
Module	NDLSPHOR
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLF**

Internal error.

Expl.	Failure acquiring save area.  Not enough area available for save area.
Action	Increase the SASIZE parameter in NDMCPARM.
Module	NDLCSAVE or NDLGWDLI or NDLTRABA or NDLTRACI.
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLG**

Internal error.

Expl.	Invalid back token request.
Action	Contact Software AG support.
Module	NDLSSBAN
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLI**

Internal error.

Expl.	Invalid level number. The input level number does not match any SSA. R5 points to SSA.
Action	Contact Software AG support.
Module	NDLSGU00
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLK**

Internal error.

Expl.	More than four entries for AIX fields have been specified to be put into the SSA list.
Action	Contact Software AG support.
Module	NDLSFSSA
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLL**

Internal error.

Expl.	No TSA entry has been found with the given COMID.
Action	Contact Software AG support.
Module	NDLSFSSA
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLM**

Internal error.

Expl.	No THC entry has been found.
Action	Contact Software AG support.
Module	NDLRRI00
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLN**

Internal error.

Expl.	No THC entry has been found.
Action	Contact Software AG support.
Module	NDLRDTSA
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLO**

Expl.	Unknown event encountered.
Action	Contact Software AG support.
Module	NDLGWDLI
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLP**

Internal error.

Expl.	PCB entry not found in PCB map.  No PCB entry in PCB map with PCB relative number PCMPCBRB equal to TSAPCBN was found. R5 points to PCB last used. R7 points to NCB entry in PCM. R6 points to TSA.
Action	Contact Software AG support.
Module	NDLSRLIN
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLR**

Internal error.

Expl.	NCB entry not found in PCB map.  NCB entry with argument PCBFRST pointed to by R2 was not found in the table of PCB map pointed to by CAPCMAP.
Action	Contact Software AG support.
Module	NDLSRLIN
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLS**

Internal error.

Expl.	NSB not found during roll-in.
Action	Contact Software AG support.
Module	NDLSRLIN
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLT**

Internal error.

Expl.	NDB not found during roll-in.
Action	Contact Software AG support.
Module	NDLSRLIN
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLU**

Internal error.

Expl.	UDF not found during roll-in.
Action	Contact Software AG support.
Module	NDLSRLIN
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.

**NDLV**

Internal error.

Expl.	Invalid segment name.
Action	Contact Software AG support.
Module	NDLSGU00
Problem Determination	Items 1 (trace parameter = (CMD,REQ,SER)), 9.