ETA - Error Transaction Program

This Natural profile parameter provides the name of the program which receives control if an error condition is detected during Natural program execution.

Possible settings	1 to 8 characters	Program name for error transaction.
	blank	With ETA=' ' (blank), no error transaction program is called.
Default setting	blank	
Dynamic specification	yes	
Specification within session	yes	
Application Programming Interface	USR1041N	With USR1041N you can install your own error transaction, where USR1041P serves as example how to build such a routine. See *SYSEXT - Natural Application Programming Interfaces* in the *Utilities* documentation.

The setting of this parameter can be modified by a user program with the system variable *ERROR-TA.

Anmerkung:
Error transaction programs must be in the library to which you are currently logged on or a current steplib library.

When an error occurs, Natural executes a STACK TOP DATA statement and places the following information at the top of the stack:

- Error number (N4 if session parameter SG=OFF; N5 if SG=ON)

- Line number (N4)

- Status (A1)

- Program name (A8)

- Level (N2)

This information can be used as INPUT data by an error transaction. The status can be one of the following settings:

Setting	Explanation
C	Command processing error (The line number will be 0.)
L	Logon processing error (The line number will be 0.)
R	Error on remote server (in conjunction with Natural RPC)
O	Object time error
S	Non-correctable syntax error

If **Natural Security** is installed, the following rules apply:

- If an error occurs during the *first* logon to Natural, the program specified with the ETA parameter applies. The error transaction must be in the library SYSLIB or in SYSTEM on the FNAT or FUSER system file at the time of the first logon.

- If an error occurs *after* the first logon, the program specified as error transaction in the security profile of the current library applies. If no error transaction is specified, the ETA parameter applies.

For additional information concerning the definition and use of error transaction programs, see *Transactions* in the *Natural Security* documentation.