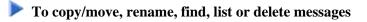# Managing Messages in Different Libraries

You can transfer messages between different libraries and rename, find, list or delete messages in different libraries. Depending on the Natural system environment(s) affected, you can either unload and load the messages to work files, or directly copy/move them from one library to another.

▶ To copy/move, rename, find, list or delete messages

- For libraries contained in the current Natural environment located on a mainframe platform, use the SYSMAIN utility as described in the relevant documentation.

  Or:
  For libraries contained in different Natural environments located on different mainframe, UNIX, OpenVMS or Windows platforms, use the Object Handler as described in the relevant documentation.

▶ To unload or load messages from or to a work file

- For libraries contained in a local mainframe environment, use the ERRULDUS and ERRLODUS programs described in the following sections.

  Or:
  For libraries contained in different Natural environments located on different mainframe, UNIX, OpenVMS or Windows platforms, use the Object Handler as described in the relevant documentation.

This section covers the following topics:

- Unloading Messages - ERRULDUS

- Loading Messages - ERRLODUS

Unloading Messages - ERRULDUS

The ERRULDUS program is used to unload all message types supported by Natural; that is, user-defined long and short messages created with the SYSERR utility and Natural system messages. The messages are read from the FNAT or FUSER system file and written into work file 2.

▶ To invoke ERRULDUS

- In the command line of the SYSERR main menu, enter ERRULDUS.

  An **ERRULDUS** menu similar to the example below is displayed:

```
16:11:13                ***** NATURAL SYSERR UTILITY *****                08-09-18
                   - ERRULDUS (Unload Texts to Work File 2) -

                    Code  Function
                    ----  --------------------------------
                    US    User supplied short error texts
                    UL    User supplied long  error texts
                    U     User supplied short AND long texts
                    NS    NATURAL short error texts
                    NL    NATURAL long  error texts
                    H     NATURAL help texts
                    .     Exit
                    ----  --------------------------------
    Code ............ __
    Source Library .. SYSERR__     Source Language Code .. 01
    Target Library .. SYSERR__     Target Language Code .. 01
    Error Number .... 1___ - 9999
    Replace ......... N
    Report .......... ON_

Please enter valid code.
Command ===>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Exec  Help       Exit                                                    Canc
```

The **ERRULDUS** menu contains the following input fields:

Field	Explanation
Code	The type of messages to be unloaded. Valid types are: US User-defined short messages UL User-defined long messages U User-defined short and long messages NS Natural system short messages NL Natural system long messages H Natural help texts . Terminate processing
Source Library	The name of the library from which messages are to be unloaded. The name can be truncated by using an asterisk (*). If you enter an asterisk (*) only, messages from all libraries are unloaded. **Source Library** is ignored for messages of type NS or NL.
Source Language Code	The language code of the messages to be unloaded.
Target Library	The name of the library to which messages are to be loaded. **Target Library** is ignored for messages of type NS or NL.
Target Language Code	The language code to which messages are to be loaded.
Error Number	Two numbers of up to four digits corresponding to the first and last numbers of the range of messages to be unloaded. If no first number is specified, it is assumed to be 1.
Replace	Enter Y to overwrite the target library. Default is N (No).
Report	If specified as ON, a list of all messages that were unloaded is displayed when unloading is complete. If specified as OFF, no such list is displayed.

ERRULDUS reads input until a period (.) is detected in the **Code** field. After unloading, a statistical listing is displayed.

Loading Messages - ERRLODUS

The ERRLODUS program is used to load messages previously unloaded with the ERRULDUS program.

The messages are read from work file 2 and are written to the FNAT or FUSER system file. ERRLODUS overwrites existing messages in the system file if **Replace** was specified as Y when unloading.

If you specify ERRLODUS as ON, a list of all messages that were loaded (added or replaced) is displayed when loading is complete.

Note:
Under Natural Security, the online use of ERRLODUS is only available for users of type Administrator, regardless of the setting of the **Utilities** option in the security profile of the library. See also Utilities in *Library Maintenance* in the *Natural Security* documentation.