Processing DL/I Subfiles

All SYSMAIN functions except the find and rename functions can be performed on DL/I subfiles if Natural for DL/I is installed.

DL/I subfiles include the following:

- NDBs = DL/I DBDs (Database Descriptions) defined to Natural.

- NSBs = DL/I PSBs (Program Specification Blocks) defined to Natural.

- UDFs = DL/I User-Defined Fields defined to Natural.

Fore more information on NDBs, NSBs, DBDs, PSBs and UDFs, see the *Natural for DL/I* documentation.

This section describes menu functions and selection list options provided to perform a SYSMAIN function on DL/I subfiles and the syntax that applies when using direct commands.

- Fields in the DL/I Subfiles Menu

- Selection Lists for DL/I Subfiles

- Direct Command Syntax for DL/I Subfiles

Fields in the DL/I Subfiles Menu

The **DL/I Subfiles** menu contains all SYSMAIN functions required for the processing of DL/I subfiles. The fields provided in the menu are described in the following table:

Field	Explanation
Code	Specifies the function to be performed as described in *Description of Functions*:
	`C` Copy subfile.
	`D` Delete subfile.
	`L` List subfile.
	`M` Move subfile.

Field	Explanation

Sel. List	Specifies whether selective processing or automated processing is used:
	
	 Y Yes.
	      Selective processing is activated. A selection list is displayed when processing DL/I subfiles. This is the default setting. For the columns, fields and line commands available on a selection list, see *Selection Lists for DL/I Subfiles*.
	
	 N No.
	      Selective processing is deactivated.

Name	The name of the DL/I subfile to be processed or a range of names: see also *Specifying a Range of Names*.
Type	The type of DL/I subfile to be processed. You must specify either of the following types: D Only NDBs and UDFs are processed. This is the default setting. P Only NSBs are processed.
Database	The database ID (DBID) of a source or a target database. The source database contains the FDIC system file where the DL/I subfile to be processed is stored. The target database contains the FDIC system file to which the DL/I subfile is to be copied or moved. Valid database IDs are 1 to 65535.
File	The file number (FNR) of a source or a target FDIC system file. Valid file numbers are 1 to 65535. The source file contains the DL/I subfile to be processed. The target file is the file to which the DL/I subfile is to be copied or moved.
Name (next to **File**)	Only applies to VSAM files. The DDNAME/FCT entry for the source or target file number.

Field	Explanation

Replace	Specifies whether a DL/I subfile is to be replaced when using the move or copy function:
	
	Y Yes.
	      A DL/I subfile with the same name which exists in the target environment is replaced.
	
	N No.
	      A DL/I subfile with the same name which exists in the target environment is not replaced. This is the default setting.
	
	See also *Using the Replace Option*.

Selection Lists for DL/I Subfiles

If selective processing has been activated, a selection list of all DL/I subfiles that meet the specified selection criteria is displayed on a **Selection** screen.

This section describes the columns and fields contained on a **Selection** screen and the line commands provided to further process a DL/I subfile:

- Columns and Fields

- Line Commands

Columns and Fields

The following columns and fields are displayed on a **Selection** screen:

Column/Field	Explanation
C	Input field for line commands (see below).
Subfile	The name of the DL/I subfile that meets the specified selection criteria.
Message	The message that indicates the processing status of a DL/I subfile. For possible messages, see *Status Messages*.
Listed Subfiles	The type of DL/I subfile: NDB (including UDFs) or NSB.

Line Commands

One of the following line commands can be entered in the **C** (Command) column of a **Selection** screen:

Line Command	Function
A	Process NSB subfile or NDB and UDF subfiles. Line command A is not available with the list function.
L	List NSB subfile or NDB and UDF subfiles.

Direct Command Syntax for DL/I Subfiles

This section shows the syntax that applies when performing a SYSMAIN function on a DL/I subfile by using direct commands in either online or batch mode. For general instructions on using direct commands, refer to *Executing Commands*.
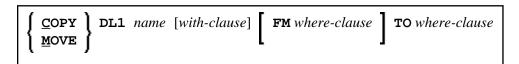
For explanations of the keywords and variable values used in the syntax diagrams below, refer to *Keywords and Variables in Direct Commands*. The symbols in the syntax diagrams correspond to the syntax symbols used for system commands. These symbols are explained in *System Command Syntax* in the *System Commands* documentation.

The syntax of the *where-clause* and the *with-clause* are identical for each command.

This section covers the following topics:

- COPY and MOVE

- DELETE and LIST

- where-clause

- with-clause

COPY and MOVE

$\left\{ \begin{array}{c} \underline{\text{COPY}} \\ \underline{\text{MOVE}} \end{array} \right\}$ **DL1** *name* [*with-clause*] $\left[\begin{array}{c} \textbf{FM} \textit{ where-clause} \end{array} \right]$ **TO** *where-clause*

Examples:

```
COPY DL1 SUBFILE1 TYPE D FM DBID 1 FNR 5 TO DBID 2 FNR 5
```

```
C DL1 SUBFILE REP FM FNR 6 TO FNR 7 TYPE D
```

```
COPY DL1 SUBFILE1 TYPE P TO DBID 3 FNR 7
```

```
MOVE DL1 SUBFILE1 TYPE D FM DBID 1 FNR 5 TO DBID 2 FNR 5
```

```
M DL1 SUBFILE1 REP FM FNR 6 TO FNR 7 TYPE D
```

DELETE and LIST

$$\left\{ \begin{array}{l} \underline{\text{DELETE}} \\ \underline{\text{L}}\text{IST} \end{array} \right\} \text{DL1 } \textit{name} \left[\text{ IN } \textit{where-clause} \right] \left[\textit{with-clause} \right]$$

Examples:

```
DELETE DL1 S* TYPE D
```

```
D DL1 TEST* IN DBID 177 FNR 205 TYPE D
```

```
LIST DL1 SUBFILE* IN DBID 1 FNR 5 TYPE D
```

```
L DL1 SF* TYPE P
```

where-clause

$$[\underline{\text{WHERE}}] \; [\underline{\text{DBID}} \; \textit{dbid}] \; [\underline{\text{FNR}} \; \textit{fnr}] \; [\underline{\text{NAME}} \; \textit{vsam-name}]$$
$$[\underline{\text{CIPHER}} \; \textit{cipher}] \left[\left\{ \begin{array}{l} \text{PASSWORD} \\ \text{PSW} \end{array} \right\} \textit{password} \right]$$

with-clause

$$[\underline{\text{WITH}}] \; [\underline{\text{TYPE}} \; \textit{type}] \; [\underline{\text{REPLACE}}] \; [\underline{\text{R}}\text{COP}] \left[\begin{array}{l} \text{PROMPT} \\ \underline{\text{NO}}\text{PROMPT} \end{array} \right] \left[\begin{array}{l} \text{MON} \\ \text{NOMON} \end{array} \right] [\underline{\text{HELP}}]$$