

# Object Handler - Object Specification

For the unload, load and scan functions, the Object Handler provides object-specification windows where you can **select any of the following types of object for processing???**:

- All Objects on the Work File  
(load and scan only)
- Natural Library Objects
- Natural System Error Messages
- Natural Command Processor Sources
- Natural DDMs
- Natural-related Objects
- External Files
- FDTs
- Use Selection or List

**For each type of object selected, you are provided object-specification windows. These windows are used to specify selection criteria for the objects to be processed. The field and options provided in these windows are explained in this section.???**

## **Note:**

\* The notation "see (\*)" in the tables below regarding name, date and time parameters refers to the section Name, Date and Time Specification.

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## All Objects

**Applies to the load and scan functions only.**

This function is used to select all objects available in the work file for processing. For a description of keywords and valid values, see Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

## Natural Library Objects

This function is used to select Natural library objects for processing. Natural library objects are programming objects, user-defined messages and shared resources.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The object-specification window provides the following fields:

| Field                          | Explanation   |
|--------------------------------|---|
| Library                        | The name of a library or a range: see (*) Name.<br>To choose a name from a selection list of available libraries, open the drop-down list box.  |
| DBID                           | Only applies to the unload function.<br>The database ID (DBID) of the system file where the Natural libraries are stored.   |
| FNR                            | Only applies to the unload function.<br>The file number (FNR) of the system file where the Natural libraries are stored.<br>If no values (or 0) are specified for DBID and FNR, the current FUSER or FNAT system file is used.  |
| Password                       | Only applies to the unload function if executed in remote environments located on mainframe platforms.<br>The Adabas password of the system file where the Natural libraries are stored.  |
| Cipher key                     | Only applies to the unload function if executed in remote environments located on mainframe platforms.<br>The Adabas cipher code of the system file where the Natural libraries are stored.   |
| Name                           | The name of a Natural programming object or shared resource or a range: see (*) Name.<br>The default is asterisk (*), which selects all objects available.<br>Only evaluated if the parameters Natural Programming Objects and/or Shared Resources are selected in the details window, which is the default. See also Natural Library Object Details. |
| User-defined messages: from/to | The range of user-defined error messages delimited by the first and the last message number.<br>Only evaluated if the parameter Error Messages is selected in the details window, which is the default. See also Natural Library Object Details.  |
| Details                        | Invokes an additional window where you can enter more detailed object specifications: see Natural Library Object Details.   |
| Settings                       | Invokes the Settings window where you can specify option and parameter settings: see the section Settings.  |
| Unload/Load/Scan file          | The name of the work file to be used for the function.<br>See also the section Work Files.  |
| Browse                         | Invokes the browse function to select a work file from a directory.   |

- Natural Library Object Details
- Natural Library Object Properties
- Natural Library Object Exceptions
- Natural Library Object Exception Properties

## Natural Library Object Details

This function is used to specify further selection criteria for processing Natural library objects.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The details window for Natural library objects provides the following fields and options:

| Field/Option                          | Explanation  |
|---------------------------------------|--|
| Library                               | The name of a library or a range: see (*) Name.<br><br>To choose a name from a selection list of available libraries, open the drop-down list box.   |
| DBID                                  | See DBID in Natural Library Objects above.   |
| FNR                                   | See FNR in Natural Library Objects above.  |
| Password                              | See Password in Natural Library Objects above.   |
| Cipher key                            | See "Cipher key" in Natural Library Objects above.   |
| Natural programming objects           | Natural programming objects.<br><br>Natural DDMs (data definition modules):<br>In remote environments located on mainframe platforms, DDMs are located in the FDIC system file. They are not considered Natural library objects. In other system environments, DDMs are considered Natural programming objects, which are stored in Natural libraries.<br><br>If the FDDM system file has been activated, see also "Use FDDM file for processing DDMs" in Options in the section Settings.         |
| User-defined messages                 | User-defined error messages.   |
| Shared resources                      | Any non-Natural file that is used in a Natural environment and is maintained in the Natural library system.<br><br>Note that shared resources are not defined in remote environments located in mainframe systems.   |
| Name                                  | See Name in Natural Library Objects above.   |
| S/C-Kind                              | The kind of Natural programming object:<br><br>Src            Source objects only.<br><br>Gp            Generated (cataloged) programs only.<br><br>Any            All saved and/or generated (cataloged) programs. This is the default.<br><br>Stowed        All stowed objects: source and cataloged objects with identical date and time.<br><br>Both           Both source and cataloged objects if both exist.<br><br><b>Note:</b><br>Stowed and Both are valid for the unload function only. |
| Natural Object Types                  | The types of Natural programming object.   |
| Select All                            | Selects all types of Natural programming object (this is the default).   |
| Deselect All                          | Deselect all types of Natural programming object.  |
| User-defined Messages:<br><br>from/to | A message range: see "User-defined Messages: from/to" in Natural Library Objects above.  |

| Field/Option                             | Explanation  |
|--|--|
| User-defined Messages:<br>S/L-Kind       | The kind of error message text:<br><br>Short      Short texts of error messages.<br>Long      Long texts.<br>Any      All short and/or long texts. This is the default.<br>Both      Short and long texts if both exist.<br>(unload only)  |
| User-defined Messages:<br>Language codes | The language code(s) of the error messages:<br>Up to 8 valid Natural language codes.<br>An asterisk (*) selects all Natural language codes.  |
| Properties                               | Invokes an extra window where you can specify additional properties of Natural programming objects: see Natural Library Object Properties below.<br><br>Once you have specified any properties, you can activate them by selecting the check box to the left of the Properties button, or deactivate them by removing the mark from the check box.       |
| Exceptions                               | Invokes an extra window where you can specify exceptions to the selection of Natural programming objects: see Natural Library Object Exceptions below.<br><br>Once you have specified any exceptions, you can activate them by selecting the check box to the left of the Exceptions button, or deactivate them by removing the mark from the check box. |

## Natural Library Object Properties

This function is used to specify additional properties for the Natural library objects selected for processing.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The properties window for Natural library objects provides the following fields:

| Field           | Explanation  |
|-----------------|--|
| User ID         | The ID of the user who saved the object last.<br>Specify a single user ID or a range: see (*) Name.  |
| Natural version | The Natural version of the Natural programming objects.<br>Valid version format: <i>VRSM</i> where <i>V</i> is the 1-digit version, <i>R</i> the 1-digit release, and <i>SM</i> the 2-digit system maintenance level.<br>You can also specify a range of versions: see (*) Name. |
| Mode            | The programming mode of the Natural programming objects:<br><br>Structured      Structured mode only.<br>Report          Reporting mode only.<br>Any              No mode check performed. This is the default.  |

| Field   | Explanation   |
|---|---|
| DDM DBID  | Not valid in remote environments located on mainframe platforms.<br><br>The database ID (DBID) of the data definition modules (DDMs).<br>Valid entries are: 1 to 65535 or 0 (all DBIDs)   |
| DDM FNR   | Not valid in remote environments located on mainframe platforms.<br><br>The file number (FNR) of the DDMs:<br>Valid entries are: 1 to 65535 or 0 (all FNRs).  |
| Date:<br><br>Select all objects                   | Performs no check for the object date.  |
| Date:<br><br>Select objects modified between/and  | Selects all objects with a save or catalog date and/or time within the range specified in these fields by entering a precise start date and/or time and/or an end date and/or time.<br><br>Special dates allowed are:<br>TODAY, YESTERDAY, MONTH, YEAR. See also: (*) Date.<br><br>The time must be specified in the format <i>HH:II:SS</i> ( <i>HH</i> = hours, <i>II</i> = minutes, <i>SS</i> = seconds). |
| Date:<br><br>Select objects modified on           | Selects all objects with a save or catalog date and/or time that fits the date/time specified in this field by entering a precise date and/or time.<br><br>Special dates allowed are:<br>TODAY and YESTERDAY. See also: (*) Date.<br><br>Valid time format: <i>HH:II:SS</i> ( <i>HH</i> = hours, <i>II</i> = minutes, <i>SS</i> = seconds).   |
| Size:<br><br>Select all objects                   | Performs no check for the object size.  |
| Size:<br><br>Select objects with size between/and | Selects all objects with a size within within the range specified in these fields by entering a start size and/or an end size.  |
| Size:<br><br>Select objects with size             | Selects all objects with a size that fits the size specified in this field.   |

## Natural Library Object Exceptions

This function is used to specify exceptions to the selection of Natural library objects.

All objects that match the selection criteria specified in Natural Library Objects, Natural Library Object Details and Natural Library Object Properties are checked against the specifications made in the exceptions window. Objects that match **all** specifications defined as exceptions, are exempted from processing.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The exceptions window for Natural library objects is basically identical to the details window. For an explanation of the fields and commands listed in the table below, see the relevant section. The Properties button is used to specify additional properties for Natural programming object exceptions: see Natural Library Object Exception Properties below.

| Section/Field  |
|--|
| Location:<br>Library   |
| Object Types:<br>Natural programming objects<br>Error messages<br>Shared resources |
| Natural Programming Objects and Shared Resources:<br>Name                          |
| Natural Programming Objects:<br>S/C-Kind<br>Natural Object Types                   |
| Natural System Error Messages:<br>from/to<br>Language codes<br>S/L-Kind            |
| Extras:<br>Properties  |

## Natural Library Object Exception Properties

This function is used to specify exceptions to additional properties for the Natural library objects selected.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The exception properties window for Natural library objects provides the following fields:

| <b>Field</b>                                      | <b>Explanation</b>  |
|---|---|
| User ID   | See User ID in Natural Library Object Properties.   |
| Natural version                                   | See "Natural version" in Natural Library Object Properties.   |
| Mode  | See Mode in Natural Library Object Properties.  |
| DDM DBID  | See DDM DBID in Natural Library Object Properties.  |
| DDM FNR   | See DDM FNR in Natural Library Object Properties.   |
| Date:<br>Ignore date                              | Performs no check for the object date.  |
| Date:<br>Exclude objects<br>modified between/and  | Exempts from processing all objects with a save or catalog date and/or time within the range specified in these fields by entering a precise start date and/or time and/or an end date and/or time.<br><br>Special dates allowed are:<br>TODAY, YESTERDAY, MONTH, YEAR. See also: (*) Date.<br><br>The time must be specified in the format <i>HH:II:SS</i> ( <i>HH</i> = hours, <i>II</i> = minutes, <i>SS</i> = seconds). |
| Date:<br>Exclude objects<br>modified on           | Exempts from processing all objects with a save or catalog date and/or time that fits the date/time specified in this field by entering a precise date and/or time.<br><br>Special dates allowed are:<br>TODAY and YESTERDAY. See also: (*) Date.<br><br>Valid time format: <i>HH:II:SS</i> ( <i>HH</i> = hours, <i>II</i> = minutes, <i>SS</i> = seconds).   |
| Size:<br>Ignore size                              | Performs no check for the object size.  |
| Size:<br>Exclude objects with size<br>between and | Exempts from processing all objects with a size within the range specified in these fields by entering a start size and/or an end size.   |
| Size:<br>Exclude objects with size                | Exempts from processing all objects with a size that fits the size specified in this field.   |

## Natural System Error Messages

This function is used to select Natural system error messages for processing.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The specification window for Natural system error messages provides the following fields and options:

| Field/Option          | Explanation   |
|-----------------------|---|
| Number from/to        | The range of Natural system error messages delimited by the first and the last message number.  |
| DBID                  | Only applies to the unload function if executed in remote environments located on mainframe platforms.<br><br>The database ID (DBID) of the system file where the Natural system error messages <b>are stored</b> .   |
| FNR                   | Only applies to the unload function if executed in remote environments located on mainframe platforms.<br><br>The file number (FNR) of the system file where the Natural system error messages <b>are stored</b> .<br>If no values for DBID and FNR (or 0) are specified, the current FNAT system file is used. |
| Password              | Only applies to the unload function if executed in remote environments located on mainframe platforms.<br><br>The Adabas password of the system file where the Natural system error messages <b>are stored</b> .  |
| Cipher key            | Only applies to the unload function if executed in remote environments located on mainframe platforms.<br><br>The Adabas cipher code of the system file where the Natural system error messages <b>are stored</b> .   |
| Details               | Invokes the details window where you can enter more detailed object specifications: see Natural System Error Message Details below.   |
| Settings              | Invokes the Settings window where you can specify option and parameter settings. See the section Settings.  |
| Unload/Load/Scan file | The name of the work file to be used for the function.<br><br>See also the section Work Files.  |
| Browse                | Invokes the browse function to select a work file from a directory.   |

The section below covers the following topics:

- Natural System Error Message Details
- Natural System Error Message Exceptions

## Natural System Error Message Details

This function is used to specify further selection criteria for processing Natural system error messages.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The details window for Natural system error messages provides the following fields and options:

| Field/Option   | Explanation  |
|----------------|--|
| Number from/to | See "Number from/to" in Natural System Error Messages above.   |
| DBID           | See DBID in Natural System Error Messages above.   |
| FNR            | See FNR in Natural System Error Messages above.  |
| Password       | See Password in Natural System Error Messages above.   |
| Cipher key     | See "Cipher key" in Natural System Error Messages above.   |
| S/L-Kind       | See S/L-Kind in Natural Library Object Details.  |
| Language codes | See "Language codes" in Natural Library Object Details.  |
| Exceptions     | Invokes an extra screen where you can specify exceptions to the selection of Natural system error messages: see Natural System Error Message Exceptions.<br><br>Once you have specified any exceptions, you can activate them by selecting the check box to the left of the Exceptions button, or deactivate them by removing the mark from the check box. |

## Natural System Error Message Exceptions

This function is used to specify exceptions to the selection of Natural system error messages.

All Natural system error messages that match the selection criteria specified in Natural System Error Messages and Natural System Error Message Details are checked against the specifications made in the exceptions window. Error messages that match **all** specifications defined as exceptions, are exempted from processing.

For an explanation of the fields, see Natural System Error Message Details above.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

## Natural Command Processor Sources

This function is used to select Natural command processor sources (which are stored in Adabas files) for processing.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The specification window for Natural command processor sources provides the following fields and options:

| Field/Option | Explanation  |
|--------------|--|
| Library      | ???.The name of the library where Natural command processor sources are stored. You can also specify a range of libraries: also (*) Name)???   |
| DBID         | Only applies to the unload function.<br>The database ID (DBID) where the Natural command processor sources are stored.<br>For details, see the Natural SYSNCP Utility documentation.   |
| FNR          | Only applies to the unload function.<br>The file number (FNR) of the Adabas file where the Natural command processor sources are stored.<br>If no values are specified, the current setting of LFILE 190 is used. For details, see the Natural SYSNCP Utility documentation.   |
| Password     | Only applies to the unload function.<br>The Adabas password of the Adabas file where the Natural command processor sources are stored.   |
| Cipher key   | Only applies to the unload function.<br>The Adabas cipher code of the Adabas file where the Natural command processor sources are stored.  |
| Name         | The name of a Natural command processor source or a range: see (*) Name.   |
| Exceptions   | Invokes the exceptions window where you can specify exceptions to the selection of Natural command processor sources: see Natural Command Processor Source Exceptions below.<br>Once you have specified any exceptions, you can activate them by selecting the check box to the left of the Exceptions button, or deactivate them by removing the mark from the check box. |

The section below covers the following topic:

- Natural Command Processor Source Exceptions

## Natural Command Processor Source Exceptions

This function is used to specify exceptions to the selection of Natural command processor sources.

All objects that match the selection criteria specified in Natural Command Processor Sources and Natural Command Processor Source Details are checked against the specifications made in the exceptions window. Command Processor Sources that match **all** specifications defined as exceptions, are exempted from processing.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The exceptions window for Natural Command Processor Sources provides the following fields.

| Field   | Explanation   |
|---------|---|
| Library | The name of a Natural command processor library or a range: see (*) Name. |
| Name    | The name of a Natural command processor source or a range: see (*) Name.  |

## Natural DDMs

**Only applicable to remote environments located on mainframe platforms.**

This function is used to select Natural data definition modules (DDMs) for processing.

On mainframe platforms, DDMs are stored in the FDIC system file. The DDMs to be processed by the Object Handler are located in the default FDIC file. If you want to specify a different FDIC file, use the Option-Setting clause as described in the section Direct and PROCEDURE Workplan Syntax, Commands.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The selection window for DDMs provides the following fields:

| Field        | Explanation  |
|--------------|--|
| DDM name     | The name of a DDM or a range: see (*) Name.  |
| Details      | Invokes an additional window where you can enter further object specifications: see Natural DDM Details.                         |
| Display FDIC | This field is available in Advanced-user mode only.<br>Displays the current FDIC setting.  |
| Set FDIC     | This field is available with the load or unload wizard only.<br>Provides a window where you can modify the current FDIC setting. |

The section below covers the following topics:

- Natural DDM Details
- Natural DDM Exceptions

### Natural DDM Details

This function is used to specify further selection criteria for processing Natural DDMs.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The details window for Natural DDMs provides the following fields and options:

| Field/Option                                  | Explanation   |
|---|---|
| Name  | The name of the DDM or a range: see (*) Name.   |
| DDM DBID                                      | See DDM DBID in Natural Library Object Properties.  |
| DDM FNR                                       | See DDM FNR in Natural Library Object Properties.   |
| Date:<br>Select all objects                   | Performs no check for the object date.  |
| Date:<br>Select objects modified between/and  | See Object Date in Natural Library Object Properties.   |
| Date:<br>Select objects modified on           | See Object Date in Natural Library Object Properties.   |
| Size:<br>Select all objects                   | Performs no check for the object size.  |
| Size:<br>Select objects with size between/and | Selects all objects with a size within the range specified in these fields by entering a start size and/or an end size.   |
| Size:<br>Select objects with size             | Selects all objects with a size that fits the size specified in this field.   |
| Exceptions                                    | <p>Invokes an extra screen where you can specify exceptions to the selection of Natural DDMs: see Natural DDM Exceptions.</p> <p>Once you have specified any exceptions, you can activate them by selecting the check box to the left of the Exceptions button, or deactivate them by removing the mark from the check box.</p> |

## Natural DDM Exceptions

This function is used to specify exceptions to the selection of Natural DDMs.

All objects that match the selection criteria specified in Natural DDMs and Natural DDM Details are checked against the specifications made in the exceptions window. DDMs that match **all** specifications defined as exceptions, are exempted from processing.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The exceptions window for Natural DDMs provides the following fields:

| Field  | Explanation   |
|--|---|
| DDM name                                       | The name of a DDM or a range: see (*) Name.   |
| User ID  | See User ID in Natural Library Object Properties.   |
| DDM DBID                                       | See DDM DBID in Natural Library Object Properties.  |
| DDM FNR  | See DDM FNR in Natural Library Object Properties.   |
| Date:<br>Ignore date                           | Performs no check for the object date.  |
| Date:<br>Exclude objects modified between/and  | See Object Date in Natural Library Object Exception Properties.   |
| Date:<br>Exclude objects modified on           | See Object Date in Natural Library Object Exception Properties.   |
| Size:<br>Ignore size                           | Performs no check for the object size.  |
| Size:<br>Exclude objects with size between/and | Exempts from processing all objects with a size within the range specified in these fields by entering a start size and/or an end size. |
| Size:<br>Exclude objects with size             | Exempts from processing all objects with a size that fits the size specified in this field.   |

## Natural-related Objects

**Not applicable to remote environments located on mainframe platforms.**

This function is used to specify selection criteria for processing Natural-related objects. **Natural-related objects are profiles, debug environments and DL/I subfiles.** Natural-related objects are objects that exist in a Natural environment but are not located in Natural libraries and Adabas files, **such as the Natural parameter module NATPARM, which is located in Natural path PARM\_PATH.???**

Process Natural-related objects in internal format, that is, do **not** select the "Transfer format" check box. See also Work File Format in the section Work Files.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

**The fields and options provided in the object-specification window for Natural-related objects are explained in the section below. Note that not all of the fields and options may appear in this window, because they depend on the type of object selected, the function used and whether the Advanced-user mode was activated or not. In Advanced-user mode, fields and options can be provided in an additional object-specification window.**

| Field/Options                   | Explanation  |
|---------------------------------|--|
| Object type                     | The type of object to be processed:<br><br>Profiles (???)<br><br>Debug environments (???)<br><br>DL/I subfiles (???)   |
| DBID/FNR<br>Password/Cipher key | Only applies to the unload function.<br><br>The database ID (DBID), file number (FNR), password and cipher code of the Adabas file where the objects are stored.<br><br>If no values (or 0) are specified, the current FNAT system file is used.   |
| Object name                     | The name of the object.<br><br>Load and scan:<br>A single name or a range: see (*) Name.   |
| Natural path???                 | Enter the name of the path where the object is located or select a path from the drop-down list box.<br><br>Valid path names are:<br>NATDIR, NATVERS, NATBIN, NATERR, NATSAG, PARM_PATH, PROFILE_PATH, TEXT_PATH, TMP_PATH.<br><br>Load and scan:<br>Enter the name of a path or asterisk (*) to select all paths. |
| Browse                          | Invokes the browse function to select an object from a directory.  |
| Details                         | Invokes the details window where you can enter further object specifications: see Natural-related Object Details.  |
| Settings                        | Wo bei wizards???<br><br>Invokes the Settings window where you can specify option and parameter settings. See the section Settings.  |
| Unload/Load/Scan file           | Wo bei wizards???<br><br>The name of the work file to be used for the function.<br><br>See also the section Work Files.  |
| Browse                          | Wo bei wizards???<br><br>Invokes the browse function to select a work file from a directory.   |

The section below covers the following topics:

- Natural-related Object Details
- Natural-related Object Exceptions

## Natural-related Object Details

This function is used to specify further selection criteria for processing Natural-related objects.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The details window for Natural-related objects provides the following fields and options:

| Field/Option                              | Explanation  |
|---|--|
| Natural path???                           | See "Natural path" in Natural-related Objects above.   |
| Object type                               | See "Object type" in Natural-related Objects above.  |
| DBID/FNR<br>Password/Cipher key           | See DBID/FNR in Natural-related Objects above.   |
| Object name                               | See "Object name" in Natural-related Objects above.  |
| Subtype                                   | <p>Only applies to profiles and DL/I subfiles.</p> <p>Select the type(s) of profile or the type(s) of DL/I subfile to be processed:</p> <p>Device profiles (???)<br/>                     Editor profiles (???)<br/>                     Map profiles (???)<br/>                     Parameter profiles (???)</p> <p>NSB subfile<br/>                     IDB and UDF (NDB???) subfile</p> |
| Library                                   | <p>Only applies to debug environments.</p> <p>The name of a library or a range: see (*) Name.<br/>                     To choose a name from a selection list of available libraries, open the drop-down list box.</p>   |
| Select weg?????                           | Invokes the browse function to select an object from a directory.  |
| Date:weg???                               | Performs no check for the object date.   |
| Select all objects                        |  |
| Date:weg???                               | See Object Date in Natural Library Object Properties.  |
| Select objects<br>modified<br>between/and |  |
| Date:weg???                               | See Object Date in Natural Library Object Properties.  |
| Select objects<br>modified on             |  |
| Size:weg???                               | Performs no check for the object size.   |
| Select all<br>objects                     |  |

| Field/Option  | Explanation   |
|---|---|
| Size:weg???<br>Select objects with size between/and | Selects all objects with a size within the range specified in these fields by entering a start size and/or an end size.   |
| Size:weg???<br>Select objects with size             | Selects all objects with a size that fits the size value specified in this field.   |
| Exceptions  | <p>Invokes an extra screen where you can specify exceptions to the selection of Natural-related objects: see Natural-related Object Exceptions.</p> <p>Once you have specified any exceptions, you can activate them by selecting the check box to the left of the Exceptions button, or deactivate them by removing the mark from the check box.</p> |

## Natural-related Object Exceptions

This function is used to specify exceptions to the selection of Natural-related objects.

All Natural-related objects that match the selection criteria specified in Natural-related Objects and Natural-related Object Details are checked against the specifications made in the exceptions window for Natural-related objects. Objects that match **all** specifications defined as exceptions, are exempted from processing.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The exceptions window for Natural-related objects provides the following fields and options:

| Field/Option   | Explanation   |
|--|---|
| Natural path???  | See "Natural path" in Natural-related Objects above.  |
| Object type  | See "Object type" in Natural-related Objects above.   |
| DBID/FNR<br>Password/Cipher key                                    | See DBID/FNR in Natural-related Objects above.  |
| Object name  | See "Object name" in Natural-related Objects above.   |
| Subtype  | See Subtype in Natural-related Object Details above.  |
| Library  | See Library in Natural-related Object Details above.  |
| Select <b>weg???</b>   | Invokes the browse function to select an object from a directory.   |
| Date: <b>weg???</b><br>Ignore date                                 | Performs no check for the object date.  |
| Date: <b>weg???</b><br>Exclude objects<br>modified<br>between/and  | See Object Date in Natural Library Object Exception Properties above.   |
| Date: <b>weg???</b><br>Exclude objects<br>modified on              | See Object Date in Natural Library Object Exception Properties above.   |
| Size: <b>weg???</b><br>Ignore size                                 | Performs no check for the object size.  |
| Size: <b>weg???</b><br>Exclude objects<br>with size<br>between/and | Exempts from processing all objects with a size within the range specified in these fields by entering a start size and/or an end size. |
| Size: <b>weg???</b><br>Exclude objects<br>with size                | Exempts from processing all objects with a size that fits the size specified in this field.   |

## External Files

**Not applicable to remote environments located on mainframe platforms.**

This function is used to select external files. External files are files that are located outside Natural and Adabas environments, such as bitmaps.

Process external files in internal format, that is, do **not** select the "Transfer format" check box. See also Work File Format in the section Work Files.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The specification window for external files provides the following fields and options:

| Field/Option  | Explanation  |
|---------------|--|
| External path | Enter the name of the path where the external file is located or select a path from the drop-down list box.<br><br>Load and scan:<br>Enter the name of a path or asterisk (*) to select all paths. |
| Object name   | The name of an external file.<br><br>Load and scan:<br>A single name or a range: see (*) Name.   |
| Select        | Invokes the browse function to select an object from a directory.  |
| Details       | Invokes the details window where you can enter further object specifications: see External File Details.   |
| Settings      | Invokes the Settings window where you can specify option and parameter settings. See the section Settings.   |
|               | The name of the work file to be used for the function.<br><br>See also the section Work Files.   |
| Browse        | Invokes the browse function to select a work file from a directory.  |

The section below covers the following topics:

- External File Details
- External File Exceptions

## External File Details

This function is used to specify further selection criteria for processing external files.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The details window for external files provides the following fields and options:

| Field/Option                                  | Explanation   |
|---|---|
| External path                                 | See External Path in External Files above.  |
| Object name                                   | See Object Name in External Files above.  |
| Select  | Invokes the browse function to select an object from a directory.   |
| Date:<br>Select all objects                   | Performs no check for the object date.  |
| Date:<br>Select objects modified between/and  | See Object Date in Natural Library Object Properties.   |
| Date:<br>Select objects modified on           | See Object Date in Natural Library Object Properties.   |
| Size:<br>Select all objects                   | Performs no check for the object size.  |
| Size:<br>Select objects with size between/and | Selects all objects with a size within the range specified in these fields by entering a start size and/or an end size.   |
| Size:<br>Select objects with size             | Selects all objects with a size that fits the size specified in this field.   |
| Exceptions                                    | <p>Invokes an extra screen where you can specify exceptions to the selection of external files: see External File Exceptions.</p> <p>Once you have specified any exceptions, you can activate them by selecting the check box to the left of the Exceptions button, or deactivate them by removing the mark from the check box.</p> |

## External File Exceptions

This function is used to specify exceptions to the selection of external files.

All external files that match the selection criteria specified in External Files and External File Details are checked against the specifications made in the exceptions window. Objects that match **all** specifications defined as exceptions, are exempted from processing.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The exceptions window for external files provides the following fields and options:

| Field/Option                                   | Explanation   |
|--|---|
| External path                                  | See "External path" in External Files above.  |
| Object name                                    | See "Object name" in External Files above.  |
| Select   | Invokes the browse function to select an object from a directory.   |
| Date:<br>Ignore date                           | Performs no check for the object date.  |
| Date:<br>Exclude objects modified between/ and | See Object Date in Natural Library Object Exception Properties.   |
| Date:<br>Exclude objects modified on           | See Object Date in Natural Library Object Exception Properties.   |
| Size:<br>Ignore size                           | Performs no check for the object size.  |
| Size:<br>Exclude objects with size between/and | Exempts from processing all objects with a size within the range specified in these fields by entering a start size and/or an end size. |
| Size:<br>Exclude objects with size             | Exempts from processing all objects with a size that fits the size value specified in this field.                                       |

## FDTs

This function is used to select Adabas FDTs (Field Definition Tables) for processing.

For a description of keywords and valid values, see also Select-Clause in Direct and PROCEDURE Workplan Syntax in the section Commands.

The selection window for FDTs provides the following fields:

| Field                                   | Explanation   |
|---|---|
| DBID                                    | The database ID (DBID) where the FDT is located.<br><br>Load and scan:<br>A DBID or <b>0</b> for all DBIDs.   |
| FNR                                     | The file number (FNR) where the FDT is located.<br><br>Load and scan:<br>A FNR or <b>0</b> for all FDTs.  |
| Password                                | The Adabas password of the Adabas file where the FDT is located.  |
| Cipher key                              | The Adabas cipher code of the Adabas file where the FDT is located.   |
| Settings                                | Invokes the Settings window where you can specify option and parameter settings. See the section Settings.  |
| (Server)<br>Unload/Load/Scan<br>file??? | When loading FDTs, all FDT data is written into Work File 5. You can use the contents of this work file as input for the Adabas utility ADAFDU. To change the current Work File 5 setting and select another work file, choose the Browse button. |
| Browse                                  | Invokes the browse function to select a work file from a directory.   |

## Use Selection or List

This function is used to specify a Workplan of the type SELECTION or LIST. These Workplans specify selection criteria for the objects to be processed. See also the section Workplans.

The object-specification window provides the field Name where you can enter the name of the Workplan to be processed. To choose a name from a selection list of available Workplans, open the drop-down list box.