

Editing the CA-LIBRARIAN Definition Member

The definitions for the Natural ISPF - CA-LIBRARIAN interface must be contained in the LIBDEF member in the User Profile Library.

You can change some of these definitions. However, before you modify the LIBDEF member, copy the example member from the System Profile Library to the User Profile Library. Then:

1. Enable access to CA-LIBRARIAN in the CONFIG member (see the subsection Editing the Configuration Member CONFIG).
2. Restart Natural ISPF.
3. The Administrator Menu now includes the LIBDEF option. Select this option to give you direct write access to the LIBDEF member.

Defining Mandatory Parameters for New or Existing LIBRARIAN Members

You can define which parameter fields on the LIBRARIAN Entry Panel are mandatory when users wish to edit a CA-LIBRARIAN member (for example, the parameters PROGRAMMER and LANGUAGE for new members). Users must then enter a valid value in these input fields on the LIBRARIAN Entry Panel or specify the corresponding object parameters when using the EDIT function command syntax for a new member.

Additionally, you can specify other mandatory parameters that do not appear on the LIBRARIAN Entry Panel, but the user is prompted by a window when requesting an edit session:

- If you specify the DESCRIPTION parameter, the user, when requesting to edit a new member, is prompted by a window in which he can describe the new member. This description appears on a list of members in the appropriate column.
- If you specify the HISTORY parameter, the user, when requesting an edit session with an existing member, is prompted by a window in which he must enter the reason for changing the member.

The following text entered in the LIBDEF member starting in Column 1 defines the corresponding parameters as mandatory:

Option	Explanation
/PGMR	PROGRAMMER field on Entry Panel.
/LANG	LANGUAGE field on Entry Panel.
/DESC	DESCRIPTION prompt.
/HIST	HISTORY prompt (reason for change).

Handling of the PROGRAMMER Attribute during Member Update

You can control the way in which a member's PGMR attribute is handled during update (that is, when saving the contents of an EDIT session) by specifying one of the following entries, instead of the entry /PGMR mentioned in the subsection above.

Note:

Each of these entries must start in Column 1.

Option	Explanation
/PGMR=STD	This is identical to a plain /PGMR entry, that is, the PGMR attribute is left unchanged during update (and must be specified when adding a new member).
/PGMR=OPTUPDATE	Specifies similar handling for ADD (prompt, if field is empty). However, if for an update, the PGMR field is either explicitly specified by the user or supplied by an active user exit, ISPL---U, it will be passed to LIBRARIAN for updating.
/PGMR=NATUSERID	Specifies that *USER will be used as PGMR attribute both for adding new members and updating existing ones. No prompting will take place.
/PGMR=NSCUNAME1	This is like NATUSERID, but PGMR will be based on the Natural Security definition (first 'word' of *USER-NAME).
/PGMR=NSCUNAME2	This is like NSCUNAME1, but the PGMR attribute will be formed from the first character + last 'word' of *USER-NAME separated by a full stop (period) '.'.

Expansion of -INC Statements

If you wish to have -INC statements expanded by default when browsing CA-LIBRARIAN members, add the following entry to the LIBDEF member:

/EXPAND

CA-LIBRARIAN Language Definition

Apart from your own site-specific definitions described above, the LIBDEF member contains language and sequence number definitions which you must not modify.

Below is an example of a LIBDEF member.

Example of LIBDEF member

```

EDIT-NAT:SYSISPFU(LIBDEF)-Program->Struct-Free-44K -- >>> Versioning is invoked
COMMAND===>                                SCROLL===> CSR
***** ***** top of data *****
000010 * THE FOLLOWING LINES DEFINE MANDATORY FIELDS FOR NEW MEMBERS:
000020 /LANG
000030 /DESC
000040 * /HIST - THIS LINE IS INACTIVE (NOT STARTING IN COLUMN 1)
000050 *
000060 * THE FOLLOWING LINE SPECIFIES THAT PGMR WILL ALWAYS BE SET TO
000070 * THE CONTENTS OF THE NATURAL SYSTEM VARIABLE *USER:
000080 /PGMR=NATUSERID
000090 *
000100 * LIBRARIAN LANGUAGES TABLE
000110 *CODE LANG
000120 *      !SYNONYM
000130 *      !          !SEQ START - END
000140 *      !          !
000150 !ASM!ASM      !073-080
000160 !BAS!BASIC    !000-000
000170 !CMD!CLIST  !000-000
000180 !JCL!CNTL   !073-080
000190 !COB!COBOL  !001-006
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Split End  Suspe Rfind Rchan Up      Down Swap Left Right Curso

```

Notes:

1. The above example was created using a German-language keyboard.
For the separator (!), use the character that corresponds to X'4F'.
2. In the above example, the HISTORY parameter is commented out. This means that users are not prompted to give a reason for modifying a member.