

UXEEX4 - UEDIT LIBRARIAN/PANVALET Exit

Note:

A familiarity with the functional design of the UEDIT utility program is necessary for a full understanding of this section (see the chapter entitled UEDIT - Functional Design).

UXEEX4 is a user-written routine that allows you to enforce installation standards for the LIBRARIAN "-SEL" and "-ADD" statements and the PANVALET "++ADD" and "++UPDATE" statements. When the UEDIT SAVE operation is executed, control is passed to UXEEX4 for each of these statements existing in a member. This routine can be included:

- In the link edit of the UEDIT subprogram UEBP;
- As an operating system or Com-plete-resident program;
- On the Com-plete program library.

If it is present as a resident program, UXEEX4 must be reentrant. An example of this exit is provided on the distributed source library COM.SOURCE.

This chapter covers the following topics:

- How to Use UXEEX4
 - UXEEX4 Conventions
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How to Use UXEEX4

Upon entry to UXEEX4, a set of parameters is received in the form of fullword addresses pointed to by register 1. Word 1 contains the address of a halfword return code area where the status of the request is placed. Word 2 contains the address of the UEPDCOM data area. Word 3 contains the address of an 80-byte "++ADD", "++UPDATE", "-ADD", or "-SEL" statement that can be examined and modified. Word 4 contains the address of the Edit Control Block (CMEDCB) data area. Word 5 contains the address of a storage area containing GETCHR information.

Upon return from UXEEX4, the return code halfword is examined and processed as follows:

- 0 The SAVE operation continues.
- 4 The SAVE operation is aborted, and an error message is output on the UEDIT menu display.

UXEEX4 Conventions

The following table summarizes the UXEEX4 linkage conventions.

Feature	Convention	
Attributes	Reentrant if in a resident area.	
Type	Thread.	
Size	Restricted to the UEBP thread region.	
Registers at Entry	Register 1	Address of the parameter list
	Register 13	Address of an 18-fullword save area
	Register 14	Return address in the calling module
	Register 15	Entry address within UXEEX4
Registers	All registers must remain unchanged. at Return	
Parameters	Word 1	Address of a return code halfword
	Word 2	Address of the UEPDCOM data area
	Word 3	Address of the 80-byte "++ADD", "++UPDATE", "-SEL", or "-ADD" control statement
	Word 4	Address of the EDCB data area
	Word 5	Address of the UEDTMGET data area (GETCHR information)
Return Codes	0	Execute the SAVE command.
	4	Abort the SAVE command.
Considerations	a	Is given control for each SAVE command issued when saving to a LIBRARIAN or PANVALET library.
	b	Can be link edited, or loaded dynamically.