

# PROGRAM PRODUCT SPECIFICATION

BEM:EDT — OS/3  
Interactive Editor  
Type Number 6509-01

## SECTION I

The SPERRY UNIVAC OS/3 Interactive Editor (EDT) has been designed for operation on SPERRY UNIVAC Series 90 Computer Systems, which are run under the OS/3 Operating System.

Interactive editing greatly simplifies the process of entering and correcting data in that the user at a terminal can see the effect of a change as it is made and determine if it was done correctly. Corrective measures may be effected immediately, at the terminal, before the data is permanently written back to a file. Program source, text, and job control can be manipulated via EDT. New elements can also be created via the terminal in an interactive environment.

In order to operate, OS/3 EDT requires the *Basic Editor Monitor (BEM)*, type number 6509-00. EDT allows the terminal user access to BEM features such as printing or punching elements from library files, obtaining a directory listing of a library, and executing certain other interactive application programs such as BASIC.

### System Features

EDT provides extensive facilities for creating and updating text elements in OS/3 Library files. The updating facilities include inserting, copying, saving, deleting, and concatenating elements. Editing of an existing element is accomplished in a work area independent of the OS/3 Library files. These elements may contain lines of program source, text, job control, EDT commands, or any other material. EDT is insensitive to the data it is working with.

Text and commands are entered conversationally at the user terminal. Commands to EDT are composed of simple clauses which may be combined to form powerful text manipulation commands. Errors that are detected in command syntax, or during command execution, are displayed on the user terminal. A HELP facility provides the terminal user with additional information about the latest error encountered and its potential solution.

The portions of the data on which a command is to act may be restricted by the user. Line numbers or column numbers may be stated in the command if they are known. If only lines containing a certain character string are to be selected, the string is stated in the command.

Some of the basic commands available to the terminal user allow for displaying text lines, deleting lines, moving or copying ranges of lines, changing or inserting character strings within lines, applying sequence numbers, and saving or retrieving lines. A unique command is available for UNISCOPE terminals which allows text to be updated on the UNISCOPE screen.

These basic commands may be combined to form more complex commands such as a single command to: locate text lines with a specific character string; change it to another string; copy the modified text to another position within the work area; and display the text after it has been changed.

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Several special-purpose commands are included in the editor for such things as "tab" description for input, upper or lower case input, communication with the computer operator, and entering BEM commands without terminating EDT.

A major feature of this editor is the EDT Procedures (procs). EDT procs allow a terminal user to establish a list of EDT commands in the workspace and direct EDT to execute them. Included with this feature is the capability to perform parameter replacement in the commands to be executed; also included is a series of general variables for temporary storage of items such as line numbers, character strings, command keywords, etc.

EDT procs are useful when a series of elements must each be modified by the same (or similar) group of commands repeatedly. Commonly used command sequences may also be stored in permanent files and called up at the beginning of other EDT sessions for use at that time. EDT procs are commonly used during program conversion.

## **Hardware and Software Requirements**

EDT is designed to be run with BEM on a Series 90 computer running under the OS/3 Operating System. The minimum configuration requirements for BEM also pertain to EDT:

- two disk drives
- communications adaptor with at least one terminal
- extended micrologic feature
- minimum 65K memory

OS/3 BEM is required for operation.

OS/3 ICAM is required for operation.

## **Programming Consideration**

EDT is furnished in library format as a load module, and cannot be used without BEM, the monitor. All configuration-related parameters are stated in the BEM execution job control stream.

## SECTION II

### Customer Education

Sperry Univac makes available customer education related to this Program Product. Course availability and schedules are contained in the published course catalog. Charges for courses will be at the then prevailing rates. Customers should contact their local Sperry Univac representative for enrollment procedures.

### Program Product Support

Sperry Univac will endeavor to correct any significant error in an unaltered current release of the Program Product, which the customer brings to the attention of Sperry Univac in accordance with established correction procedures. Sperry Univac does not represent or warrant that all errors will be corrected. This error correction service may result, from time-to-time, in update releases which the customer will install. Sperry Univac reserves the right to alter the classification of this Program Product to reflect changes in policy or support requirements.

### Ordering Information

This Program Product and its associated documentation may be leased from Sperry Univac at separately stated lease charges. Upon execution of a Supplemental Lease for Program Products (Form UD1-1306 or its equivalent) for this Program Product, the following will be provided:

1. OS/3 Librarian format magnetic tape containing:
  - EDT load modules for execution.
  - A test program for the Program Product Validation Aid.
2. One copy of the associated documentation:
  - *BEM : EDT Interactive Editor, User Reference Manual* UA-0141
  - *BEM : EDT Instruction Summary Code Card* UA-0190
  - Installation Memorandum

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