Bell Telephone Laboratories, Incorporated   - 1 -   PA-1C600-01
PROGRAM APPLICATION INSTRUCTION   Section 12 (a)
Issue 1, 10/1/77
AT&TCo SPCS

EXECUTE(a)   **EXECUTE(a)**

NAME

execute − execute new process

SYNOPSIS

(execute = 44.)
execute(pcbbase, dspace, &psd)
int pcbbase; /* base register for PCB */
int dspace; /* process d-space bits */
int *psd;   /* pointer to entry points */

DESCRIPTION

Execute frees up all currently active segments except for the PCB and sets all the remaining segments as active. Vacated slots in the PCB are squeezed out. *Pcbbase* specifies which base register is used to point to the PCB (0-7 is supervisor i-space and 8-15 is supervisor d-space). The two low order bits of *dspace* indicate if d-space is to be turned on for the supervisor (bit 1) and for the user (bit 0). *Psd* points to three sets of entry point pairs of PS and PC:

        event entry point
        normal entry point
        fault entry point

An INIT event is sent to this process to start it up. No return is possible from this system call. The *execute* function is used by the NUB process to start up a new supervisor-user process.

SEE ALSO

setdspac(a), event(a).

DIAGNOSTICS