Bell Telephone Laboratories, Incorporated   - 1 -   PA-1C600-01
PROGRAM APPLICATION INSTRUCTION   Section 14 (c)
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AT&TCo SPCS

(P-MGR)PCREAT(c)   **(P-MGR)PCREAT(c)**

NAME

(P-Mgr)P_CREAT — create a process from a file

SYNOPSIS

P_CREAT = 1

INPUT

```
struct {
struct msghdr p_hdr;
struct cp_clist p_cdir; /* 3-word capability structure */
int        p_guid;    /*Group and user id */
int        p_prc;     /*Process number of new process (returned)*/
int        p_par;     /*Process number of parent*/
char       p_flag;    /*If non-zero a message of type mtype will be sent to parent    when
                        the process dies*/
char       p_mtype;   /*A  message  of   mtype will  be  sent  to  parent    if flag    is
                        nonzero*/
char       p_chanel;  /*Control channel number of new process*/
char       p_arg;     /*Flag set if parent sends message to new process*/
int        p_fds;     /* unused */
int        p_share[2];/* Segment to share with created process(flags,ID)*/
char       p_path[];  /*Pathname of file to make into a process*/
};
```

VALUES (returned)

p_prc - the process number of the new process

DESCRIPTION

Pcreat causes the process file
specified by *p_path* to be loaded and executed. If the new process is a supervisor process, the
process manager creates a mini-supervisor (called the nub) which reads the process file into the
appropriate segments, and transfers control to it. If the new process is a kernel process, the
process manager will create the appropriate segments and issue messages to the memory
manager to process lock them in memory.

ALSO SEE

ldp(e), pcreat(f), pfile(g).

DIAGNOSTICS

Many error codes are returned. See the introduction to the process manager.