

(MEM-MGR)TERM(c)

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NAME

(Mem-Mgr)term – to memory manager: terminate a process

INTRODUCTION

The memory manager is part of the basic kernel. It executes at processor priority 2 with kernel D-space enabled. The primary function of the memory manager is to load the next process for the system scheduler. Since the memory manager contains all the code for managing physical memory, certain other services, primarily for the benefit of the process manager, are included.

SYNOPSIS

term = 9.

INPUT

```
    struct {  
    struct msghdr hdr;  
    struct cp_clis p_cdir;    /* 3-word capability structure */  
    char p_uid;  
    char p_gid;  
    int p_prc;    /* process number to dump */  
    int p_sid;    /* Segment id of process PCB */  
    int buf[];  
};
```

VALUE

The same message is forwarded to the parent of the terminating process

DESCRIPTION

The process PCB segment *segid* is brought into memory. The user count on all the segments in the PCB is decremented and if zero, the segment is returned to the system.

All capabilities are removed from the PCB of a supervisor process by sending a *delete* capability message back to the owner of the capability and zeroing out the capability in the PCB.

DIAGNOSTICS

none