

**DROPSEG (a)**

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**NAME**

dropseg — drop a segment from a process virtual address space

**SYNOPSIS**

(dropseg = 6)  
dropseg (segnum)

**DESCRIPTION**

The segment indexed by *segnum* is removed from the process virtual address space (the "active" bit is cleared in the segment table status word). The "altered" bit is unconditionally cleared and the "new segment" bit is set. The result of all this bit setting and clearing is that the contents of the segment are totally unpredictable. If the current contents of the segment are no longer required, swapping will be reduced when the segment is reactivated. This system function can be used by a process which dynamically creates subtasks and must assign working storage to the subtask. The contents of the segment can be discarded when the subtask finishes, but the segment is retained for future tasks. A value of 1 is returned from C.

**ALSO SEE**

rmovseg(a)

**DIAGNOSTICS**

C returns -1 if the *segnum* points to a null segment table entry. Fault return with code 10. if *segnum* exceeds the available number of segment table entries.