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Identification

drum\_control  
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(Note that the following is an Abstract, which should be replaced by a full description at a later time.)

## Function of Entry:

Interfaces the file system with the firehose drum. A circular queue is used with each slot in that queue corresponding to a sector time on the drum. The queue is long enough so that 10 requests for the same sector time may be accepted. When a request for I/O is finished a call is made to page\$done or fsstat\$switch is set to zero.

## Calling Sequence for Entry:

```
call drum_control$drum_read(did, p);
    drum_control$drum_write(did, p);
    drum_control$drum_run(did);
```

## Declaration of Arguments:

```
dc1    did fixed,                /* device id */
      1 arg based (p),
      2 drum_addr bit (18),      /* sector address on drum */
      2 core_addr bit (18),      /* page address in core */
      2 postsw bit (1),          /* if on call page$done,
                                   else switch = 0 */
      2 null bit (8),
      2 param bit (27);          /* given to page$done */
```

## Description of Arguments: