Status Code 830

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Status 830은 Drive를 사용하지 못할 때 발생하는 것으로 여러가지 원인이 있겠지만
1. Slot이 꽉 차서 Drive에 들어있는 Media를 옮겨놓을 수 없는 경우
2. Robot Arm에 문제가 생긴 경우

등을 원인으로 생각할 수 있음

```
[root@milkyway /usr/openv/volmgr/bin]# tpconfig -d
Id  DriveName          Type    Residence
     Drive Path                                                      Status
**************************************************************************
0    HP.ULTRIUM4-SCSI.000 hcart  TLD(0)  DRIVE=1
       /dev/nst1                                                     UP
1    HP.ULTRIUM5-SCSI.000 hcart  TLD(0)  DRIVE=2
       /dev/nst0                                                     UP

Currently defined robotics are:
  TLD(0)     robotic path = /dev/sg2

EMM Server = milkyway-storage

[root@milkyway /usr/openv/volmgr/bin]# tpconfig -l
Device Robot Drive       Robot             Drive            Device      Second
Type    Num Index  Type DrNum Status  Comment  Name          Path        Device Path
robot     0    -    TLD    -     -   -          -             /dev/sg2
  drive   -    0   hcart   1    UP   -          HP.ULTRIUM4-SCSI.000 /dev/nst1
  drive   -    1   hcart   2    UP   -          HP.ULTRIUM5-SCSI.000 /dev/nst0
[root@milkyway /usr/openv/volmgr/bin]#
```

```
[root@milkyway /usr/openv/volmgr/bin]# robtest
Configured robots with local control supporting test utilities:
  TLD(0)     robotic path = /dev/sg2

Robot Selection
_____

  1)  TLD 0
  2)  none/quit
Enter choice: 1

Robot selected: TLD(0)    robotic path = /dev/sg2

Invoking robotic test utility:
/usr/openv/volmgr/bin/tldtest -rn 0 -r /dev/sg2

Opening /dev/sg2
MODE_SENSE complete
Enter tld commands (? returns help information)
s d
drive 1 (addr 256) access = 0 Contains Cartridge = yes
Source address = 4098 (slot 3)
Barcode = 000001L4
drive 2 (addr 257) access = 1 Contains Cartridge = no
READ_ELEMENT_STATUS complete
```

```
Enter tld commands (? returns help information)
s d
drive 1 (addr 256) access = 0 Contains Cartridge = yes
Source address = 4098 (slot 3)
Barcode = 000001L4
drive 2 (addr 257) access = 1 Contains Cartridge = no
READ_ELEMENT_STATUS complete
m d1 s3
Initiating MOVE_MEDIUM from address 256 to 4098
move_medium failed
sense key = 0x4, asc = 0x53, ascq = 0x1, UNLOAD TAPE FAILURE
```

```
Enter tld commands (? returns help information)
s d
drive 1 (addr 256) access = 0 Contains Cartridge = yes
Source address = 4098 (slot 3)
Barcode = 000001L4
drive 2 (addr 257) access = 1 Contains Cartridge = no
READ_ELEMENT_STATUS complete
m d1 s3
Initiating MOVE_MEDIUM from address 256 to 4098
move_medium failed
sense key = 0x4, asc = 0x53, ascq = 0x1, UNLOAD TAPE FAILURE
s s
slot 1 (addr 4096) contains Cartridge = yes
Source address = 4096
Barcode = JJW626L4
slot 2 (addr 4097) contains Cartridge = yes
Source address = 4097
Barcode = 000004L4
slot 3 (addr 4098) contains Cartridge = no
slot 4 (addr 4099) contains Cartridge = yes
Source address = 4099
Barcode = JJW625L4
slot 5 (addr 4100) contains Cartridge = yes
Source address = 4100
Barcode = JJW624L4
slot 6 (addr 4101) contains Cartridge = yes
Source address = 4101
Barcode = F06568L4
slot 7 (addr 4102) contains Cartridge = yes
Source address = 4102
Barcode = JJW620L4
slot 8 (addr 4103) contains Cartridge = yes
Source address = 4103
Barcode = 000008L4
<< Press return to continue, or q and return to stop >>
q
READ_ELEMENT_STATUS complete
m d2 s4
Initiating MOVE_MEDIUM from address 257 to 4099
move_medium failed
sense key = 0x5, asc = 0x3b, ascq = 0xe, MEDIUM SOURCE ELEMENT EMPTY
m s4 d2
Initiating MOVE_MEDIUM from address 4099 to 257
MOVE_MEDIUM complete
s d
drive 1 (addr 256) access = 0 Contains Cartridge = yes
Source address = 4098 (slot 3)
Barcode = 000001L4
drive 2 (addr 257) access = 0 Contains Cartridge = yes
Source address = 4099 (slot 4)
Barcode = JJW625L4
READ_ELEMENT_STATUS complete
```

robtest 결과 Drive 1이 미디어를 unload 하지 못하고 있음. 물리적으로 m d1 s3 명령어 날렸지만 실패

Drive 2는 정상적으로 수행

Drive 1 Down 시켜놓고 매뉴얼 Full Backup 받는 것으로 마무리