

TO: Distribution  
FROM: Dennis Capps  
DATE: October 29, 1973  
SUBJECT: Tape Mount Project Progress Report

Recently I remarked to Tom that it might have been easier and faster to rewrite this package from scratch rather than to "just finish it up. It's almost done." He replied, "well, you've managed to do both, haven't you?" This month was no exception.

The seemingly simple programs `vds_manager` and `tape_register` turned up, not complications really, but deficiencies in design which had to be corrected in order to do the job right. Still some features are being left until later.

Other policies were also decided which do not appear explicitly in the task list. For example, it was decided not to let a user override the vds of a tape at mount time. If (s)he wishes to change the use of a tape (s)he will have to change the registration using a command which will be provided to make such changes in an orderly and well supervised way. An unregistered tape will still be described by qualifiers following the volume id. Any such qualifiers specified for a registered tape will not be rejected, just ignored.

It is a grim thought, but I think there is still another month's work to be done, counting documentation, etc.

TASK AREA \_\_\_\_\_

| TASK DESCRIPTION  | PERSONNEL | START | FINISH | CHANGES/STATUS                |
|---|-----------|-------|--------|-------------------------------|
| tape_volume_access_define_access codes and implement  | DC        | /     | /      | Done                          |
| nstd<br>Modify to call new package  | THVV      | /     | /      | Done                          |
| tape_path_name_revise_to_reflect current state in and simplify calling sequence               | DC        | /     | /      | Done                          |
| Mount request state 5. Modifications to tape_mount_, tape_opr_, and tape_master_              | DC        | /     | /      | Done                          |
| tape_mount_\$mount_check_parameter to inform whether tape & drive still attached              | DC        | /     | /      | Done                          |
| mmsg-access_modify_to_only_manipulate_message_segments  | DC        | /     | /      | Done<br>Installation in works |
| tape_mount_util_require_authentication_if_label_not_checked, label_check_if_no_authentication | DC        | /     | /      | Done                          |
| tape_mount_util_code_to_call_ANSI_label_checker   | DC        | /     | /      | Done                          |
| tape_mount_util_code_to_handle_a_tape_which_does_not_yet_have_a_label                         | DC        | /     | /      | Done                          |
| program to generate gummed labels   | THVV      | /     | /      | Done                          |

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|---|-----------|----------|-----------------------|----------------|
| tape Final Debugging  | DC        | 8/20/73  | 8/31/73               | Done           |
| tdcm security leak  | DC        | 9/10/73  | 9/11/73               | Done           |
| clerical work of hardcore submission                        | DC        | 10/2/73  | 9/25/73<br>10/4/73    | Done           |
| vds_manager_  | DC        | 10/2/73  | 10/10/73              | Coded          |
| tape_register   | DC        | 10/4/73  | 10/9/73<br>(10/29/73) | Coded          |
| settle on qualifiers produce, incorporate include files     | DC        | 10/10/73 | 10/29/73              | Done           |
| reorganize vds & tcs  | DC        | 10/14/73 | 10/29/73              | Done           |
| move parser for qualifiers to ring 4                        | DC        | 10/10/73 | 10/29/73              | Done           |
| tape_change_registration (so owner can modify registration) | DC        | 10/29/73 | 10/30/73              |                |
| testing   | DC        | 10/31/73 | 11/7/73               |                |

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|--|------------------------|----------|----------|----------------|
| mechanism so that label checker for dim can pass inf. to the dim           | DC,JP, THV             | 11/12/73 | 11/12/73 |                |
| code for above   | DC                     | 11/12/73 | 11/13/73 |                |
| change communication protocol so that mount message constructed on op side | DC                     | 11/14/73 | 11/19/73 |                |
| reorganize tcs in conjunction with above                                   | DC                     | 11/14/73 | 11/19/73 |                |
| put 80 char ansi label in Multics standard label record.                   |                        |          |          |                |
|  |                        |          |          |                |
|  |                        |          |          |                |
|  |                        |          |          |                |
| make sure new version of nstd has latest calling sequences                 | DC                     |          |          |                |
| Registration   | DC,RAR, tape librarian |          |          |                |

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|--|-----------|-------|---------|---|
| hardcore modules   | DC        |       | 9/23/73 | Done  |
| TOS document for users explaining new tape mounting protocol | DC        |       |         | convert msb 69?   |
| MOSN for operations explaining new tape mounting protocol    | DC        |       |         |   |
| SPS  | DC        |       |         | First drafts at some of these already exist as comments in the progs. |
| MPM  | DC        |       |         | "   |
| Progress Reports   | DC        |       |         |   |
| clerical work of online submission                           | DC        |       |         |   |
|  |           |       |         |   |
|  |           |       |         |   |
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