

TO: Distribution
FROM: David M. Jordan
DATE: February 26, 1973
SUBJECT: Operation of the Carry Tape Facility

The Multics carry tape facility is a means by which users can request that their segments be moved from one Multics system to the other.

Assuming that no errors are encountered, the steps outlined below will result in the users' requests being processed and their segments being moved. In addition, a variety of maps and so forth are produced, both for the system and for the users. In the outline, "A" represents either the H645 at Tech Square or the H6180 at IPC (the system from which segments are being moved) and "B" represents the other (the system to which segments are being moved). Note that the process for moving between systems is the same in either direction.

<u>Step #</u>	<u>Action</u>
1.	Login Dumper SysDaemon on System A.
2.	Type "ec carry_dump".
3.	Logout.
4.	Move the tapes created to System B.
5.	Login Dumper SysDaemon on System B.
6.	Type "carry_load".
7.	Logout.

Notes

Step 2

Several strange and/or wonderous events may occur while running this step:

1. It may ask you if you want to delete an old control file. If you're not sure that the previous run from System A to System B was completed successfully, answer "no", check that the previous run is completed, and start over. If you're sure that the previous run did complete successfully (ie, the tapes were loaded on system B correctly), then answer "yes".
2. It may tell you that no carry requests were made. In this case, no tapes will be written and you can stop after step 3.
3. You may encounter unrecoverable tape errors while writting the segments out. In this case locate the line in the console output with the following format:
"carry_dump: Directory PATHNAME created for user maps"
where "PATHNAME" is the pathname of a directory under >daemon_dir_dir>carry_dir. Then type "dd PATHNAME"

again using the string of characters from the located message. It will then ask you if you really want to do that, to which you should answer "yes". At this point, you can restart the dumping by typing "ec restart_carry_dump".

Step 6

When running this step you may encounter unrecoverable tape reading errors. If so, start over at step 1, except that step 2 should be "ec restart_carry_dump" rather than "ec carry_dump".

IMPORTANT

The control file used during the process of dumping user segments (>daemon_dir_dir>carry_dir>carry_control) should never be deleted until you're sure that the previous run completed SUCCESSFULLY.