

Date: 03/04/74
To: Distribution
From: John Gintell
Subject: On-line T&D Project Status

Support for the On-line T&D project has gotten underway with three sub-projects to meet the needs of the On-line T&D group in Phoenix.

A message coordinator will be developed to control the Multiplexing of consoles and processes running T&D programs. This coordinator will be patterned after the system message coordinator used to run the consoleless daemons.

The means for describing peripheral equipment via PRPH cards will be modified to allow for the addition of information needed for T&D. The basic strategy will be to restrict one peripheral description to each card and thus permit extra information.

The I/O interfacer will be developed to run the T&D programs. Initially T&D will be developed for card readers, printers, punches, operator consoles, and tapes only. The current DCM's will either be replaced by ones using the I/O interfacer or modified to be able to coexist with the I/O interfacer.

The initial tasks are to develop specs for the above work. Although estimates for some of the remaining work has been made, the later tasks will not be scheduled until agreement on what is to be done is reached.

The most difficult task will be the integration of the On-line T&D with the software written at CISL. It will best be done on a Development machine, the location of which will have to be chosen (Phoenix or Cambridge).

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| TASK DESCRIPTION | PERSONNEL | START | FINISH | M-IV | CHANGES-STATUS |
|---|------------------|---------|---------|------|---|
| Write spec for Message Coordinator | Silver | FW 4-10 | FW 4-11 | 2 | Will require several iterations to complete |
| Implement Message Coordinator, using existing one as base | Silver | | | | Cannot make estimate until spec complete |
| Modify TTYDIM and Answering Service for MC | | | | 1 | |
| Integrate Message Coordinator with On-line T&D | Silver T&D-group | | | | |
| Specify changes to PRPH cards | Morris | FW 4-10 | FW 4-10 | 1 | This has Operational documentation implications |
| Code PRPH card changes | Morris | | | 2 | Should not start until after review of proposal |
| Checkout PRPH card changes | Morris | | | 1 | |
| Write detailed spec for I/O interfacer | Morris | FW 4-11 | FW 4-13 | 3 | |
| Code iom_manager changes for I/O interfacer | Morris | | | 1 | |
| Code I/O interfacer | Morris | | | 3 | |
| Modify printer DCM to checkout I/O interfacer | Morris | | | 2 | |
| Checkout I/O interfacer | Morris | | | 4 | |
| Integrate I/O interfacer with T&D | Morris T&D-group | | | | Perhaps best done on CISL machine |

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PROJECT On-line T&D Support AREA Multics Release 2.1

| TASK DESCRIPTION | PERSONNEL | START | FINISH | M-W | CHANGES-STATUS |
|--|------------------|-------|--------|-----|----------------|
| Analyze Operator Console DIM interaction with I/O interfacer | Morris Silver | | | 1 | |
| Modify Operator Console DIM | Silver | | | | |
| Analyze tape DCM interaction with I/O interfacer | Morris Grady | | | 3 | |
| Modify tape DCM | Morris | | | | |

