

TO: Distribution

FROM: John Gintell

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SUBJECT: Operator Console Software Project Status

The development of the new Operator Console software has been completed; the software is currently being audited. Updated design and operation documentation has been prepared and distributed and the MCRB has approved the project. A Multics Staff Meeting presentation was given by Bill Silver to describe the new system. It is expected that this implementation will be installed sometime during December.

As a quick review the new features of this software include;

- improved buffering of output for the operator console,
- a logging mechanism to place messages in the storage system hierarchy,
- a communication mechanism between it and the initializer to handle the case when the console itself is defective,
- user interface and operational improvements to make it more useful as a normal terminal for use on the Development machine and perhaps on service as a Operator Console.

No more work will be done on this project for some time so that Bill Silver can be applied to other projects. There are however three general tasks that remain to be done;

- take full advantage of the logging facility. This will involve auditing all calls to syserr and adding some new ones.
- modification of the software to operate with an Entry Model Console (EMC) instead of the current operator console. An EMC is a Terminet-300 keyboard and printer interfaced with the IOM over the System Control Center (SCC) interface. This

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version will operate with but not take advantage of the SCC,

- design and modification of the system to operate with the SCC, taking advantage of the two separate display screens as well as the Terminet-300 printer and keyboard.

TASK DESCRIPTION	PERSONNEL	START	FINISH	M-W	CHANGES-SIAIUS
Design new syserr and OpCon DIM	Silver		EW 3-24 FW 3-27		Done, new MTB, MOSN's to be published
Code new syserr	Silver	EW 3-25	EW 3-26 FW 3-31	2	Done
On-line checkout of syserr	Silver	EW 3-27 FW 3-34	EW 3-28 FW 3-39	2 15	Done
Bootload checkout of syserr	Silver	EW 3-29 FW 3-40	EW 3-30 FW 3-45	2	Done
Plan the system changes to make the log facility more useful				1	New task
Make system changes to use log facility				2	New task
Modify answering service to respond to bad console signal	vanVleck			1	Not needed to make facility work
Design, code and checkout programs to prepare formatted output from log	???			4	Not needed, crude log printer available
Determine how to use EMC with minimal changes to current software	Silver Morris	EW 3-33	EW 3-35	1	A hardware change to the console adaptor is being contemplated
Code and checkout syserr changes to run with EMC	Silver			2	Checkout in Phoenix?, awaiting HW decision
Specify changes needed to use SCC features	Silver Morris			6	

