

MULTICS STAFF BULLETIN-11

TO: Distribution
FROM: Michael Padlipsky
DATE: February 2, 1972
SUBJECT: Network/Graphics Group Task List



TASK AREA _____

TASK DESCRIPTION	PERSONNEL	START	FINISH	CHANGES/STATUS
<u>IMP DIM</u>	RKK DMW			
Documentation.	RKK DMW			Main need: functional/usage/ structural overview. Module writeup okay.
RFNM's at interrupt time.	RKK			Highest priority.
"Missing Interrupt" problem; add time outs.	RKK			Next.
Merge GIOG, IOM versions.	DMW RKK			Desireable.
<u>NCP</u>	EWM (RKK)			
Spontaneous close and no read wakeup anomalies.	EWM MAP	1/25		High priority (on data transfer critical path).
Move NCP to ring 0.	EWM			Highest priority.
Foreign site not closing problems.	EWM			Needs investigation.
"Buffer too small" problem.				Low priority.

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Quite enable bug.	EWM MAP	1/25 1/26	1/31	High priority.
<u>'RE-INTERFACING/REDESIGN'</u>	RKK EWM			Tighten improve IMP DIM/NCP interface for better efficiency, more functions. Investigate overall strategy.
Design.	RKK EWM MAP	1/27		Reopened.
Multiple messages mode.	EWM RKK	1/27		Quiescent.
Move allocate handling.	RKK EWM	1/27		Right after dead to world fix.
<u>LOGGER</u>	EWM (MAP)			
Documentation.	EWM (MAP)	soon		MAP: Overview EWM: module writeups
Initialize automatically.	DMW			Pending.
Clean up nttydim_, net_tty_.	GDT	1/15		N.B. graphics interface, asynchronous for use by network command.

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<u>USER INTERFACE</u>	MAP (ALL)	/	/	Includes Network command, telnet routine and expansion for new "outer directed" protocols. Also policy issues.
Telnet cleanup.	MAP	/	/	Depends on protocol cleanup.
Interconsole communication.	DMW	/	/	Needs documenting.
Asynchronize network command.	MAP	/	/	Needs investigation.
Usage monitoring.	MAP	/	/	On-going.
<u>GRAPHICS</u>	EWM (CDT) (KTP)	/	/	Multics and Network.
Connection protocol.	MAP	/	/	I'm working on it.
Network Standard Graphics Protocol.	EWM	/	/	He's working on it.
"First pass" NSGP DIM.	KTP	/	/	Ready for trying with someone else.
Redesign/improvement (Multics).	(KTP)	/	ON-GOING	Needs revising.

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Interactive graphics terminal proposal.	KTP (MAP)	ASAP		Especially IMLAC.
Early experiments with Ill.	EWM (KTP)	MEDIUM SOON		Will be based on "first pass" protocols.
<u>PDP-8</u>	MAP DMW			
Documentation.	CDT			Draft will be "live tested" soon.
Utilization, planning.	ALL	ON-GOING		
Finish "trans18".	CDT			During IAP?
Multics file capability?				Worth investigating.
Compiler language?				Worth investigating.
Use 340 over Net?				Worth investigating.
Reincarnate Grochow's package?				Worth investigating.

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IOM x_ray substitute?		/	/	Worth investigating.
<u>NETWORK PROTOCOLS</u>	RKK (ALL)	/	/	Network wide issues; need either clarification or definition, and we must be in on both it seems.
Initial connection.	EWM	/	/	
Telnet.	MAP	/	/	Quits and input hiding still ambiguous; must be implemented when clarified.
Graphics.	EWM (KTP)	/	/	
Host-Host Re-do.	RKK	/	/	
Data/File Transfer.		/	/	Worked on by Neal Ryan during IAP.
Mail box.		/	/	Must be considered.
Accounting and Access Control.		/	/	
		/	/	

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<u>IOM/355 CONVERSION</u>	RKK DMW			Currently a top-priority task.
comm. line DIM.	CDT		NOV	
imp_gioc.	DMW			
<u>NETWORK APPLICATIONS/PROJECT</u>	ALL		ON-GOING	Attention should be paid to specifics soon; coordination with Dynamic modeling necessary.
"Mediator" (automatic remote subroutine execution).				Metcalfe's favorite.
Common command subset.				My favorite.
Emerging protocol implementation.				Somebody's gotta do'em.
Planning.				Corby's favorite
Remote job entry?	MAP			Needs investigation.
New hardware to IMP hookup.				Needs investigation.