

MULTICS STAFF BULLETIN-20

TO: Distribution

FROM: M. A. Padlipsky

DATE: February 24, 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	/	3/3	Highest priority.
"Missing Interrupt" problem.	RKK	/	3/3	In next package.
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	/	3/31	Highest priority.
Foreign site not closing problems.	EWM	/	/	Needs investigation.
"Buffer too small" problem.		/	/	Low priority.

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Fix read strategy.	EWM	/	/	Can cause ITT overflow.
<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	12/5	/	Quiescent.
Move allocate handling.	RKK EWM	12/5	/	Right after dead to world fix.
<u>LOGGER</u>	EWM (MAP)	/	/	
Documentation.	EWM (MAP)	SOON	/	MAP: Overview EWM: module writeups
Initialize automatically.	DMW	/	/	Pending.
Cleanup nttydim_, net_tty_.	CDT	1/15	1/31	N. B. graphics interface, asynchronous for use by network command.

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Password overprinting, non-ASCII character elimination.	MAP	2/23		Needs doing.
<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.

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"First pass" NSGP DIM.	KTP	/	/	Ready for trying with someone else.
Redesign/improvement (Multics).	(KTP)	/	ON-GOING	Needs revising.
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.

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Use 340 over Net?				Worth investigating.
Reincarnate Grochow's package.				Worth investigating.
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.

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Accounting and Access Control.				
<u>IOM/355 CONVERSION</u>	RKK DMW			Currently a top-priority task.
comm. line DIM.	CDT	NOW		
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.

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New hardware to IMP hookup.		/	/	Needs investigation.
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