

MULTICS STAFF BULLETIN-46

TO: Distribution

FROM: M. A. Padlipsky

DATE: May 9, 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.
Retransmission limit	RKK	3/20	4/3	
Merge GIOC, IOM versions	DMW RKK	3/20	4/3	
<u>NCP</u>	EWM (RKK)	/	/	
Spontaneous close and no read wakeup anomalies.	EWM MAP	1/25	/	High priority (on data transfer critical path).
<u>net_syserr</u> error handling	DMW	/	/	
Foreign site not closing problems	EWM	/	/	Needs investigation
"Buffer too small" problem.		/	/	Low priority
		/	/	

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Respond to per-segment ring brackets.	EWM	/	/	
<u>'RE-INTERFACING/REDESIGN'</u>	RKK EWM	/	/	Tighten improve IMP DIM/NCP interface for better efficiency, more functions. Investigate overall strategy.
Notice, inform operators of malfunctions; consider automatic reinitializing.	MAP	3/23	3/31	
Design of expanded interrupt time processing.	RKK EWM MAP	1/27	/	Reopened.
Multiple messages mode.	EWM RKK	12/5	/	Quiescent.
<u>LOGGER</u>	EWM (MAP)	/	/	
Documentation.	EWM (MAP)	SOON	/	MAP: Overview EWM: module writeups
Initialize automatically.	DMW	/	/	Pending.
Record non-anonymous logins.	MAP	3/23	3/31	
IO_error problem.	EWM	4/21	/	

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>200(8) code filtering.	MAP	/	/	Needs doing.
<u>USER INTERFACE</u>	MAP (ALL)	/	/	Includes Network command, telnet routine expansion for new "outer directed" protocols. Also
		/	/	policy issues.
Telnet cleanup.	MAP	/	/	Depends on protocol cleanup.
Documentation.		/	/	Need to decide where to publish.
Usage monitoring.	MAP	/	/	On-going.
<u>GRAPICS</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		
<u>NETWORK APPLICATIONS/PROJECTS</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.
<u>METERING</u>	ALL	/	/	
Documentation of existing "private" meters.	ALL	/	/	
Permanentize appropriate meters.	ALL	/	/	
Compare Daemon before/after 16,4	MAP	/	/	
"IO scorecard"	MAP	/	/	
		/	/	
		/	/	
		/	/	
		/	/	

