

MULTICS STAFF BULLETIN-5

TO: Distribution  
FROM: M. A. Padlipsky  
DATE: December 16, 1971  
SUBJECT: Network/Graphics Group Task List



TASK AREA \_\_\_\_\_

TASK DESCRIPTION	PERSONNEL	START	FINISH	CHANGES/STATUS
• IMP DIM	RKK SMW			
Documentation.	RKK DMW	9/1		Main need: functional/usage/ structural overview. Module writeup okay.
'Missing Interrupt' problem.	RKK			Must be investigated.
Merge GIOC, IOM versions.	DMW RKK			Desireable.
• NCP	EWM (RKK)			
Deconsolize daemon, stop blocking in ring 4.	DMW			Medium high priority.
Foreign site not closing problems.	EWM			Needs investigation.
'Buffer too small' problem.				Low priority.
'Missing Interrupt' checker in daemon.				Medium priority.
Daemon accounting.				Depends on redesign outcome.

TASK AREA \_\_\_\_\_

TASK DESCRIPTION	PERSONNEL	START	FINISH	CHANGES/STATUS
• "RE-INTERFACING/REDESIGN"	RKK EWM	/	/	Tighten improve IMP DIM/NCP interface for better efficiency, more functions. Investigate overall strategy.
		/	/	
Design.	RKK EWM MAP	8/9	8/13	
		8/9	8/23	
Multiple messages mode.	EWM RKK	12/5	/	Under way.
Move allocate handling.	RKK EWM	12/5	/	Under way.
Redesign design discussion.	ALL	12/20	/	Highest priority.
• LOGGER	EWM (MAP)	/	/	
Documentation.	EWM (MAP)	SOON	/	MAP: Overview EWM: module writeups
Initialize automatically.	DMW	/	/	
Clean up nttydim_, net_tty_.		/	/	N.B. graphics interface, asynchronous for use by network command.

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Furnish site mnemonics on "info" call.	MAP EWM	/	/	Awaiting installation (with write_force change).
● USER INTERFACE	MAP (ALL)	/	/	Includes network command, telnet routine, and expansion for new "outer-directed" protocols. Also policy issues.
Clean up login responder.	KTP	/	/	An IAP task.
Telnet clean up.	MAP	/	/	Depends on protocol clean up.
Interconsole communication.	DMW	/	/	Needs polishing, documenting.
Asynchronize network command.	MAP	/	/	Needs investigation.
Usage monitoring.		/	/	
● GRAPHICS	EWM (CDT) (KTP)	/	/	Multics and Network.
Connection protocol.	MAP	/	/	I'm working on it.

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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.
Interactive graphics terminal proposal.	KTP (MAP)		ASAP	Especially IMLAC.
Early experiments with Ill.	EWM (KTP)		MEDIUM SOON	Will be based on "first pass" protocols.
• PDP-8	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.

TASK AREA \_\_\_\_\_

TASK DESCRIPTION	PERSONNEL	START	FINISH	CHANGES/STATUS
Compiler language?				Worth investigating.
Use 340 over Net?				Worth investigating.
Reincarnate Grochow's package?				Worth investigating.
IOM X_RAY substitute?				Worth investigating.
● NETWORK PROTOCOLS	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.				Will be implemented by Neal Ryan during IAP.

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Mail box.		/	/	Must be considered.
Accounting and Access Control.		/	/	
● IOM/355 CONVERSION	RKK DMW	/	/	Currently a top-priority task.
comm. line DIM.	CDT	NOW	/	
imp_gioc	DMW	/	/	
● NETWORK APPLICATIONS/PROJECT	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.



RISK AREA

TASK DESCRIPTION	PERSONNEL	START	FINISH	CHANGES/STATUS
Remote job entry?	MAP	/	/	Needs investigation.
New Hardware to IMP hookup.		/	/	Needs investigation.
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