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TO: Distribution

DATE: 02/05/76

SUBJECT: MR 4.0 MCS Plans

I. SIGNIFICANT EVENTS

        With the completion of the MR 3.1 development effort for
MCS, several new tasks seem obvious for MR 4.0. This MTR will
list those tasks, and their planned completion dates. Some of the
work has already begun, and other tasks are only integration of
work which is already complete.

        The most significant piece of MR 4.0 will be the new
tty_read and tty_canon which use the new table formats and
speedups found to be so successful in tty_write. Most of the
design of these modulis has been completed, with an MTB published
on the new canonicalizer and one in progress for tty_read.

        Other areas for 4.0 include fixes to the various type-ahead
and input interruption problems which have been discovered in
MCS, the addition of support for Auto Call Units (MIT developed),
the integration of fixes and speedups found in the USGS benchmark
effort, implementation of 355 dump and patch commands, and
studies of bisync communications protocols.

        An MTB will be published on the type-ahead and input
interruption problems, which will both explain them, and explain
our proposed solutions.

TASK DESCRIPTION	PERSONNEL	START	FINISH	M-W	CHANGES-STATUS
tty_read top-level design	Coren	1/8 1/8	1/16 1/16	1 1	Done
tty_read detail design and MTB	Coren	1/16 1/16	2/3	3	Design Started
tty_read and tty_canon coding	Coren	2/3	2/13	2	
tty_util_$tct implementation	Grady	2/2	2/6	1	
tty_read simulation testing	Coren	2/20	3/5	2	
tty_read bootload testing	Coren	3/4	3/12	1	
MTB on input interruption handling	Grady	2/2	2/6	1	
input interruption fix design	Grady	2/6	2/13	1	
input interruption implemenation and testing	Grady Coren	2/13	2/27	2.5	Coren does LSLA side only
Implementation of ACU's	Goldman	1/1 1/1	2/27	8	Testing in progress
ld355 and dmp355 bug fixes	Grady	2/6	2/11	.3	

PROJECT ___MCS Development___ AREA___ MR 4.0 Plans___

TASK DESCRIPTION	PERSONNEL	START	FINISH	M-W	CHANGES-STATUS
Integration of USGS fixes	Grady	2/27	3/5	1	
dump_fnp and patch_fnp commands	Grady, Coren	3/5	3/19	3	
Multics 355 linker	Grady, Coren	3/19	4/2	6	
FNP boot from Multics	Grady	4/2	4/16	2	
Study Bisync implementations	Adsit	4/5	4/16	2	Study and publish MTB