To:

Distribution

From:

Pattie, Peter, Grace and David

Date:

November 18, 1975

Subject: System Maintenance Status, October 18 - November 14

1. Significant Events

As we are sure most have noticed, performance has become quite a problem within the last couple of weeks. The system is somewhat overloaded and many users are having problems logging in. This has been especially critical because numerous hardware problems have resulted in extended periods when the full configuration has been unavailable. We have a number of installations waiting which should improve performance but cannot log in to get them installed. But our first concern is to get the full hardware complement operating properly again.

A major delay in the installation of the pl1 and fortran compilers has occurred due to a lack of disk space. However, more disk space has been added and we hope the new compilers will be in by the end of next week. These new versions will be compatible with the new separate static conventions.

A. Online System Installations

Within the last month, there have been 15 logical changes to the online libraries. The two major changes were the installation of another answering service to support MCS features and a new, improved version of bound_tolts_ which we are hoping will work. Several changes to the network library were also installed.

The pl1 and fortran compilers have still not The major delay was caused by a lack of disk space. Since space is no longer a problem we hope the compilers will be installed by the end of next week.

Peruse_text which been neglected for several years (the last time the ipt segments were modified was in 1973) and help has assumed many of its functions, so peruse_text will be deleted from the system on November 18th.

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B. Other Installations

Hardcore systems MSS 27.1, 27.1a, 27.2, 27.2a, 27.2b, 27.2c have been installed. MSS 27.1 moved occess control information into the KST. MSS 27.2 provided a new command processor and linker providing capability for separate static.

Salvager 2.32 was also installed to fix a critical problem with flushing the paging device, as the system would not run without SCU A as low order memory.

C. Crash Analysis

Most of the crashes within the last month have been due to hardware problems such as parity errors.

Also we lost almost four hours of time due to an error in the cable attachment on disk drives 3 and 4. This was then followed by loading the wrong firmware the next morning with the result that we were down for seven more hours.

	0ct 18-24	0ct 25-31	Nov 1-7	Nov 8-14	Total
Hardware	4	2	2	4	12
Hardware Suspected	0	Ô	0	0	0
Software	0	2	Ō	1	3
Software Suspected	0	0	0	0	0
Not Yet Analyzed	0	1	1	1	3
Not Available	0	0	1	2	3
Other	0	0	0	0	0
Total	4	5	4	8	21

2. Problem Areas

Our major problem has been in the area of performance. The system has been somewhat overloaded and has become especially exaggerated due to the numerous hardware problems. There are a number of installations that will alleviate some of this problem and we hope to have them installed by the end of next week.

We also have occasional hardware problems which we are

We also have occasional hardware problems which we are unable to track down. These problems are presently categorized as MINOR GLICHES of one form or another.

We have also discovered that mcs tty dim does not support Billerica's RNPs as we have crashed a number of times while using it. We all hope this problem will be corrected as soon as possible.

3. Task Status

Hopefully Pattie will have the pil and fortran compilers installed by the end of next week. Grace now has test_tape working and will be submitting an MCR reporting the fix shortly. Roger has converted the metering and network daemons from SysDaemon to the Daemon project. Dave has begun working on autocall and has reviewed the operators handbook and debuggers guide.

Peter is now working on the IBM 1130 and Grace is starting to work on the Prime 300 computer. Grace and Roger have been working on changing the hardcore header so that all non-system (SysDaemon/SysAdmin) acls are removed. The change for this is ready to be submitted.

4. Work Planned for the Coming Month

The major work planned involves the installation of the compilers and of hardcore system MSS 27.3 which contains a new version of system control and a variety of other fixes.

PAGE__1__/__1 GROUP____Muitics System Maintenance and Assurance___ DATE___11/18/75____ AREA __System and User Support__ PROJECT

IASK DESCRIPTION	PERSONNEL	SIARI	FINISH	P-W	CHANGES-SIAIUS
1 Online Installations	Kelley			-	
	Oratel	Continul:	Ing Task		
Maintain source lists	Roach			-	rs ein ein ein dir einste die ein ein ein ein ein ein ein ein dir ein zin dir ein ein ein dir dir dir dir dir
		Continui:	ng Task		
Maintain cross reference lists	Kelley			-	Should be run soon.
	(Oratel)	Continui	ng Task		ot been
Maintain listings	Oratel				
		Continuit	ng Task	90 00	
Crash Analysis	ACKELEGO			-	
	Lewis (Jordan)	Continui	Ing Task		
Hardcore Installations	Ackerman				
	Lewis (Kellev)	Continui	ng Task 1		
1 Operator Interface	Jordan				
	(A14)	Continuit	ng Task 1	***	
Maintain Hardcore Cross Reference	Jordan				
•		Continui	ng Task 1	y	
Consulting	A11				
		Continui	ng Task 1		
Xotor Synton	Roach				Monitor normal
		Continui:	ng Task		on de
		-		** **	run various performance tests.
			÷	-	

PROJECTProgramming Suppor	ort	AREA		
TASK DESCRIPTION	I I NNO S & H d	START	HTN10H	RHANARA
Maintain and improve library submission tests	Хе- - е- - е-	 Continuing	Task	
Convert cross reference to v2		14/15/73		
Upgrade all online installation tool exec_coms for the 6180 and install in the libraries and document them.	₩ • • •	3/26/73		ec's have been revised.
Look into compare_source_statement as replacement for cpa				Compare p1/1 source statements ignoring differences in comments
			• •••	4 - - - - - - - - - - - - - - - -
Design and implement an online system for registering modules being worked on. etc.				
Make test_tape work again	1 Ackerman-		-	Ready for submission

110-27-75112-15-751

Jordan

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Assist in Implementation of

Ackerman-Lewis

Jordan

Provide Network support as needed.

Provide Prime Support.

GROUPPDO: Muitics Support G	Group	DATE11/18/75	PAGE11
PROJECTLibrary Maintenance Tools	Is Project	AREAInstallation tool	on tool enhancements
1 Honeywell PLM - AN80: Library	PERSONNEL Kelley	SIARI FINISH P-W	CHANGES-SIAIUS continuing
Maintenance Manual Ilbrary_cleanup: to replace cleanup using the library	Kel ley	11/04/24 11/18/24 11/11/18/74 11/04/7 41 09/02/751	awaiting Installation
descriptor tobject_test_t fix bug which deletes some ALM segments	Keiley		Awalting MCR approval
Fix bug in library command lidelete.	Kel ley		MCR 1274 - Awaiting Installation
Fix bug in msa_manager_ introduced with MSS 27.0	Ke – e v		MCR submitted
check format produced by crossreferencer	Kelley		started
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