

Sally
KADC wty
3/31/69

SUBJECTS FOR DISCUSSION

1) Hardware

- a) ours
- b) MIT's - what configuration tests made
 - who to see on making changes
 - minimum hardware configurationresponse times?
- c) replace drum with read only memory?

2) Software

- a) criteria for LIM, DIM, OIM, SIM, OPM
- b) status and completion dates
- c) today's design goals (verses 64 design^{GN} goals)
 - 1. 64K segments - linked?
 - 2. down time, reload time
- d) BOSS bootload
- e) PDP-8 display interface, *HARDWARE COST/EFFECTIVENESS*

3) Documentation

- a) people at MIT to contact
- b) MIT programming courses
- c) lifting of some modules

EPL, BOSS, LINKER, LOADER

4) General Information

a) follow on machine

b) software public domain?

PL/1 back end for compiler generation?

c) teletype between RADC and MIT

1) what model

2) user's manual

d) number of support people needed

1) operators

2) systems engineers - hardware, software

3) training of support personnel

e) our hardware and software performance (up time)

Detailed Questions

1. DIM was to be completed by 1 February 1969 per objectives of August 1968. We understand that performance objectives were realized but that reliability was poor; i.e. many crashes.

What is the status of DIM?

2. LIM started running on 20 January 1969. (LIM is for systems programs only and still compiles^s under GECOS)

What is LIM's status?

Does it support 12 users?

Is mean time to failure less than 8 hours?

3. What is the status of OIM? (OIM is independent of GECOS, has ELBSA and EPL)

Does it support 16 users with MT to failure of 16 hours?

Will it be complete by June 1969?

4. Status of SIM? Will SIM be complete by Sept-Oct 1969?

5. Status of OPM? Will it be complete by 1 January 1970.

6. MULTICS requires 150K of wired down programs (118K being File System) We understand that attempts were being made to reduce this figure. Has there been any success?

7. Have any more tests been made on running MULTICS with the 256K configuration without the FH Drum (i.e. with 2 DSU's) The last such tests revealed a performance degradation factor of 2. Is this still so?

8. We would like to establish a telephone line to MIT so that we could gain access to MULTICS version LIM through an on-line TTY. (LIM is supposed to support 12 users) Is this possible?

9. Under GECOS III, when a file is released it is not destroyed. This, ^Uif ^F another user creates a file and it is assigned the disc space just released, and the user does not write into this file, he can list the file and obtain the previous user's information. How does MULTICS attack this problem?

10. Is the EPLBSA and EPL compiler public domain? If so can we have a tape of both? either? We would also like a 645 boot strap and loader.

11. Specific literature that we need immediately?

a. "MULTICS Condensed Guide"

b. "Initial MULTICS Console User's Manual"

also

a. "MULTICS Systems Programmers Guide"

b. "A Guide to MULTICS Subsystem Writers"

c. EPLBSA

d. EPL