

 PDP-II

DATE: December 29, 1969

SUBJECT: Design Review Committee Meeting 12/22/69

TO: G. Butler
CC: Design Review Committee
Roger Dow

FROM: Roger Cady

A final meeting of the committee was held December 22, 1969 to discuss Diagnostic Philosophy. Those present were: Geroge Fligg, Grant Saviers, Dave Dubay, Don Zereski, Ira Morris, John Hittell, Roger Cady.

John Hittell presented the diagnostic philosophy and the "family tree" of diagnostics. There was general concurrence of the ideas presented. The following questions were raised:

1. I/O Testing. We should plan a modular monitor for diagnostics so as to be able to selectively choose the devices and program to be run on that device along with concurrant testing of other devices. Don Zereski emphasized the need for Incremental testing flexibility in these diagnostics.
2. Grant raised the question of whether worst case checkerboard tests were adequate for memory validation.
3. There was a discussion of the production test line, and whether a computer controlled line would test better. The philosophy of having a master test diagnostic as the checkout media was questioned when John indicated it might only be 90% effective. Engineering re-affirmed its intent to run all diagnostics on the first 50-100 units as well as systems programs. There appeared agreement that the decision not to go into elaborate on-line test systems until the problems are known and understood was wise. (we don't want another 8/I CP Tester fiasco).

Unless you feel there is need, I will consider that this was the final session of a continuous design review concerning the normal first three meetings (including the Ira Morris sub-committee on packaging). Will you please pull together a final report for the Engineering and Operations Committees.

I want to take this opportunity to thank you, Gerry, and all the members of the committee for the many hours of work that have been put in on the review of the 11. I apologize if upon occasion I have indicated a lack of responsiveness to your questions and suggestions. I feel that almost all of your recommendations have been incorporated into the final design. You all have been very helpful and I am positive we now have a better product as a result of your work. Thank you.

RCC/emp