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MEMO

To: Edward Copps
From: Edison Hall
Date: 9 October 1967
Subj: DSKY Display Program

In a recent meeting with various members of your group headed by Dan Lickly, we discussed the part of the T4 RUPT program that controls display outputs that is now proposed for all future rope releases. As we understand this program it can command relay word changes without any dead time between commands, that is, the output register is not set to zero between commands.

The undesirable features of this mode of operation were discussed and the following two points were brought out.

1. The new DSKY design will not work. A design change to make it work would require many more logic gates and the space is very limited.
2. For LM unmanned mission ropes this violates the ICD with the LMP. The LMP may not work with DSKY commands of this type.

It was concluded in the meeting that the program would be changed to put 20 millisecc of dead time between each relay word command. This is still a violation of the ICD for unmanned missions but the new DSKY will work. The program for LEM1 (206 ropes) was reviewed. The program operates with 20 millisecc on/100 off for DSKY and 30 millisecc on/90 off for LMP drive. This was considered acceptable.

Conclusion

It is very important that the programs be changed for all mission ropes because this new DSKY could be put into production and used with any mission. There should be no compatibility problem between the DSKY and software.

Dist.

- R. Battin
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- J.E. Miller
- D. Lickly
- J. Kernan
- H. Hamilton
- J. Vella
- J.S. Miller
- A. Kosmala
- A. Laats ✓