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NOTE

an internal working paper

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Author Delivered

READER TIMING CONSIDERATIONS - NOT READY

When cards are read by the 714 card reader, the entire card is first read into the RSU (record storage unit). When the reader is subsequently selected, the data is transferred to core memory from the RSU, at the conclusion of which the reader is complete and not busy, then another card starts past the read station. When the card is read into the RSU, another card is fed from the hopper. When the last card from the hopper has moved ~~approximately one inch~~, the reader becomes not ready.

As a consequence of the above, if card processing time is short relative to the time required to move the cards, a program may select the reader when it is ready and not busy, then when the last card in the hopper has moved far enough the reader becomes not ready but still selected. In the case of some coding sequences, this would result in the program not knowing that the reader was not ready.

For programs relying on detection of a reader not ready condition, one of the following code sequence is suggested:

non-look-ahead read

RCD		
BSN, 675	to not ready routine	
BSF, 671	\$-1	COMPLETE

look-ahead read

BSN, 675	to not ready routine	
RCD		
BSN, 743	\$-2	BUSY

In both the above instances the reader will remain selected, the computer will not stop, and upon depressing the reader start button, the next card will be read. These routines will, however, detect the reader not ready condition when 3 cards remain in the reader.

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Active Notes

- 001/00 SLO WITH ZERO WORD COUNT
- 002/00 U CODE- OTHER MODIFIER CONFLICTS - TAPE
- 003/00 SLO - READER - OTHER MODIFIERS
- 004/00 FIX TYPEWRITER WORD COUNT
- 005/00 FIX TYPEWRITER CARRIAGE RETURN
- 006/00 MONITORING L.S. OPERATIONS
- 007/00 UNUSED I/O CONTROL WORD BITS
- 008/00 TAPE PROGRAMMING DCR INDICATIONS
- 009/00 PUNCH OPERATE CODES
- 010/00 PRINTER (1401) TIMING CONSIDERATIONS
- 011/00 READER TIMING CONSIDERATIONS - NOT READY