FILE MEMO

SUBJECT: Address 1

       Address 1, by which the Interval Timer and the Time Clock are addressed, receives the following treatment:

1.   Any instruction of the fetch-type (no change to be made in either clock) will operate in the normal manner for an instruction of its type that addresses a protected area of memory. In other words, if the system is enabled, indicator DF is actuated: if its mask bit is one, the operation is suppressed; if its mask bit is zero, the operation is completed. If the system is disabled, the operation proceeds to normal completion.

2.   The Time Clock cannot be altered by any programmed operation.

3.   The contents of the Interval Timer can be replaced only by the use of one of the four instructions STORE VALUE, STORE COUNT, STORE REFILL or STORE ADDRESS, addressing the left half of address 1. The alteration of the Interval Timer is only effective when the interruption system is disabled. If it is enabled, indicator DS is actuated and the operation is suppressed.

4.   All other to-memory operations which specify the alteration of address 1, including the instructions SV, SC, SR, or SAD, addressing the right half of address 1, actuate indicator AD regardless of whether the system is enabled or disabled. The operation is suppressed.

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