

August 21, 1959

MEMORANDUM TO: 1401 File

SUBJECT: Machine Stop and Machine Reset

A MAR Error or Op Register Error will unconditionally stop processing in the 1401 except during a read scan. A MAR Error during a read scan will block the transfer of information to memory during that read scan, but the 1401 will not stop until the card has been read.

An Op Register Error will not stop the 1401 until after the card has been read.

The Power On Machine Reset will reset the control triggers and the error latches in the system.

The "Start Reset" key located on the console will reset the control triggers in the Process Unit and I/O circuitry and the error latches in the Process Unit, and will turn on the Delta I cycle latch.

The Process "Check Reset" key located on the console will reset the error latches in the Process Unit circuitry.

The "I/O Check Reset" key located on the C.E. Panel will reset the error latches in the I/O circuitry provided the "I/O Check Stop" switch is in the OFF position (ignore I/O errors); this does not require the card hoppers to be empty.

The "I/O Check Reset" key located on the Reader-Punch will reset the error latches in the I/O circuitry provided the card hoppers are empty and the card have been run out with the non-process run out.

The "I/O Check Stop" switch located on the console will allow processing to continue with I/O error if the switch is in the OFF position.

The Process "Check Stop" switch located on the C.E. Panel will allow processing to continue with a Process error if the switch is in the OFF position (this does not include MAR Error or Op Reg Error)

A test and reset can be made of the error latches with the BOP Code. The digit associated with the Op Code will determine which error latches are to be tested and reset.

Digit

Error Latches

0

Process Unit

1

Reader

2

Punch

Printer

PF/bd

*Pascal Farbanish*  
P. Farbanish  
Associate Engineer

cc: Mr. K. A. Bell  
Mr. R. L. Bennett  
Mr. T. S. Cooper  
Mr. F. J. Droege  
Mr. J. A. Harvilchuck  
Mr. J. J. Ingram  
Mr. D. S. MacLeod  
Mr. A. D. Miller  
Mr. W. R. Murray  
Mr. R. A. Rowley  
Mr. W. S. Schaffer  
Mr. F. O. Underwood  
Mr. J. E. Young