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**RCSL No:** 31-D534

**Edition:** January 1979

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**Title:**

RC8000 PAPERTAPE PUNCH PROCESS

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**Keywords:**

RC8000, external process.

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**Abstract:**

This paper describes the conventions of an external process controlling a papertape punch connected to RC8000.

(6 printed pages)

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### General Rules.

Operations can be initiated by an internal process that has initialized or reserved the device.

### Sense Operation.

The device does not permit a sense operation, so status zero will always be delivered.

### Output Operation.

A storage area within the sending process is output as one block. Each storage word is output as three 8-bit characters.

Output is terminated,

- 1) when the block has been output, or
- 2) after a timer error,

whichever occurs first.

Output is terminated by an answer defining the actual number of characters output.

### Output Mode.

Characters can be output after the addition of an odd or even parity bit, or directly as 8 bits without a parity bit. Furthermore it is possible in even parity to have the character <10> converted to <13> <10> <127>.

Finally they can be converted from the ISO 7-bit code to the Flexowriter code and output as defined RCSL 31-D60. The case situation is set to lower case when the punch is initialized or reserved.

The output mode is part of the message:

mode:	0	odd parity
	2	even parity
	4	no parity
	6	ISO to Flexowriter conversion
	8	even parity (<10> implies <13> <10> <127>)

#### Status Bits.

0	intervention
2	timer

#### Messages and Answers.

operation:	message:	answer:
sense	0	0 0 0
output	5 < 12 + mode first storage address last storage address	status word number of halfwords number of characters

## RETURN LETTER

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