Title:

RC8000 LINEPRINTER PROCESS

Keywords:

RC8000, external process

Abstract:

This paper describes the conventions of an external process controlling

a lineprinter connected to RC8000.

(6 printed pages)

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General Rules.

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

Setting the device in the <u>local</u> state has no effect other than delaying output until the device is set remote again, unless the time in local state exceeds two minutes. In that case an end of paper status will be returned.

Sense Operation.

The device is sensed and the status word delivered as an answer.

Output Operation.

A storage area within the sending process is output as one block. Characters must be represented in the ISO 7-bit code with three characters per word.

Output is terminated,

1) when the block has been output, or
2) after a timer error, or
3) at end of paper

whichever occurs first.

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

Notice if the status word indicates 'end of paper' <u>before any output,</u> the operation will be treated as a sense operation.

Status Bits.

    2   timer

    5   end of paper

Output Mode.

The output mode is part of the message

mode: 0   Then answer is returned when the transmitted block has been written.

        2   The answer is returned when the transmitted block has been received.

Messages and Answers.

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

RETURN LETTER

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Thank you

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Information Department
Lautrupbjerg 1
DK-2750 Ballerup
Denmark