IC information	repl.		ident HSI820315		 page 1/5		
	RC8000				••	class	EXT
^{subj.} Changes in Mo	onitor Rel	ease 8.0					

New Monitor Procedure: Set CPA Register

The CPA register is used to hold the top address of the core area in which the internal process may only read.

When a process is created the CPA register is set to the parent's CPA value. The parent may then set the register of its child to a lower value.

The CPA register should not be set lower than the top address of the monitor tables, allowing the process to read from the process and area descriptions and the message buffers in the monitor.

If a process allows its children to read directly in the parent's core area, the CPA register must not be set lower than the addresses delivered to the children.

SOS uses this method when it hands over the addresses of primary input and output to the file processor (FP).

s uses the method when the I and O commands are used.

SET CPA, 126

Set CPA register of child (name address, CPA-parameter, result)

w0 result (return)
w1 CPA (call)
w2
w3 name address (call)

jd 1<11+126

CSL No: 42-i

name address: process name (call) CPA: CPA value or 0 or 1 (call)

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CPA I	legister		E.T.		1 °C
When	s creates a	process it w	vill set CPA	to the top addre	ess of the
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1999 - Journaldan, 275,	Course	e e e e e e e e e e e e e e e e e e e	
internal prog	ess will be set to the	top address of the last moni-	
tor table.			

If the value equals 1 the CPA register will be set to the top address of the primary storage.

YES. AUTOREL <FIRST LOGIC ADDRESS>

100 ME - 2 5M 4182 (MABB)

NO

Privileged command

RCSL Nov 42-1-1324

Controls the default relocation of all the processes under s. AUTOREL YES causes s to set "first logic address" to "first free address". All processes hereafter created by s will be relocated to "first logic address".

> 215 and 5 the balling of a total from the state of gas YES RELOCATE <FIRST LOGIC ADDRESS

NO

The console parameter "first logic address" is set to the value given in the call.

RELOCATE YES causes s to set "first logic address" to "first free address".

If RELOCATE NO the process will not be relocated, independent of a previous use of the AUTOREL command.

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