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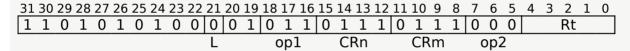Instructions

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GCSPUSHM

Guarded Control Stack Push decrements the current Guarded control stack pointer register by the size of a Guarded control procedure return record and stores an entry to the Guarded control stack.

This is an alias of SYS. This means:

- The encodings in this description are named to match the encodings of SYS.
- The description of SYS gives the operational pseudocode, any constrained unpredictable behavior, and any operational information for this instruction.

System
(FEAT_GCS)

31 30 29 28 27 26 25 24 23 22	21	20 19	18 17 16	15 14 13 12	11 10 9 8	7 6 5	4 3 2 1 0
1 1 0 1 0 1 0 1 0 0	0	0 1	0 1 1	0 1 1 1	0 1 1 1	0 0 0	Rt
	L	op1	CRn	CRm	op2		

        GCSPUSHM <Xt>

  is equivalent to

        SYS #3, C7, C7, #0, <Xt>

  and is always the preferred disassembly.

Assembler Symbols

  <Xt>   Is the 64-bit name of the general-purpose source register, encoded in the "Rt" field.

Operation

The description of SYS gives the operational pseudocode for this instruction.

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