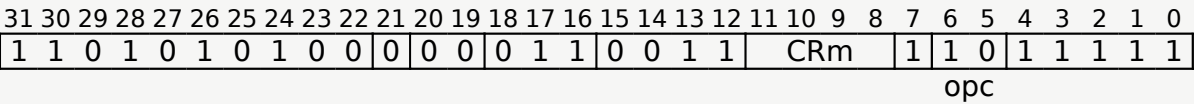## ISB

Instruction Synchronization Barrier flushes the pipeline in the PE and is a context synchronization event. For more information, see *Instruction Synchronization Barrier (ISB)*.

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	0	0	1	1	0	0	1	1	CRm	1	1	0	1	1	1	1	1

opc

```
ISB {<option>|#<imm>}
```

```
// No additional decoding required
```

Assembler Symbols

<option>   Specifies an optional limitation on the barrier operation. Values are:

         SY

              Full system barrier operation, encoded as CRm = 0b1111. Can be omitted.

         All other encodings of "CRm" are reserved. The corresponding instructions execute as full system barrier operations, but must not be relied upon by software.

<imm>   Is an optional 4-bit unsigned immediate, in the range 0 to 15, defaulting to 15 and encoded in the "CRm" field.

Operation

```
InstructionSynchronizationBarrier();
if IsFeatureImplemented(FEAT_BRBE) && BRBEBranchOnISB() then
    BRBEISB();
```