

HLT

Halt instruction. An HLT instruction can generate a Halt Instruction debug event, which causes entry into Debug state.

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	0	0	1	0	imm16																		0	0	0	0	0

HLT #<imm>

```
if EDSCR.HDE == '0' || !HaltingAllowed() then UNDEFINED;
if IsFeatureImplemented(FEAT_BTI) then
    SetBTypeCompatible(TRUE);
```

Assembler Symbols

<imm> Is a 16-bit unsigned immediate, in the range 0 to 65535, encoded in the "imm16" field.

Operation

```
FaultRecord fault = NoFault();
Halt(DebugHalt_HaltInstruction, FALSE, fault);
```