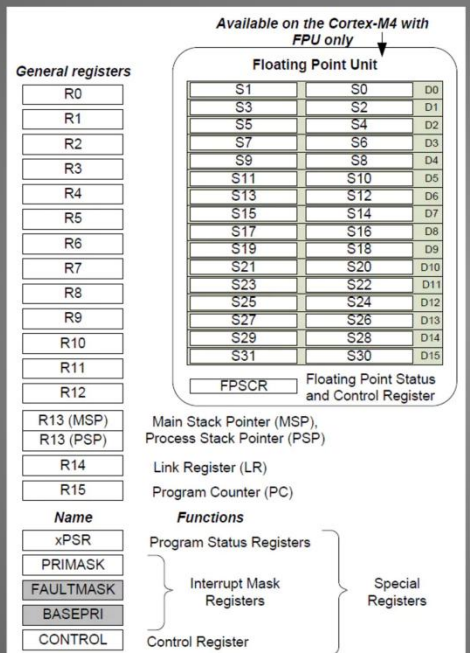

Program Status Register (PSR) - Application Program Status Register (APSR)

- Contains the current state of the condition flags from previous instruction executions

Interrupt Program Status Register (IPSR)

- Contains the exception type number of the current Interrupt Service Routine

Execution Program Status Register (EPSR)

- Thumb state bit, and the execution state bits

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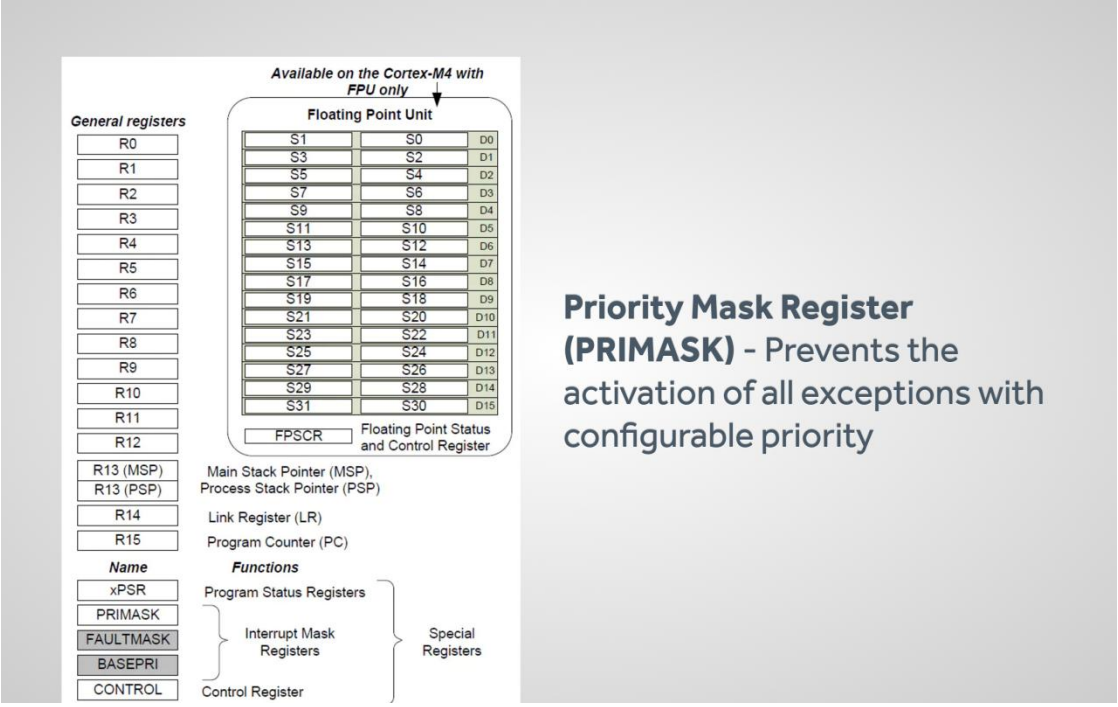

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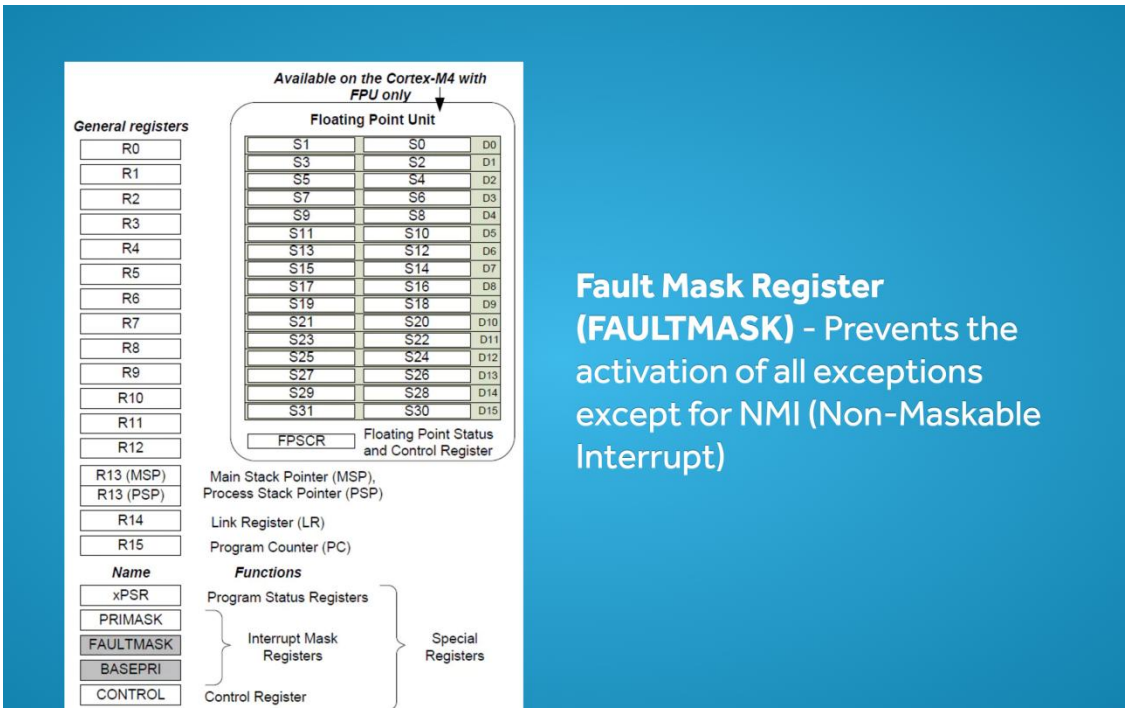

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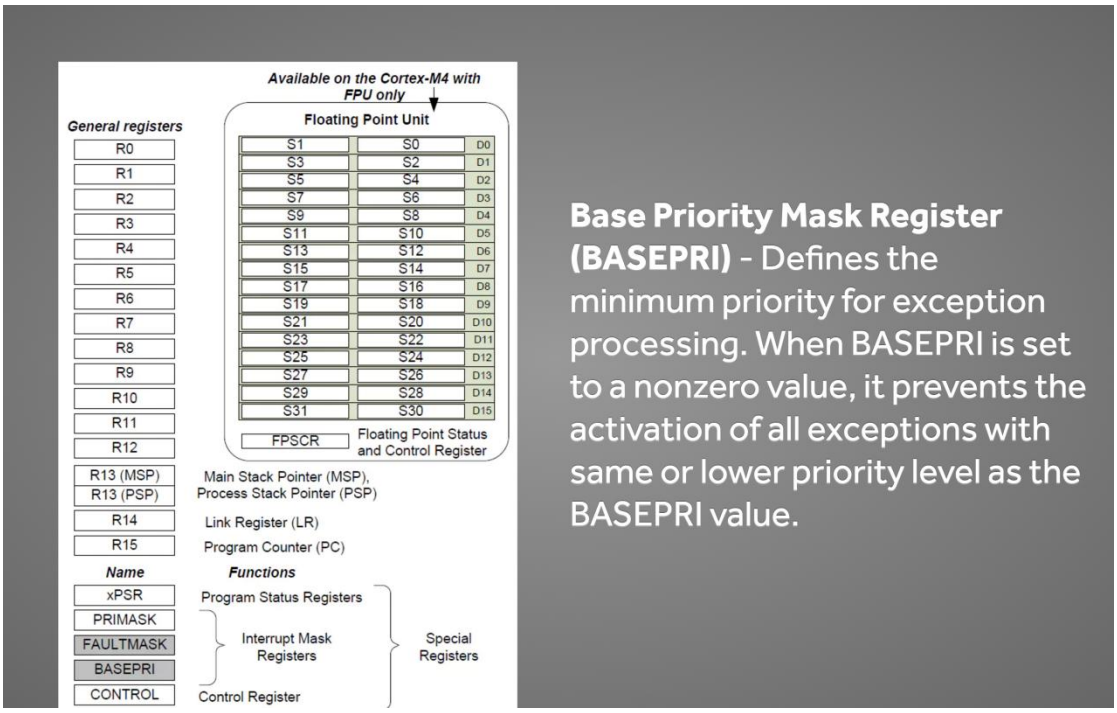

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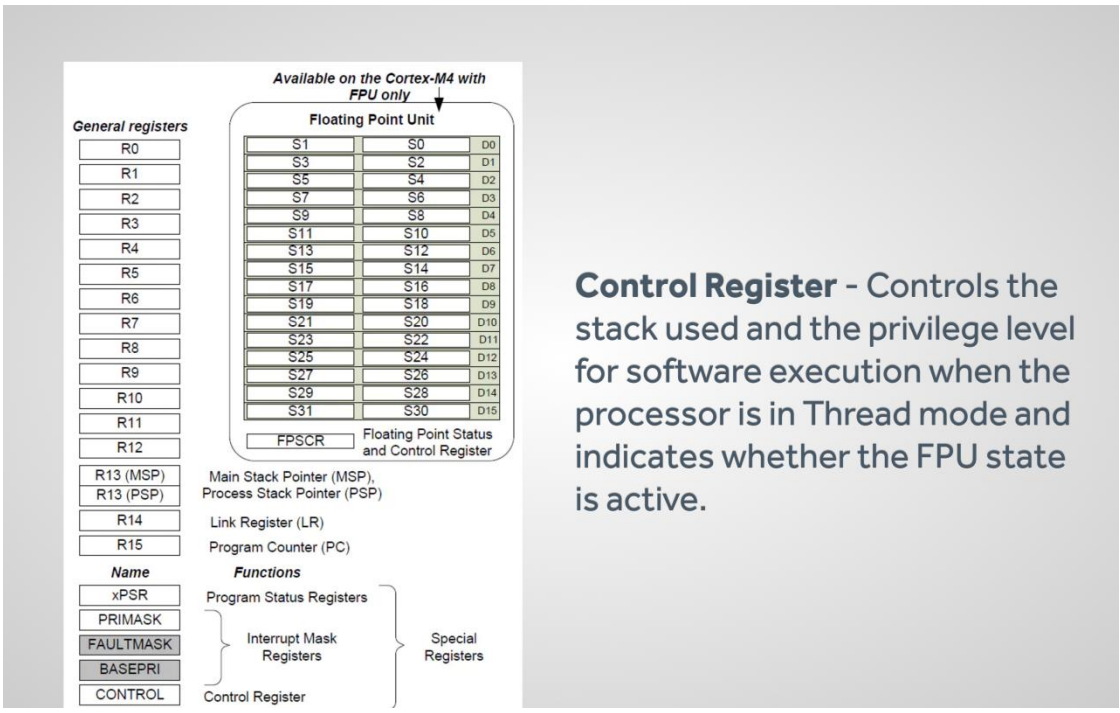

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Cortex-M Registers

- R0 to R15, CONTROL and PRIMASK registers are available in all Cortex-M processors
- Two special registers FAULTMASK and BASEPRI are available only on M3, M4 and M7
- FPU register bank and FPSCR (Floating Point Status and Control Register) is available on M4, M7 (optional)

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