PMDEVAFF1, Performance Monitors Device Affinity register 1

The PMDEVAFF1 characteristics are:

Purpose

Copy of the high half of the PE MPIDR_EL1 register that allows a debugger to determine which PE in a multiprocessor system the Performance Monitor component relates to.

Configuration

This register is present only when FEAT_PMUv3_EXT32 is implemented. Otherwise, direct accesses to PMDEVAFF1 are res0.

If FEAT_DoPD is implemented, this register is in the Core power domain. If FEAT_DoPD is not implemented, this register is in the Debug power domain.

This register is required if the external interface to the PMU is implemented.

Attributes

PMDEVAFF1 is a 32-bit register.

This register is part of the PMU block.

Field descriptions

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
MPIDR_EL1hi																															

MPIDR_EL1hi, bits [31:0]

MPIDR_EL1 high half. Read-only copy of the high half of MPIDR_EL1, as seen from the highest implemented Exception level.

Accessing PMDEVAFF1

Accesses to this register use the following encodings:

Accessible at offset 0xFAC from PMU

- When FEAT_DoPD is implemented and !IsCorePowered(), accesses to this register generate an error response.
- Otherwise, accesses to this register are **RO**.

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