

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
RES0												MSI_ADDR_H																			

Bits [31:20]

Reserved, res0.

MSI_ADDR_H, bits [19:0]

MSI write address bits[51:32].

Accessing MSMON_OFLOW_MSI_ADDR_H

This register is within the MPAM feature page memory frames.

In a system that supports Secure, Non-secure, Root, and Realm memory maps, there must be MPAM feature pages in all four address maps:

- MSMON_OFLW_MSI_ADDR_H_s must only be accessible from the Secure MPAM feature page.
- MSMON_OFLW_MSI_ADDR_H_ns must only be accessible from the Non-secure MPAM feature page.
- MSMON_OFLW_MSI_ADDR_H_rt must only be accessible from the Root MPAM feature page.
- MSMON_OFLW_MSI_ADDR_H_rl must only be accessible from the Realm MPAM feature page.

MSMON_OFLW_MSI_ADDR_H_s, MSMON_OFLW_MSI_ADDR_H_ns, MSMON_OFLW_MSI_ADDR_H_rt, and MSMON_OFLW_MSI_ADDR_H_rl must be separate registers:

- The Secure instance (MSMON_OFLW_MSI_ADDR_H_s) accesses the high part of the monitor overflow MSI write address of Secure monitors.
- The Non-secure instance (MSMON_OFLW_MSI_ADDR_H_ns) accesses the high part of the monitor overflow MSI write address of Non-secure monitors.
- The Root instance (MSMON_OFLW_MSI_ADDR_H_rt) accesses the high part of the monitor overflow MSI write address of Root monitors.
- The Realm instance (MSMON_OFLW_MSI_ADDR_H_rl) accesses the high part of the monitor overflow MSI write address of Realm monitors.

MSMON_OFLOW_MSI_ADDR_H can be accessed through the memory-mapped interfaces:

Component	Frame	Offset	Instance
MPAM	MPAMF_BASE_s	0x08E4	MSMON_OFLOW_MSI_ADDR_H_s

Accesses on this interface are **RW**.

Component	Frame	Offset	Instance
-----------	-------	--------	----------

MPAM	MPAMF_BASE_ns	0x08E4	MSMON_OFLW_MSI_ADDR_H_ns
------	---------------	--------	--------------------------

Accesses on this interface are **RW**.

Component	Frame	Offset	Instance
MPAM	MPAMF_BASE_rt	0x08E4	MSMON_OFLW_MSI_ADDR_H_rt

When FEAT_RME is implemented, accesses on this interface are **RW**.

Component	Frame	Offset	Instance
MPAM	MPAMF_BASE_rl	0x08E4	MSMON_OFLW_MSI_ADDR_H_rl

When FEAT_RME is implemented, accesses on this interface are **RW**.

[AArch32
Registers](#)

[AArch64
Registers](#)

[AArch32
Instructions](#)

[AArch64
Instructions](#)

[Index by
Encoding](#)

[External
Registers](#)

28/03/2023 16:02; 72747e43966d6b97dcbd230a1b3f0421d1ea3d94

Copyright Â© 2010-2023 Arm Limited or its affiliates. All rights reserved. This document is Non-Confidential.