

CTIAPPPULSE, CTI Application Pulse register

The CTIAPPPULSE characteristics are:

Purpose

Causes event pulses to be generated on ECT channels.

Configuration

CTIAPPPULSE is in the Debug power domain.

Attributes

CTIAPPPULSE is a 32-bit register.

Field descriptions

31	30	29	28	27	26	25	24
APPPULSE31	APPPULSE30	APPPULSE29	APPPULSE28	APPPULSE27	APPPULSE26	APPPULSE25	APPPULSE24

APPPULSE<x>, bit [x], for x = 31 to 0

Generate event pulse on ECT channel <x>.

Bits [31:N] are RAZ/WI. N is the number of ECT channels implemented as defined by the [CTIDEVID.NUMCHAN](#) field.

Writing to this bit has the following effect:

APPPULSE<x>	Meaning
0b0	No effect.
0b1	Channel <x> event pulse generated.

Note

- The CTIAPPPULSE operation does not affect the state of the application trigger. If the channel is active, either because of an earlier event or from the application trigger, then the value written to CTIAPPPULSE might have no effect.

- Multiple pulse events that occur close together might be merged into a single pulse event.

Accessing CTIAPPPULSE

It is constrained unpredictable whether a write to CTIAPPPULSE generates an event on a channel if CTICONTROL.GLBEN is 0.

CTIAPPPULSE can be accessed through the external debug interface:

Component	Offset	Instance
CTI	0x01C	CTIAPPPULSE

This interface is accessible as follows:

- When SoftwareLockStatus(), accesses to this register are **WI**.
- When !SoftwareLockStatus(), accesses to this register are **WO**.

[AArch32
Registers](#)

[AArch64
Registers](#)

[AArch32
Instructions](#)

[AArch64
Instructions](#)

[Index by
Encoding](#)

[External
Registers](#)

28/03/2023 16:01; 72747e43966d6b97dcbd230a1b3f0421d1ea3d94

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