CTIINTACK, CTI Output Trigger Acknowledge register

The CTIINTACK characteristics are:

Purpose

Can be used to deactivate the output triggers.

Configuration

CTIINTACK is in the Debug power domain.

Attributes

CTIINTACK is a 32-bit register.

Field descriptions

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17
ACK31	ACK30	ACK29	ACK28	ACK27	ACK26	ACK25	ACK24	ACK23	ACK22	ACK21	ACK20	ACK19	ACK18	ACK17

ACK\<n\>, bit [n], for n = 31 to 0

Acknowledge for output trigger \<n\>.

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

If any of the following is true, writes to ACK\<n\> are ignored:

- n >= [CTIDEVID](#).NUMTRIG, the number of implemented triggers.
- Output trigger n is not active.
- The channel mapping function output, as controlled by [CTIOUTEN\<n\>](#), is still active.

Otherwise, if any of the following are true, ACK\<n\> is res0:

- Output trigger n is not implemented.
- Output trigger n is not connected.
- Output trigger n is self-acknowledging and does not require software acknowledge.

Otherwise, the behavior on writes to ACK\<n\> is as follows:

ACK\<n\>	Meaning

0b0	No effect
0b1	Deactivate the trigger.

Accessing CTIINTACK

A debugger must read [CTITRIGOUTSTATUS](#) to confirm that the output trigger has been acknowledged before generating any event that must be ordered after the write to CTIINTACK, such as a write to CTIAPPPULSE to activate another trigger.

CTIINTACK can be accessed through the external debug interface:

Component	Offset	Instance
CTI	0x010	CTIINTACK

This interface is accessible as follows:

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

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