

RISC-V External Debug Support Errata

5e7cb72f5b4e673c3d7baad701d7c60d4683cd08

Editors:

Tim Newsome <tim@sifive.com>, SiFive, Inc.
Megan Wachs <megan@sifive.com>, SiFive, Inc.

Wed Dec 12 13:13:55 2018 -0800

1 Errata to RISC-V Debug Specification 0.13

1.1 Resume ack bit is set after resuming

The third paragraph of Section 3.5 has a mistake. At the end of the process described there, the resume ack bit is *set*.

1.2 sbdata0 Reads Order of Operations

The order of operations listed in Section 3.12.23, describing reads from `sbdata0`, is incorrect. It should read:

Reads from this register start the following:

1. “Return” the data.
2. Set `sbbusy`.
3. If `sbreadondata` is set, perform another system bus read.
4. If `sbautoincrement` is set, increment `sbaddress`.
5. Clear `sbbusy`.

1.3 mte only applies when action=0

The definition of `mte` in Section 5.2.6 should state that `mte` only applies to triggers whose action is 0.

1.4 sselect applies to svalue

In Section 5.2.13, when `sselect` is 0 it ignores `svalue`.

1.5 Last trigger example

In the last example in Section B.9, the value for `tdata2 1` should be `0xefff8675`.