

## Re: API change for bus\_dma

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2003-06/0321.html>

---

**From:** Scott Long ([scott\\_long\\_at\\_btc.adapteccom](mailto:scott_long_at_btc.adapteccom))

**Date:** 06/27/03

Date: Fri, 27 Jun 2003 14:43:38 -0600

To: Andrew Gallatin <[gallatin@cs.duke.edu](mailto:gallatin@cs.duke.edu)>

Andrew Gallatin wrote:

> *Scott Long writes:*

>>

>> *As you hinted below, BUS\_DMA\_NOWAIT does what you want. It will return*

>> *ENOMEM to the caller if the bounce buffers cannot be pre-allocated*

>> *during bus\_dmamap\_load().*

>

> *OK, thanks. I looks like sparc64 also returns ENOMEM if it runs out of*

> *sgmap space..*

>

> *One more question: What's the FreeBSD equivalent of Solaris'*

> *DDI\_DMA\_CONSISTENT and DDI\_DMA\_STREAMING?*

>

> *Thanks,*

>

> *Drew*

I'm not familiar with Solaris DDI. bus\_dmamem\_alloc() is guaranteed to give you contiguous memory that doesn't require bouncing (or ENOMEM if that's not possible). I can't imagine what DDI\_DMA\_STREAMING is.

Scott

---

freebsd-arch@freebsd.org mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-arch>

To unsubscribe, send any mail to "freebsd-arch-unsubscribe@freebsd.org"