

DragonFlyBSD - Bug #3021

sys/dev/drm/i915/i915_gem_stolen.c:115]: (error) Signed integer overflow for expression '65535<<20'

04/11/2017 11:44 AM - dcb

Status: In Progress	Start date: 04/11/2017
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version:	
Description	
Source code is	
base = bsm & BSM_MASK;	
but	
<pre>\$ fgrep BSM_MASK `find dragonfly/sys/dev -name *.h -print` dragonfly/sys/dev/drm/i915/i915_reg.h:#define BSM_MASK (0xFFFF << 20) \$</pre>	
Macro BSM_MASK seems to be 36 bits wide, which won't fit into a 32 bit int.	

History

#1 - 04/11/2017 12:46 PM - ftigeot

- Status changed from New to In Progress

Thanks for the report.

This code is actually from Linux 4.7.10 and the bug has apparently been fixed in Linux commit aac440ff22a27155ae08f4d0fd6ac2971bfc5f3d present in Linux 4.9.

I don't think it is currently necessary to create a DragonFly-specific fix; I intend to import newer drm/i915 code from upstream, which will fix this issue as a side effect.