



This Technical Advisory describes an issue which may or may not affect the customer's product

# Intel Technical Advisory

TA-1124

5200 NE Elam Young Parkway  
Hillsboro, OR 97124

July 4, 2017

**The Intel® Server Board S1200SP Product Family has been affected by Errata on Intel® Xeon® Processor E3 v5 Family: SKW144, SKW145 and SKW9S, more details NDA #561968\*. Errata on Intel® Xeon® Processor E3 v6 Family: KBW88, KBW92, KBW95, KBW97 and KBW06S, more details NDA # 572033\***

## Affected Products

Product Name
Intel® Server S1200SPL
Intel® Server S1200SPS
Intel® Server S1200SPO

## Description

Intel has identified a Core Loop Stream Detector (LSD) issue that may cause unpredictable system behavior. This issue was determined to be present in the Intel® Xeon® Processor E3 v5 Family and v6 Family Core LSD Logic. The microcode disables the Core LSD with no functional or feature impact. There may be minor performance and/or minor impact to power. Intel continues to ship the Intel® Xeon® Processor E3 v5 Family and v6 Family and does not expect any change in commitments or supply

## Root Cause

Root cause has been identified:

To address this issue, Intel has distributed these microcode updates:

- For SKX B1 microcode 0x136 was released on ww09.5 (3/03/17)
- For SKX H0 microcode 0x13 is in PC6 BKC released ww09.6 (3/04/17)
- For SKL (& E3v5) microcode 0xBA was released on ww17.1 (4/24/17)

## Corrective Action

Customers of Intel® Server Family S1200SP only need to ensure you have your BIOS updated to BIOS versions after 3.01.0016.

## Recommended Customer Action

Intel recommends to the impacted customers to contact Intel Customer Support Representative for further actions to provide the instructions and package to install the fixed BIOS version

- NDA documents can be downloaded from: <https://www-ssl.intel.com/content/www/us/en/secure/profile/my-intel.html#/myapps>

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

A "Mission Critical Application" is any application in which failure of the Intel Product could result, directly or indirectly, in personal injury or death. SHOULD YOU PURCHASE OR USE INTEL'S PRODUCTS FOR ANY SUCH MISSION CRITICAL APPLICATION, YOU SHALL INDEMNIFY AND HOLD INTEL AND ITS SUBSIDIARIES, SUBCONTRACTORS AND AFFILIATES, AND THE DIRECTORS, OFFICERS, AND EMPLOYEES OF EACH, HARMLESS AGAINST ALL CLAIMS COSTS, DAMAGES, AND EXPENSES AND REASONABLE ATTORNEYS' FEES ARISING OUT OF, DIRECTLY OR INDIRECTLY, ANY CLAIM OF PRODUCT LIABILITY, PERSONAL INJURY, OR DEATH ARISING IN ANY WAY OUT OF SUCH MISSION CRITICAL APPLICATION, WHETHER OR NOT INTEL OR ITS SUBCONTRACTOR WAS NEGLIGENT IN THE DESIGN, MANUFACTURE, OR WARNING OF THE INTEL PRODUCT OR ANY OF ITS PARTS.

Intel may make changes to specifications and product descriptions at any time, without notice. Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined". Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The information here is subject to change without notice. Do not finalize a design with this information.

The products described in this document may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Intel Corporation