



# Monthly Specification Update

**Intel<sup>®</sup> Server Board S5400SF**

**Intel<sup>®</sup> Server System SR1560SF**

*Intel Order Number E33567-001*

**December 2007**

**Enterprise Platforms and Services Marketing**

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## *Revision History*

<b>Date</b>	<b>Modifications</b>
Dec 2007	Initial release.

## ***Disclaimers***

The Intel products specified may contain design defects or errors known as errata that may cause the products to deviate from the published specifications. Current characterized errata are documented in this Specification Update.

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## Preface

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This document communicates product Errata and Documentation Changes & Corrections for the following Intel Server Products:

- Intel® Server Board S5400SF
- Intel® Server System SR1500SF

Refer to the *Dual-Core Intel® Xeon® Processor 5000 Sequence Specification Update* (Order Number 313065) for specification updates concerning the Dual-Core Intel® Xeon® Processor 5000 Sequence. Items contained in the *Dual-Core Intel® Xeon® Processor 5000 Sequence Specification Update* that either do not apply to the Monthly Specification Update or have been worked around are noted in this document. Otherwise, it should be assumed that any processor errata for a given stepping are applicable to the Printed Board Assembly (PBA) revisions(s) associated with that stepping.

The following defines items communicated in this document.

**Specification Changes** are modifications to the current published specifications for a given product. These include typos, errors, or omissions. Specified changes will be incorporated in the next release of the document.

**Specification Clarifications** describe a supported feature or function in greater detail or further highlight their impact to a complex design requirement. These clarifications will be incorporated in the next release of the document.

**Errata** are design defects or deviations from current published specifications for a given product. Published errata may or may not be corrected.

- Hardware and software designed to be used with any given processor stepping must assume that all errata documented for that processor stepping are present on all devices.

## Summary Tables of Changes

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The following tables provide an overview of known errata and known document changes that apply to the specified Intel Server Products. The tables use the following notations:

**Doc** Intel intends to update the appropriate documentation in a future revision.

**Fix** Intel intends to correct this erratum.

**Fixed** This erratum has been corrected.

**NoFix** There are no plans to correct this erratum.

**Shaded** This item is new or has been modified from the previous specification update.

**Table 1. Errata Summary**

No.	Plans	Description of Errata
1.	Fix	Returning to the BIOS Setup Utility from EFI causes the system to hang after using the Syscfg utility.
2.	Fix	Platform Confidence Test reports a hard disk test error with BIOS Setup option SATA Mode set to 'Enhanced'.
3.	Fix	After clearing the CMOS, BIOS Setup will report that Open Loop Throughput (OLTT) is set even though memory supporting Closed Loop Thermal Throttling (CLTT) is installed.
4.	Fix	Junk characters appear while listing the directories in DOS.

**Table 2. Documentation Changes**

No.	Plans	Document Name	Description of Documentation Change
1.	Fix	Intel® Server System SR1560SF Quick Start User's Guide	The Quick Start User's Guide makes reference to a product User's Guide which does not exist.

The following sections provide in-depth descriptions of each erratum / documentation change indicated in the tables above. The errata and documentation change numbers referenced in the following sections correspond to the numbers in the tables above.

## Errata

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### 1. Returning to the BIOS Setup Utility from EFI causes the system to hang after using the Syscfg utility.

Problem	After booting into EFI from the BIOS Boot Manager and using the Syscfg utility, typing the “exit” command will cause the screen to go black and the system hangs.
Implication	After using the Syscfg utility in EFI, the system cannot go back to the BIOS Setup Utility.
Status	Under investigation.
Workaround	None.

### 2. Platform Confidence Test reports a hard disk test error with BIOS Setup option SATA Mode set to ‘Enhanced’.

Problem	When using PCT1.04 and setting the SATA Mode to ‘Enhanced’ and the AHCI Mode disabled, PCT will report an ‘HDD Identify’ command error.
Implication	The HDD test tool in PCT may have a defect in SATA ‘Enhanced’ Mode.
Status	This erratum may be fixed in a future PCT revision.
Workaround	None.

### 3. After clearing the CMOS, BIOS Setup will report that Open Loop Throughput (OLTT) is set even though memory supporting Closed Loop Thermal Throttling (CLTT) is installed.

Problem	With CLTT supported DIMMs installed, the BIOS Setup Utility will report that OLTT is enabled. This occurs on the first boot, only after performing a CMOS clear. This is a BIOS Setup reporting issue only; CLTT operation is actually set correctly.
Implication	None; this is a reporting issue in BIOS Setup on a first boot after clearing CMOS.
Status	This will be fixed in the next BIOS release.
Workaround	None.



#### 4. Junk characters appear while listing the directories in DOS.

Problem	If the system is boot to the EFI Shell first and then boot to DOS using the Boot Manager Menu, junk characters appear while listing the directories in DOS. This symptom is not seen if the system is directly booted to DOS.
Implication	The file list under DOS may not be readable.
Status	This will be fixed in next BIOS release.
Workaround	None.

## Documentation Changes

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- 1. The Intel® Server System SR1560SF Quick Start User's Guide makes reference to a product User's Guide that does not exist.**

Planned Correction – The referenced User's Guide will be replaced by the Service Guide.

Status: This will be fixed in the next release of the Quick Start User's Guide.