

intel® Technical Advisory

TA-713-1

5200 NE Elam Young Parkway
Hillsboro, OR 97124

September 10, 2004

'Watchdog timer failed on last boot' intermittent error message displayed during POST on the Intel® Server Board SE7520BD2

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Products Affected

Product Code	MM #
SE7520BD2SCSI	858594
SE7520BD2V	863222
SE7520BD2	858586
BBDBBSCSI	861103
BBDVBB	858578
BBDBBSATA	863169

Description

The Intel Server Board SE7520BD2 has been found to intermittently manifest the following false error message during boot:

Error (8190): Watchdog timer failed on last boot.

The error message falsely conveys that the board failed to execute BIOS code and failed to disable a timer before expiration.

Root Cause

Intel found that this false error message is caused by the onboard platform instrumentation not consistently recognizing the BIOS command to disable the timer. This anomaly is present on the server boards with FRU/SDR version BD-6.2.1 and prior. Currently SE7520BD2 server boards are shipping with FRU/SDR ver 6.4.1 pre-installed from Intel's factory, this version of the FRU/SDR is also included on the Intel Express Installer CD (P.N. C60160--002) shipped with the board.

Corrective Action / Resolution

FRU/SDR version BD-6.4.1 has been developed to address this anomaly on the Intel Server Board SE7520BD2. This update will be available from <http://support.intel.com> on or before September 14, 2004. All customers should refrain from using the FRUSDR available on the Intel Express Installer CD and should update the server board with the version available in the Intel web site above to prevent this anomaly.

Intel will start shipping SE7520BD2 server boards with FRU/SDR version BD-6.4.1 pre-installed from factory and with an updated Intel Express Installer CD in the near future, the exact date to be communicated via the standard Product Change Notification (PCN) process.

Please contact your Intel Sales Representative if you require more specific information about this issue.

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