intel®Technical Advisory

TA-714-1

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September 10, 2004

'Watchdog timer failed on last boot' intermittent error message displayed during POST on the Intel® Server Board SE7520AF2

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Products Affected

Product Code	MM #
SE7520AF2	859101
BAF2HPBB	857127
BAF2BB	856967

Description

The Intel Server Board SE7520AF2 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 updated with FRU/SDR version AF-6.2.1 and earlier. Currently, Intel Server Boards SE7520AF2 are shipping with FRU/SDR ver 6.2.1 pre-installed from Intel's factory, an even earlier version of the FRU/SDR ver 6.1.3 is included on the Intel Express Installer CD (P.N. C60156-003) shipped with the SE7520AF2 board (MM# 859101).

Corrective Action / Resolution

FRU/SDR version AF-6.4.1 has been developed to address this anomaly on the Intel Server Board SE7520AF2. This update will be available from http://support.intel.com on or before September 17, 2004. All customers should refrain from using the FRU/SDR included on the Intel Express Installer CD and should update the server board with the latest version available from the Intel web site above to prevent this anomaly.

Intel will start shipping the Intel Server Board SE7520AF2 with FRU/SDR version AF-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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