

intel® Technical Advisory

TA-0635-1

2800 Center Drive N
Dupont, Wa 98327

February 18, 2003

Intel® Carrier and Industrial Grade Server Board BIOS Flash Chip Not Protected

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Products Affected

Product Name	Product Code
Intel Carrier and Industrial Grade Server TSRLT2	TLA0100
Intel Carrier and Industrial Grade Server TSRLT2	TLD0100
Intel Carrier and Industrial Grade Server TSRLT2	TLA0101
Intel Carrier and Industrial Grade Server TSRLT2	TLD0101
Intel Carrier and Industrial Grade Server TSRMT2	TMA0100
Intel Carrier and Industrial Grade Server TSRMT2	TMD0100
Intel Carrier and Industrial Grade Server TSRMT2	TMA0101
Intel Carrier and Industrial Grade Server TSRMT2	TMD0101
Intel Carrier and Industrial Grade Server board spare	TBXCBBBRD01

Description

Through failure analysis, Intel engineering was able to determine that the Intel® Carrier and Industrial Grade Server on-board flash chip is not protected from inadvertent writes which may cause possible BIOS corruption to occur. If the flash chip becomes corrupted, customers may or may not be able to recover the BIOS using the BIOS Recovery process.

Root Cause

Intel engineering was able to determine that the system BIOS was not enabling protection from inadvertent writes to the on-board BIOS flash chip.

Corrective Action / Resolution

Although Intel believes the risk of inadvertent writes to the BIOS flash chip to be extremely low, Intel has released Production BIOS P22 release 2.xx to address this issue. Production BIOS P22 release 2.xx can be downloaded from Intel's secure web site, IBL, or from the following Intel customer support website:

http://support.intel.com/support/motherboards/server/scb2/latest_bios.htm

Intel recommends customers update their Carrier and Industrial Grade server platforms to Production BIOS P22 release 2.xx or later to protect the system from inadvertent writes to the BIOS flash chip.

Intel will be shipping Carrier and Industrial Grade Server Boards from its factory with a Production BIOS Pxx release 2.xx (yet to be determined) in a planned ECO at a future date. The exact ECO date will be communicated through the standard Product Change Notification (PCN) process.

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