summafour

TECHNICAL BULLETIN

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Audience: Integrated SS7 Customers

Product(s) Affected: Integrated SS7 Systems

Distribution: ___- Critical   _X_- Standard   ___- Special

Purpose of Bulletin

The terminal attached to the SS7 SPARC serial port can cause an SS7 reboot/halt under certain failure conditions. This complication is in the Solaris (or SunOS) operating system, which hangs when the VT console is either powered down or has a power supply failure. The following workarounds can address this issue.

Corrective Action

If the VT terminal is either powered down or has a power supply failure, the serial port receives a signal that causes the processor to reboot/halt. You can address this issue with any of the following workarounds:

1. Disconnect the VT terminal(s) from the SPARC processor serial connection.

    a. Reconnect for active use only.

    -OR-

    b. Leave disconnected and perform all terminal functions via a Telnet session from the host or another connectivity device.

2. Apply a cable fix that uses a resistor between two pins of the serial cable—a 4.7k ohms, .25-watt resistor between pins 3 and 25. Then, reconnect the VT terminal.

CAUTION: This hardware solution is NOT officially supported by Sun.

```
tty       |
port      |2----------->
on Sun    |3-----x-----> to equipment
          |
          |
          |
          |
          |                4.7k ohms, .25-watt resistor
          |
          |
          |
          |
          |25----x
          |
```