

ARCS PROCEDURE:	TERMINAL SERVER REBOOT	PRO(ADAM)-041.000
Author: W. Kornke		January 5, 2001 Page 1 of 2

## Terminal Server Reboot

### I. Purpose:

The Terminal Server is the Cisco2500 series 16 port terminal server mounted near the top of the ADaM rack in the D-Van. The ports are brought out from the Cisco to a 16-position DB25 connector transition panel. The transition panel allows serial instruments using the standard RS-232 DB25 connector to be connected. Since all serial instruments in the field communicate over fiber optic cable, a bit driver is required at the connector panel. The Terminal Server occasionally hangs and requires a power cycle or reload. The following information describes the ways this can be done.

### II. Cautions and Hazards:

None.

### III. Requirements:

None.

### IV. Procedure:

#### A. Symptoms:

1. All serial instruments (skyrad, gndrad, smet, mfrsr) will be "red" on the GOES Health & Status.

#### B. Troubleshooting steps:

1. Remote power cycle using APC script\*
  - The APC is a network programmable power switch mounted in the ADaM rack. The terminal server is plugged into the APC. The script, which resides on ADaM, tells the APC to turn the outlet in which the terminal server is plugged, off then back on

**\*Note: This script is implemented on Manus but NOT Nauru!**

  - a) Dial in to the site via SatPhone data connection.  
*The landline connection won't work.*
  - b) Log on to ADaM and execute "**reboot\_termsvr**".
2. Remote reload using terminal server commands.
  - You can use the terminal server command interface to reboot.
    - a) Dial in to the site via SatPhone or landline (PPP) data connection.

ARCS PROCEDURE:	TERMINAL SERVER REBOOT	PRO(ADAM)-041.000
Author: W. Kornke		January 5, 2001 Page 2 of 2

- b) Telnet to the terminal server "**telnet termsvr**".  
*You will already be in the terminal server if you dialed in PPP.*
- c) If prompted for a password type "**cy6lock**".
- d) Type "**enable**".
- e) You'll be prompted for a password. Type "**cy4lock**".
- f) Reboot the terminal server by typing "**reload**".

3. Local power cycle by Observer

- If dial-in to the sites is not possible, then request a manual power cycle by the Observers.
- Have Observer go to terminal server (the box with lots of green wires coming from it, CAT5 network cable). Locate the power switch (not obvious) and turn it off, then on.

**V. References:**

None.

**VI. Attachments:**

None.