

# KCET ADAM PROBLEMS

## (power supplies & frame)

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ADAM P/S KCET.doc

### Section A, GENERAL

Ref: ADAM Rev D frame  
P/S Mfg's: SCI & CEC

**Symptom :** *Old and new power supplies do not operate concurrently with each other in rev D frames.*

1. Seems to happen in rev D frames, Not rev C.
2. Seems to be slot specific. Right hand supply shuts left hand supply off.
3. Seems to occur when mixing older & newer supplies.
4. Old or new supplies in left slot all work alone.

**TESTING** (These were the findings in our lab using both rev C & rev D frames)

Use rev D frame

- a) Put old or new P/S in left slot.
- b) Put 2<sup>nd</sup> P/S into right slot but do not turn on.
- c) Verify left P/S is still running with right P/S still off.
- d) Turn on right P/S, note left P/S shuts down.
- e) Did not happen with rev C tested in our lab.

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### Section B – KCET, L.A.

**Problem:** (rear fans not running)

1. A maintenance person walked by the coms rack and noticed extreme heat coming from the ADAM frame and the rear fans not running.
2. They noticed one of the power leds on the front of one P/S was dark.
3. They checked voltages and noticed one was gone.
4. The P/S was removed to send back for repair and the fans came up.
5. This now causing them to believe the P/S caused the fan problem.
6. The P/S was sent in for repair & when it was received back, it was plugged in and it took down the on-line P/S. (similar to our test in our in our frames in the office)

7. They called us for HELP !
8. We took down to them one of our P/S for comparison (SSI) & both supplies worked but the fans were shut down again.
9. We substituted other P/S's of theirs and the effect was the same. Didn't matter which mfg.
10. We collectively then concluded it was a frame problem & it will be sent back for repair.
11. Next we took down a new loaner frame, to bail them out.
12. Upon putting the repaired P/S and any other P/S into the new frame, we would loose the other P/S as in Section A of this report.
13. We then concluded the repaired supply had a problem and it should be sent back again & the frame as well.

Is this a unique problem or may it be related older and the new supplies in the same rev D frame ?

In other words, is this a generic problem ?

We have a rev C frame in the office and we can't duplicate the problem with both old & new supplies used concurrently.

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