

ARCS PROCEDURE	CEILOMETER REPLACEMENT	PRO(CEI)-013.000
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Ceilometer Replacement

I. Purpose:

This procedure explains how to replace Ceilometer at ARM ARCS locations in the Tropical Western Pacific locale.

II. Cautions and Hazards:

- Always perform this procedure with one other person (“two-person” rule).

III. Requirements:

None.

IV. Procedure:

A. Replacing Ceilometer

1. Disconnect power to the Ceilometer.
2. Disconnect data and fan/heater connectors.
3. Remove Ceilometer shield with widow heater and fan (loosens with knob above pedestal).
4. Two people remove control unit (loosen metal nuts on tipping axis).
5. Attach new control unit.
6. Attach data and heater fan connectors.
7. Open new Ceilometer door.
8. Turn on two power switches marked power and battery on lower right on power control box (see Attachment 1).
9. Attach power cable.
10. Observe if green and read lights are flashing on LEDs above circuit board container.
11. Check to see if Ceilometer profiles are being obtained:
 - a) If “yes,” close door on Ceilometer and obtain Ceilometer configuration.

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- b) If “no,” there are two possible scenarios:
- ⇒ no flashing lights on inside means a power problem.
 - ⇒ Flashing lights but not Ceilometer profiles means a communication problem (probably different baud rate).

V. References:

1. Ceilometer Shutdown/Restart Procedure, PRO(CEI)-005.

VI. Attachments:

1. Ceilometer Inside View

Attachment 1: Ceilometer Inside View

