

**24 September 1999**



**Maintenance**

**AIRCRAFT GROUND TRAINER**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This instruction implements AFRPD 21-1, *Managing Aerospace Equipment Maintenance*. It establishes procedures for operating the ground trainer, aircraft 61-2368. It applies to all users of this equipment.

**1. Scheduling:**

1.1. 27<sup>th</sup> Aerial Port Squadron (APS) will be the scheduler for use of the ground trainer. Users will contact the 27 APS superintendent one week in advance if used during the week. If user needs the aircraft on a unit training assembly (UTA), the user will contact 27 APS the UTA prior.

1.2. All scheduling of air ground equipment (AGE) will be done through 27 APS. The superintendent at 27 APS will notify the AGE shop at x1342/1390 at least one day prior, to ensure ground support equipment is available to operate the ground trainer (heaters for winter use). The AGE shop will deliver and pick up the heaters when notified by 27 APS.

**2. Security:**

2.1. Security of ground trainer will be controlled by 27 APS. A combination lock will be installed on the crew entrance door. Users will make sure aircraft is secure prior to leaving the ground trainer to include a hands-on check of the paratroop doors, overhead escape hatches, flight deck windows and crew entrance door.

2.2. Users will notify security forces x1100 if use is anticipated after normal duty hours.

**3. Configuration:**

3.1. Users will clean up and stow any equipment they use for training prior to leaving ground trainer.

3.2. Standard configuration prior to leaving the aircraft will have roller conveyors installed and secured to the cargo floor and ramp.

#### 4. Training Requirements:

- 4.1. Only qualified personnel will connect/disconnect external power and operate the electrical panel on the flight deck. This will also apply to electrical/manual operation of the ground trainer cargo ramp and door. All users of the ground trainer must use the appropriate checklist are maintained on the flight deck.
- 4.2. Only qualified personnel will operate the 50kw EPU-6/e power supply or Dash 86 external power generator and other ground equipment such as portable heaters, etc.
- 4.3. A Letter of X's (qualified personnel) will be maintained in the ground trainer forms binder.
- 4.4. Users or anyone knowing of a change in the letter of X's will notify 27 APS of the changes. 27 APS will update and distribute a new letter of X's to 96 AS/DOL, 934 AES/SGA, 934 LG/LGQ, and replace the one in the ground trainer forms binder.
- 4.5. An annual re-qualification evaluation for power on will be required. POC is the Chief Loadmaster, 96 AS/DOL, x1718.

#### 5. Maintenance:

- 5.1. A ground trainer forms binder will be maintained on the ground trainer consisting of the following forms:
  - 5.1.1. AFTO Form 781A, **Maintenance Discrepancy and Work Document.**
  - 5.1.2. AFTO Form 781K, **Aerospace Vehicle Inspection, Engine Data, Calendar Inspection and Delayed Discrepancy Document.**
  - 5.1.3. AMC Form 222, **Aircraft Dash 21 Equipment Inventory.**
- 5.2. The following technical data will be maintained on the aircraft and reviewed every 180 days by the quality assurance office for currency:
  - 5.2.1. 1C-130H-2-05JG-00-1, 05-00-01, Connecting and Disconnecting Electrical Power.
  - 5.2.2. 1C-130H-2-05JG-00-1, 05-00-02, Statically Grounding Airplane.
  - 5.2.3. 1C-130H-2-05JG-00-1, 05-00-12, Pressurizing AUX Hydraulic System.
  - 5.2.4. 1C-130H-2-10JG-00-1, 10-20-01, Mooring Airplane.
  - 5.2.5. 1C-130H-2-25JG-00-1, 25-51-01, Cargo Winch Operational Check.
  - 5.2.6. 1C-130H-2-25JG-00-1, 25-51-02, Cargo Restraint Rails Operational Check.
  - 5.2.7. 1C-130H-2-52JG-30-1, 52-31-01, Cargo Door Operational Check.
  - 5.2.8. 1C-130H-2-52JG-30-1, 52-31-02, Cargo Door (hand pump) Operational Check.
  - 5.2.9. 1C-130H-2-52JG-30-2, 52-32-01, Cargo Ramp Operational Check.
  - 5.2.10. 1C-130H-2-52JG-30-2, 52-32-02, Cargo Ramp (hand pump) Operational Check.
- 5.3. Prior to using ground trainer, the user will review the ground trainer forms binder for open discrepancies, over due inspections, scheduled maintenance and complete a prior to use inspection using the tailored 1C-130A-6WC-13 work cards.

5.4. Any discrepancies or damage to the ground trainer will be annotated on the AFTO Form 781A. The individual that discovers the discrepancy will contact 27 APS, who will notify the debrief/dispatch section (DDS) x 1328 to get a job control number for the repair action.

5.5. A home station check will be accomplished every 180 days using the tailored 1C-130A-6WC-14 work cards and documented in the AFTO Form 781A and K.

5.6. A wash will be accomplished every year and documented in the AFTO Form 781A and K.

5.7. Snow removal will be coordinated with 934 SPTG/CE on an "as needed" basis by 27 APS.

**6. Safety:**

6.1. Safety on and around the ground trainer will be maintained to the highest degree. Treat this ground trainer as if it were an airworthy airframe.

6.2. Notify security forces, x1911 immediately should anyone become injured or ill while using the ground trainer.

6.3. If an emergency with the ground trainer should occur (i.e., electrical fire), evacuate the ground trainer immediately. Turn off the external power and call security forces, x1911.

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Commander