

**11 MAY 2001**

**Maintenance**

**ANTENNA MAINTENANCE**



**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

---

OPR: HQ ACC/SCNS  
(MSgt. LaManual McKinney)  
Supersedes ACCI 21-151, 5 Dec 1997

Certified by: HQ ACC/SCN  
(Colonel Gregory L. Brundidge)

Pages: 4  
Distribution: F

---

This instruction establishes guidance for the use of Air Combat Command (ACC) Centralized Antenna Team (CAT). It implements the direction and guidance found in AFPD 21-1, *Managing Aerospace Equipment Maintenance*, and AFI 21-116, *Maintenance Management of Communications-Electronics*. It applies to all ACC units and ACC-gained Air Force Reserve Command (AFRC) units that have antenna maintenance responsibilities. This publication does not apply to the Air National Guard (ANG). Send comments and suggested improvements to this publication on AF Form 847, **Recommendation for Change of Publication**, through channels, to HQ ACC/SCNS, 180 Benedict Ave, Suite 121, Langley AFB VA 23665-2777. **NOTE:** ACC field supplements to this publication require HQ ACC/SCNS review, coordination, and approval prior to publication.

**SUMMARY OF REVISIONS**

Removes all references to 24 CS, Howard AFB PN. Changes HQ ACC/SCNC to HQ ACC/SCNS. Para 1.1 changes "two CATs to CAT."

**1. Compositions and Mission:**

- 1.1. The CAT in ACC is assigned to the 1 CS, Langley AFB VA. This team is under the operational control of HQ ACC/SC.
- 1.2. The CAT mission is to provide organizational and intermediate (O&I) level and emergency maintenance of fixed antenna systems to the CONUS ACC bases.

**2. Responsibilities:**

- 2.1. HQ ACC/SCNS will:
  - 2.1.1. Provide policy to the CAT.

- 2.1.2. Provide staff surveillance and guidance for antenna maintenance program.
  - 2.1.3. Receive and validate requests for emergency assistance from units.
  - 2.1.4. Review and approve Preventive Maintenance Inspection (PMI) schedules.
- 2.2. The 1 CS CAT will:
- 2.2.1. Perform emergency and corrective maintenance upon request from ACC units.
  - 2.2.2. Provide scheduled maintenance support to ACC units. Inspection, maintenance, and repair actions at these units will include all antennas, counterpoises, transmission lines, and support structures for systems/facilities maintained by ACC units, except antennas used in conjunction with Tactical Air Navigation (TACAN), Instrument Landing System (ILS), VHF Omni Range (VOR), Satellite Communications (SATCOM), Independent Single Sideband Terminal (ISST), dual mode antennas, and microwave mobile tactical equipment. Base Civil Engineering is responsible for any support structures listed on the inventory as real property.
  - 2.2.3. Confirm the maintenance visit by message addressed to the unit SCX/SCM 12 days prior to team arrival. Confirmation message will include name, rank, security clearance, date of arrival, duration of visit, and known unit support requirements.
  - 2.2.4. Provide affected units with antenna inspection schedules IAW TOs 31R1-26GR-251, 31R1-2UR-31, and appropriate technical manuals to ensure proper PMI intervals and allow unit coordination.
  - 2.2.5. Update and provide a 12-month antenna inspection schedule (Jan-Dec) to HQ ACC/SCNS.
  - 2.2.6. Submit CAT manning change requirements through HQ ACC/SCNS for validation and HQ ACC/SCXA for approval.
- 2.3. Units receiving support from CATs will:
- 2.3.1. Budget and fund for all PMIs and technical assistance visits, i.e., all TDY per diem, travel, and materials.
  - 2.3.2. Receive incoming briefings and provide necessary support to the team.
  - 2.3.3. Provide material control assistance on all parts the team requires to include, cranes, trenchers, rental vehicles, etc. When applicable, use highest priority available including, Non-Mission Capable Supply (NMCS).
  - 2.3.4. Be point of contact and representative to the host base for the CAT.
  - 2.3.5. Provide team's logistics and administrative support. Provide team chief with copies of inspection/visit reports (i.e., Quality Control (QC), Inspector General, staff visits, etc.) pertaining to antenna systems.
  - 2.3.6. Provide a liaison with Base Civil Engineers to include obtaining the necessary construction and digging permits, and other required support.
  - 2.3.7. Be responsible for normal maintenance of Communications Systems Installation Records (CSIRs). Accomplish normal Operations and Maintenance changes to CSIRs and make distribution IAW existing directives. CAT will annotate changes to CSIRs dictated by CAT actions and provide to responsible unit QC section.

2.3.8. Take corrective action to clear deficiencies, procure parts/material, etc., as identified in the report.

2.3.9. Obtain all material required for such projects as rehabilitation and one-for-one replacement. The CAT will provide a list of materials to include national stock number (NSN), or part number if no NSN is available, noun, quantity, etc.

2.4. Units not receiving CAT support will:

2.4.1. Have PMIs performed at proper intervals by a qualified agency.

2.4.2. Be responsible for normal maintenance of Communications Systems Installation Records (CSIRs). Accomplish normal Operations and Maintenance changes to CSIRs and make distribution IAW existing directives.

2.4.3. Forward any antenna problems not resolved locally to HQ ACC/SCNS for resolution, along with recommended corrective action.

2.5. The Team Chief will:

2.5.1. Ensure required material and equipment is on hand at the unit being visited prior to travel.

2.5.2. Upon arrival at TDY locations, personally brief the Communications Commander regarding the work required, support requirements, equipment downtime requirements, etc.

2.5.3. During all visits, perform a complete inspection, repair as necessary, and document PMIs accomplished IAW applicable directives. Forward any antenna problems not resolved locally to HQ ACC/SCNS for resolution, along with recommended corrective action.

2.5.4. When parts and material for complete repair are not available on the base, restore the antenna to operational status if possible. Provide systems flight with a complete list of items required to accomplish repair. The supported unit will requisition required items. If required parts are not received prior to the completion of other work, the team will depart and make a return visit after being advised that all parts are on hand.

2.5.5. During scheduled PMI visits, ensure all antennas are identified and labeled and antenna CSIRs are available and accurate.

2.5.6. Prepare AFTO Form 217, Certificate of Mobile Depot Maintenance Accomplished, to document work performed at each facility and site.

**3. Acceptance of Completed Work.** The team chief will prepare AFTO Form 217 in two copies. The team chief and systems flight commander of the serviced unit will sign the AFTO Form 217. The team chief will keep one copy and distribute one copy to the unit serviced.

#### **4. Emergency, Urgent, and Routine Maintenance:**

4.1. Requests for emergency maintenance that require TDY assistance may be requested by telecon with a follow-up message or letter to HQ ACC/SCNS. Submit requests for urgent or routine maintenance in writing to HQ ACC/SCNS IAW TO 00-25-108, figure 2-6.

4.2. The 55 GCCS, Elkhorn NE, Antenna Maintenance work center, will maintain the antennas at Scriber Air Station, Elkhorn, and Silver Creek sites.

**5. Correspondence:** Except as noted in section 4 of this instruction, direct coordination between units and the antenna maintenance team is encouraged.

JOHN P. JUMPER, General, USAF  
Commaner