

***NATIONAL WEATHER SERVICE INSTRUCTION 30-2106
DECEMBER 25 2003***

***Maintenance, Logistics, and Facilities
Systems/Equipment Maintenance, NWSPD 30-21***

RADAR MAINTENANCE

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Signed by Douglas F. Hess for 12/10/03

John McNulty, Jr.

Date

Director, Office of Operational
Systems

Radar Equipment

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1 Introduction. This instruction establishes specific equipment maintenance procedures through the use of established technical documentation for radar, Engineering Handbook 6 (EHB-6) (e.g., technical manuals, maintenance notes, modification notes).

2 Procedures. Procedures stated in National Weather Service Instruction (NWSI) 30-2101, *System Maintenance Management*, governs maintenance of equipment as modified to meet the requirements of the tri-agency Memorandum of Agreement dated September 2001. NWS field personnel will maintain radar equipment as described in this instruction. Maintenance will be accomplished following guidance in authorized technical manuals, modification and maintenance notes as defined in EHB-6. Maintenance reporting will follow instructions contained in NWSI 30-2104, *Maintenance Data Documentation*.

3 Organization. Maintenance services for radar equipment are focused at the local level, with augmenting capabilities at the regional and national levels.

4 Responsibilities. Organizational responsibilities are presented in a “bottoms-up” approach because of the field focus of this document.

4.1 Field Office. Field operations staff are responsible for notifying site electronics maintenance staff using the Engineering Management Reporting System (EMRS) as prescribed in NWSI 30-2104. Resolve concurrent outages following the instructions in NWSI 30-2101, Section 3.2, Maintenance Priorities.

4.2 Electronics Technician. Site electronics staff are responsible for restoring radar equipment to operational status, returning defective components, ordering replacement spares,

and reporting on maintenance services provided. Work will be performed in conformance to priorities established by the Electronic Systems Analyst (ESA) or Meteorologist-in-Charge (MIC).

4.3 Regional Headquarters (RHQ). RHQ coordinates resources for radar equipment as needed to support non-standard (e.g., emergency) service requirements.

4.4 National Weather Service Headquarters (WSH). WSH support for these systems/equipment is distributed among several organizations within the Office of Operational Systems (OOS). The Program Branch (OPS42) is responsible for generating/coordinating and providing modification and maintenance documentation and processing kits for field use; the Engineering Branch (OPS43) is responsible for equipment modification design.

5 Documentation.

5.1 Maintenance Reporting. Maintenance or operational personnel at the field office responsible for the radar equipment will accurately document the time and nature of equipment failures in EMRS following the instructions in NWSI 30-2104.

5.2 Maintenance and Technical Documents. Maintenance of radar equipment will be accomplished following authorized guidance (e.g., technical manuals, modification notes, maintenance notes). Centralized web access to EHB-6 (i.e., maintenance procedures, technical documentation, modification and maintenance notes) is provided at:
<http://www.ops1.nws.noaa.gov/EHBS.HTM>.