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DIRECTIVES FOR AEROLOGICAL SOUNDING EQUIPMENT

PART 01 Equipment Manuals

Equipment or systems manuals are provided with each piece of operational equipment used in the National Weather Service (NWS). Each manual includes sufficient instructions to enable technicians to satisfactorily install, adjust, activate, and perform routine and emergency maintenance, and easily identify components for ordering replacements. At a minimum, manuals contain information regarding:

- a. Description and characteristics of the equipment
- b. Location and installation requirements
- c. Activation, adjustment, and operation procedures
- d. Function of circuits
- e. preventive and troubleshooting maintenance procedures
- f. detailed circuit diagrams
- g. detailed parts list indicating parts numbers with mechanical and electrical descriptions.

Manuals are issued by the National Weather Service Headquarters (WSH), Maintenance Branch whenever new equipment is installed, when sufficient changes in manual material require a complete revision, or by request from authorized personnel whose responsibilities have changed thus requiring access to additional technical material. Manuals normally are revised when change in technical procedures, and suggestions from the field requesting clarification of information.

Equipment manuals in the aerological sounding equipment are distributed selectively. Normally, only those electronics technicians actually maintaining equipment are issued manuals. One copy is provided with the equipment and remains in the custody of the station. All regional headquarters automatically receive copies for use in program management.

Recipients of equipment manuals are responsible for their upkeep, including filing revised material, and ensuring they are current. The electronics systems analyst periodically checks the electronics technicians' manuals for completeness and has the responsible person request any missing revisions. Request for manuals should be made through the regional headquarters to the WSH Maintenance Branch.