ORDER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

6470.33

1/28/82

SUBJ: CONTROL OF SPACE AT AIR ROUTE TRAFFIC CONTROL CENTERS

1. PURPOSE. This order establishes the management of space in air route traffic control center (ARTCC) buildings. It defines which space and functions are to be controlled, defines the method of initial documentation, and assigns responsibility for management of the space control process.

2. DISTRIBUTION. This order is distributed to the Associate Administrator for Air Traffic and Airway Facilities; to division level in the Airway Facilities, Air Traffic, and Systems Research and Development Services and Office of Aviation Medicine in Washington headquarters; branch level in regional Airway Facilities, Air Traffic, and Aviation Medicine divisions; to director level at the FAA Technical Center and Aeronautical Center; and to Air Route Traffic Control Centers and Air Route Traffic Control Center sectors.

3. BACKGROUND.

a. At the conclusion of the ARTCC Phase II expansion and modernization program, the twenty conterminous centers contained the equipment and environment to provide for the automated control of en route traffic. Similarly, the Anchorage and Honolulu ARTCCs and the San Juan Combined Center and Radar Approach Control (CERAP) were equipped with automation equipment. With the differences in building size, configuration, and computer equipment installed, standardization of all centers was not completely achievable.

b. Since that time, in addition to enhancement of the basic automation equipment and the installation of direct access radar channel (DARC), several new systems and/or subsystems are planned for installation during the 1980-1990 time period. Among these are the FSS Data Processing System (FSDPS), National Airspace Data Interchange Network (NADIN) concentrator, DARC enhancement, Maintenance Processor Subsystem (MPS) of the Remote Maintenance Monitoring System (RMMS), Remote Radar Weather Display System (RRWDS), Voice Switching Communications System (VSCS), cryptographic replacement, and replacement of the 9020 computer. Providing the required space through an orderly and timely transition can best be achieved through centralized space management.

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Initiated By: AAF-510

4. ACTION.

a. The Associate Administrator for Air Traffic and Airway Facilities is designated as configuration manager of controlled space in the ARTCC and CERAP buildings covered under this order.

b. The regional Airway Facilities divisions shall submit current as-built reproducible drawings of the floor plans of the center and CERAP buildings. These drawings shall be of a level of architectural detail to depict walls, partitions, dimensions, and room usage, and should be to a scale of 1/8 inch equals one foot. In addition, separate drawings shall be submitted of equipment and console layouts in the following areas: control rooms, electronic equipment rooms and automation equipment rooms. Any site peculiar or temporarily installed equipment shall be so noted. These drawings should be to a scale of 1/4 inch equals one foot and to a level of detail to depict equipment types and dimensions, clearances, workshops and storage areas, and direct support equipment such as work benches and parts storage cabinets. Drawings shall be submitted for the conterminous ARTCCs, those at Anchorage, Honolulu, and the San Juan CERAP, within 120 days of receipt of this order.

c. The Environmental Systems Division, AAF-500, shall prepare a case file, National Airspace System Change Proposal, depicting the baseline documentation for each center/CERAP using the floor plans and layouts referenced in paragraph 4b and submit them to the Assoicate Administrator for Air Traffic and Airway Facilities, ATF-1, for configuration control action.

5. CONTROLLED SPACE.

a. Controlled areas covered under this order are hereby defined as: electronic (radar and communication) rooms, computer equipment rooms, and direct support spaces within these areas such as offices, maintenance shops, and equipment part storage areas. Operations rooms are also covered under this order with the exception of the areas listed below.

b. Operations room floor areas utilized for the control of air traffic or the direct support of air traffic control operations or training are excluded from the configuration management provisions of this order.

c. The assignment and management of administrative, training, and support space shall be in accordance with the standards in the latest edition of Order 4660.1, Real Property.

d. Controlled space shall be used exclusively for the intended functions. No other permanent activity or equipment shall be allowed without obtaining prior approval of the configuration manager.

e. Proposals for changes to the assigned functions of the controlled space, or the installation of new equipment or systems in controlled space shall be submitted to the Associate Administrator for Air Traffic and Airway Facilities, ATF-1, through the Chief, Environmental Systems Division, AAF-500, for approval in accordance with the procedures in the latest edition of Order 1800.8, National Airspace System Configuration Management.

6. BASELINE DOCUMENTATION. Documentation shall be in accordance with Order 1800.8 and as specified by this order. The control documents establishing baseline configuration shall consist of the drawings described in paragraph 4b along with a narrative description of operations and equipment in the applicable areas. Any proposed permanent change in baseline configuration of space, equipment, or function shall follow the procedures specified in Order 1800.8.

JAMES BISPO
Associate Administrator for
Air Traffic and Airway Facilities