series airplanes modified by the ARINC Aeroscpace Company.

These proposed special conditions require that (1) all characteristics of the rechargeable lithium ion batteries and battery systems and their installation that could affect safe operation of the Boeing Model 777–200, –300, and –300ER series airplanes are addressed, and (2) appropriate instructions for continued airworthiness, which include maintenance requirements, are established to ensure the availability of electrical power from the batteries when needed.

In lieu of the requirements of 14 CFR 25.1353(b)(1) through (b)(4) at Amendment 25–113, the following special conditions apply. Rechargeable lithium ion batteries and battery systems on Boeing Model 777–200, –300, and –300ER series airplanes must be designed and installed as follows:

(1) Safe cell temperatures and pressures must be maintained during any foreseeable charging or discharging condition and during any failure of the charging or battery monitoring system not shown to be extremely remote. The lithium ion batteries and battery systems must preclude explosion in the event of those failures.

(2) Design of the lithium ion batteries and battery systems must preclude the occurrence of self-sustaining uncontrolled increases in temperature or pressure.

(3) No explosive or toxic gases emitted by any lithium ion batteries and battery systems in normal operation, or as the result of any failure of the battery charging system, monitoring system, or battery installation that is not shown to be extremely remote, may accumulate in hazardous quantities within the airplane.

(4) Installations of lithium ion batteries and battery systems must meet the requirements of § 25.863(a) through (d).

(5) No corrosive fluids or gases that may escape from any lithium ion batteries and battery systems may damage surrounding structure or any adjacent systems, equipment, or electrical wiring of the airplane in such a way as to cause a major or more severe failure condition, in accordance with § 25.1309(b) and applicable regulatory guidance.

(6) Each lithium ion battery and battery system must have provisions to prevent any hazardous effect on structure or essential systems caused by the maximum amount of heat the battery can generate during a short circuit of the battery or of its individual cells.

(7) Lithium ion batteries and battery systems must have a system to control the charging rate of the battery automatically, so as to prevent battery overheating or overcharging, and:

(i) A battery temperature sensing and over-temperature warning system with a means for automatically disconnecting the battery from its charging source in the event of an over-temperature condition, or,

(ii) A battery failure sensing and warning system with a means for automatically disconnecting the battery from its charging source in the event of battery failure.

(8) Any lithium ion battery and battery system whose function is required for safe operation of the airplane must incorporate a monitoring and warning feature that will provide an indication to the appropriate flight crewmembers whenever the state-of-charge of the batteries has fallen below levels considered acceptable for dispatch of the airplane.

(9) The instructions for continued airworthiness required by § 25.1529 must contain maintenance requirements to assure that the lithium ion batteries are sufficiently charged at appropriate intervals specified by the battery manufacturer and the equipment manufacturer. The instructions for continued airworthiness must also contain procedures for the maintenance of batteries in spares storage to prevent the replacement of batteries with batteries that have experienced degraded charge retention ability or other damage due to prolonged storage at a low state of charge. Replacement batteries must be of the same manufacturer and part number as approved by the FAA. Precautions should be included in the instructions for continued airworthiness maintenance instructions to prevent mishandling of the rechargeable lithium ion batteries and battery systems, which could result in short-circuit or other unintentional impact damage caused by dropping or other destructive means that could result in personal injury or property damage.

Note 1: The term “sufficiently charged” means that the battery will retain enough of a charge, expressed in ampere-hours, to assure that the battery cells will not be damaged. A battery cell may be damaged by lowering the charge below a point where there is a reduction in the ability to charge and retain a full charge. This reduction would be greater than the reduction that may result from normal operational degradation.

Note 2: These special conditions are not intended to replace § 25.1353(b) at Amendment 25–115 in the certification basis of Boeing Model 777–200, –300, and –300ER series airplanes. These special conditions apply only to rechargeable lithium ion batteries and battery systems and their installations. The requirements of § 25.1353(b) at Amendment 25–113 remain in effect for batteries and battery installations on Boeing Model 777–200, –300, and –300ER series airplanes that do not use rechargeable lithium ion batteries.

Issued in Renton, Washington, on August 16, 2013.

Jeffrey E. Duven, Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

DEPARTMENT OF TRANSPORTATION
Federal Aviation Administration

14 CFR Part 71


Proposed Amendment of Class D and E Airspace, and Establishment of Class E Airspace; Salisbury, MD

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: This action proposes to amend Class D and Class E airspace, and establish Class E airspace at Salisbury-Ocean City Wicomico Regional Airport, Salisbury, MD, due to the decommissioning of the Salisbury VHF Omnidirectional Radio Range Tactical Air Navigation Aid (VORTAC) and cancellation of the VOR approach. This action would enhance the safety and airspace management of Instrument Flight Rules (IFR) operations at the airport. This action also would update the airport’s geographic coordinates and change the Class D city designator.

DATES: Comments must be received on or before October 7, 2013.

ADDRESSES: Send comments on this rule to: U.S. Department of Transportation, Docket Operations, West Building Ground Floor, Room W12–140, 1200 New Jersey SE., Washington, DC 20590–0001; Telephone: 1–800–647–5527; Fax: 202–493–2251. You must identify the Docket Number FAA–2013–0449; Airspace Docket No. 13–AEA–8, at the beginning of your comments. You may also submit and review received comments through the Internet at http://www.regulations.gov. You may review the public docket containing the rule, any comments received, and any final disposition in person in the Dockets Office (see
The FAA has determined that this rulemaking is promulgated under the authority of the FAA Administrator. Title 49 of the United States Code, Subtitle I, Section 106 describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the agency's authority. This proposed rulemaking is promulgated under the authority described in Subtitle VII, Part A, Subpart I, Section 40103. Under that section, the FAA is charged with prescribing regulations to assign the use of airspace necessary to ensure the safety of aircraft and the efficient use of airspace. This proposed regulation is within the scope of that authority as it would amend Class D and E airspace at Salisbury-Ocean City Wicomico Regional Airport, Salisbury, MD. This proposal will be subject to an environmental analysis in accordance with FAA Order 1050.1E, “Environmental Impacts: Policies and Procedures” prior to any FAA final regulatory action.

Lists of Subjects in 14 CFR Part 71

Airspace, Incorporation by reference, Navigation (air).

The Proposed Amendment

In consideration of the foregoing, the Federal Aviation Administration proposes to amend 14 CFR part 71 as follows:

PART 71—DESIGNATION OF CLASS A, B, C, D, AND CLASS E AIRSPACE AREAS; AIR TRAFFIC SERVICE ROUTES; AND REPORTING POINTS

1. The authority citation for part 71 continues to read as follows:


§ 71.1 [Amended]

2. The incorporation by reference in 14 CFR 71.1 of Federal Aviation
Paragraph 5000  Class D airspace.

Paragraph 6002  Class E airspace designated as surface areas.

Paragraph 6004  Class E airspace designated as an extension to a Class D surface area.

Paragraph 6005  Class E airspace areas extending upward from 700 feet or more above the surface of the earth.

Paragraph 6005  Class E airspace areas extending upward from 700 feet or more above the surface of the earth.

SUPPLEMENTARY INFORMATION:

Comments Invited

Interested persons are invited to comment on this rule by submitting such written data, views, or arguments, as they may desire. Comments that provide the factual basis supporting the views and suggestions presented are particularly helpful in developing reasoned regulatory decisions on the proposal. Comments are specifically invited on the overall regulatory, aeronautical, economic, environmental, and energy-related aspects of the proposal.

Communications should identify both docket numbers (FAA Docket No. FAA–2013–0431; Airspace Docket No. 13–ASO–7) and be submitted in triplicate to the Docket Management System (see ADDRESSES section for address and phone number). You may also submit comments through the Internet at http://www.regulations.gov. Persons wishing the FAA to acknowledge receipt of their comments on this action must submit with those comments a self-addressed stamped postcard on which the following statement is made: “Comments to Docket No. FAA–2013–0431; Airspace Docket No. 13–ASO–7.” The postcard will be date/time stamped and returned to the commenter.

All communications received before the specified closing date for comments will be considered before taking action on the proposed rule. The proposal contained in this notice may be changed in light of the comments received. A report summarizing each substantive public contact with FAA personnel concerned with this rulemaking will be filed in the docket.

Availability of NPRMs

An electronic copy of this document may be downloaded from and comments submitted through http://www.regulations.gov. Recently published rulemaking documents can also be accessed through the FAA’s Web page at http://www.faa.gov/airports_airtraffic/air_traffic/publications/airspace_amendments/. You may review the public docket containing the proposal, any comments received and any final disposition in person in the Dockets Office (see ADDRESSES section for address and phone number) between 9:00 a.m. and 5:00 p.m., Monday through Friday, except Federal Holidays. An informal docket may also be examined between 8:00 a.m. and 4:30 p.m., Monday through Friday, except Federal Holidays, at the office of the Eastern Service Center, Federal Aviation Administration, room 350, 1701 Columbia Avenue, College Park, Georgia 30337.

Persons interested in being placed on a mailing list for future NPRM’s should contact the FAA’s Office of Rulemaking, (202) 267–9677, to request a copy of Advisory Circular No. 11–1A, Notice of Proposed Rulemaking distributor, which describes the application procedure.