

WASHINGTON STATE AERONAUTICS COMMISSION

FEB 17 1964

REGULATION NO. 4

Rockets and Missiles

CODE REVISER'S OFFICE
DOCKET # 828 FILE # 5

WHEREAS the firing of home made or organizational built rockets or missiles into the airspace overlying the State of Washington, without proper directional controls, guidance, or knowledge of whether the contrivances will represent a hazard to persons or aircraft traveling through the air or to persons or property on the ground, points to the need of regulations commensurate with and for the purpose of protecting and insuring the general public interest and safety of persons operating, using or traveling in aircraft, and the safety of persons and property on land or water;

NOW, THEREFORE, under the powers and jurisdiction vested in the Washington State Aeronautics Commission for and on behalf of the State of Washington, it is deemed necessary for the purpose of assuring the safety of all persons, to issue the following order relating to the firing or propelling of any self-propelled contrivances now known or hereafter invented, which are not manned or piloted, through the sovereign airspace of and over this state.

IT IS HEREBY ORDERED that no self-propelled, unmanned or unpiloted missile, projectile, object or contrivance shall be fired or projected from within the borders of Washington into and through the airspace without first obtaining a permit from the Washington State Aeronautics Commission for each such firing or projecting of rockets or missiles. Such applications for permits shall clearly set forth the dimensions, propellant, means of directional control, name of supervisor, proposed place of firing, proposed time of firing, proposed date of firing, and the name of the person or group seeking such permit. The issuance of permits may be granted for operations or launchings from predetermined land areas which offer the least hazard to the general public, said areas to be approved by the Commission, upon proper notice being given to the public and to air users.

Nothing contained in this order shall be construed to in any way interfere with or to limit the rights of the government of the United States, or the State of Washington, or any instrumentalities thereof, from conducting such tests and experiments as they may deem necessary.

This order is not to be construed as a deterrent to the enthusiasm, scientific endeavor or supervised experiments of citizens of the State of Washington. It is promulgated in the interest of bringing order, system and proper safety practices into being, to prevent tragedies.

Authority of this order is derived from RCW 14.04.010 and RCW 14.04.070.

At the January 31, 1964 Commission meeting in Seattle, Washington, the following RULES AND REGULATIONS OF THE STATE FIRE MARSHAL RELATING TO MODEL AND EXPERIMENTAL ROCKETRY were approved as an addendum to the above Regulation No. 4.

RULES AND REGULATIONS OF THE STATE FIRE MARSHAL RELATING TO MODEL AND EXPERIMENTAL ROCKETRY authorized by Chapter 70.77.250(3)(a) of the Revised Code of Washington (Section 27, Chapter 228, Laws of 1961) LEE I. KUECKELHAN, State Insurance Commissioner, Ex Officio State Fire Marshal.

The following definitions apply to this regulation:

- I. A. "Fireworks regulations"--those regulations denominated "Rules and Regulations of the State Fire Marshal relating to Fireworks" adopted by the Washington State Fire Marshal effective June 6, 1962.
- B. "Model rocketry"--that form of amateur rocketry involving the firing of ballistic models that ascend into the air without use of aerodynamic lifting forces against gravity; that are propelled by means of a model rocket engine; that include a recovery device which returns them safely to the ground in a condition

to fly again, and that contain no substantial metallic parts. No model rocket shall exceed a gross or launching weight of 16 ounces, including the weight of the model rocket engine. Contrivances of an inflammable or explosive nature, the primary purpose of which is the production of a spectacular display of color, sound, light, or any combination thereof, shall not be considered to be model rockets and their use shall not be considered within the definition of model rocketry.

- C. "Model rocket engine"-- a solid propellant rocket engine produced by a commercial manufacturer in which all chemical ingredients of a combustible nature are pre-mixed and ready for use, and whose weight, including the casing, does not exceed 4 ounces.
 - D. "Experimental rocketry"--all forms of amateur rocketry not within the meaning of section I (B) of this regulation.
 - E. "Certified amateur rocketry coordinator"--an adult certified by the Washington State Aeronautics Commission as being qualified to supervise persons engaged in the pursuit of experimental or model rocketry, and who has been granted a pyrotechnic operator's rockets first class license by the state fire marshal.
 - F. "Certified model rocketry coordinator"--an adult certified by the Washington State Aeronautics Commission as being qualified to supervise persons engaged in the pursuit of model rocketry, and who has been granted a pyrotechnic operator's rockets second class or first class license by the state fire marshal.
 - G. "Model rocket engine manufacturer"--a manufacturer of model rocket engines, defined in section I(C) of this regulation, who is not otherwise engaged in the manufacture of fireworks.
- II. Experimental rocketry shall be conducted only under the supervision of a certified amateur rocketry coordinator.
 - III. Model rocketry shall be conducted only under the supervision of a certified amateur or model rocket coordinator.
 - IV. The governing body of a city or county shall charge no fee for the issuance to a certified amateur rocketry coordinator of a permit to make, construct, fabricate, produce, possess, and discharge an experimental rocket.
 - V. The state fire marshal shall charge no fee for the issuance to a certified amateur or model rocket coordinator of an importer's license to import model rocket engines.
 - VI. The governing body of a city or county shall charge no fee for the issuance of a permit to import, possess, or discharge model rocket engines.
 - VII. Model rocket engines shall be sold, consigned, and shipped (other than through the normal channels for the shipment of dangerous fireworks) only to a certified coordinator first class or second class.
 - VIII. A model rocket engine manufacturer shall be duly licensed as a manufacturer of fireworks in all respects except as to the payment of the fee. Such a manufacturer shall pay a fee of \$500.00 or 2 percent of its gross sales within the State of Washington for the license year, whichever amount is less. Such a manufacturer shall make a deposit of \$500 with the state fire marshal at the time that the license is requested and shall certify to the state fire marshal the amount of its gross sales in the State of Washington at the end of the license period so that proper refund, if any, of such deposit can be made.
 - IX. All launching of experimental rockets or missiles shall be under the direct supervision of a certified amateur rocketry coordinator and shall be conducted only from sites approved by the Washington State Aeronautics Commission. All launchings of model rockets or missiles shall be under the direct supervision of a certified amateur or model rocketry coordinator and shall be conducted only from sites approved by the Washington State Aeronautics Commission.

- X. The launching site procedures of experimental rocketry shall conform with section 99 of the fireworks regulations. The model rocketry launching procedures for each launch site shall be developed and approved by a certified amateur or model rocketry coordinator.
- XI. The certified amateur or model rocketry coordinator shall be responsible for the transportation and storage of all model rocket engine units. A certified amateur rocketry coordinator shall be responsible for the transportation and storage of all combustible materials used in the formulation of fuels for experimental rockets. The transportation and storage of these items shall conform to the standards established in the fireworks regulations for the transportation and storage of dangerous fireworks generally.
- XII. The public shall not be invited to view the launching of experimental rockets. Whenever the public is invited to view the launching of model rockets, all provisions of the fireworks regulations relating to the public display of dangerous fireworks shall apply, including all license and permit fees, and the requirements of a surety bond or liability policy pursuant to RCW 70.77.285 and 70.77.295.
- XIII. All model and experimental rocket procedures shall fully comply with all pertinent regulations adopted by the Washington State Aeronautics Commission.
- XIV. Any person violating any of these rules and regulations is subject to RCW 70.77.540 and 70.77.545.

(a) RCW 70.77.540 provides:

Any person violating any of the provisions of this chapter or any rules or regulations issued thereunder is guilty of a misdemeanor, and upon conviction shall be punished by a fine of not less than five hundred dollars nor more than one thousand dollars, or by imprisonment in the county jail for not exceeding one year, or by both such fine and imprisonment.

(b) RCW 70.77.545 provides:

A person is guilty of a separate offense for each day during which he commits, continues, or permits a violation of any provision of, or any order, rule, or regulation made pursuant to this chapter.