§ 437.23 Program description.

(a) An applicant must provide—

(1) Dimensioned three-view drawings or photographs of the reusable suborbital rocket; and

(2) Gross liftoff weight and thrust profile of the reusable suborbital rocket;

(b) An applicant must describe—

(1) All reusable suborbital rocket systems, including any structural, flight control, thermal, pneumatic, hydraulic, propulsion, electrical, environmental control, software and computing systems, avionics, and guidance systems used in the reusable suborbital rocket;

(2) The types and quantities of all propellants used in the reusable suborbital rocket;

(3) The types and quantities of any hazardous materials used in the reusable suborbital rocket;

(4) The purpose for which a reusable suborbital rocket is to be flown; and

(5) Each payload or payload class planned to be flown.

§ 437.25 Flight test plan.

An applicant must—

(a) Describe any flight test program, including estimated number of flights and key flight-safety events.

(b) Identify and describe the geographic coordinates of the boundaries of one or more proposed operating areas where it plans to perform its flights and that satisfy §437.57(b) of subpart C. The FAA may designate one or more exclusion areas in accordance with §437.57(c) of subpart C.

(c) For each operating area, provide the planned maximum altitude of the reusable suborbital rocket.

§ 437.27 Pre-flight and post-flight operations.

An applicant must demonstrate how it will meet the requirements of §437.53(a) and (b) to establish a safety clear zone and verify that the public is outside that zone before and during any hazardous operation.