

## § 437.1

## 14 CFR Ch. III (1–1–08 Edition)

### PROGRAM DESCRIPTION

437.23 Program description.

### FLIGHT TEST PLAN

437.25 Flight test plan.

### OPERATIONAL SAFETY DOCUMENTATION

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437.29 Hazard analysis.

437.31 Verification of operating area containment and key flight-safety event limitations.

437.33 Landing and impact locations.

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### Subpart A—General Information

#### § 437.1 Scope and organization of this part.

(a) This part prescribes requirements for obtaining an experimental permit.

It also prescribes post-permitting requirements with which a permittee must comply to maintain its permit. Part 413 of this subchapter contains procedures for applying for an experimental permit.

(b) Subpart A contains general information about an experimental permit. Subpart B contains requirements to obtain an experimental permit. Subpart C contains the safety requirements with which a permittee must comply while conducting permitted activities. Subpart D contains terms and conditions of an experimental permit.

#### § 437.3 Definitions.

*Anomaly* means a problem that occurs during verification or operation of a system, subsystem, process, facility, or support equipment.

*Envelope expansion* means any portion of a flight where planned operations will subject a reusable suborbital rocket to the effects of altitude, velocity, acceleration, or burn duration that exceed a level or duration successfully verified during an earlier flight.

*Exclusion area* means an area, within an operating area, that a reusable suborbital rocket's instantaneous impact point may not traverse.

*Key flight-safety event* means a permitted flight activity that has an increased likelihood of causing a launch accident compared with other portions of flight.

*Operating area* means a three-dimensional region where permitted flights may take place.

*Permitted vehicle* means a reusable suborbital rocket operated by a launch or reentry operator under an experimental permit.

*Reentry impact point* means the location of a reusable suborbital rocket's instantaneous impact point during its unpowered exoatmospheric suborbital flight.

#### § 437.5 Eligibility for an experimental permit.

The FAA will issue an experimental permit to a person to launch or reenter a reusable suborbital rocket only for—

(a) Research and development to test new design concepts, new equipment, or new operating techniques;