§ 101.29 Information requirements.

(a) Class 2—High-Power Rockets. When a Class 2—High-Power Rocket requires a certificate of waiver or authorization, the person planning the operation must provide the following information:

(1) Estimated number of rockets,
(2) Type of propulsion (liquid or solid), fuel(s) and oxidizer(s),
(3) Description of the launcher(s) planned to be used, including any airborne platform(s),
(4) Description of recovery system,
(5) Highest altitude, above ground level, expected to be reached,
(6) Launch site latitude, longitude, and elevation, and
(7) Any additional safety procedures that will be followed.

(b) Class 3—Advanced High-Power Rockets. When a Class 3—Advanced High-Power Rocket requires a certificate of waiver or authorization, the person planning the operation must provide the following information:

(1) Estimated number of rockets,
(2) Type of propulsion (liquid or solid), fuel(s) and oxidizer(s),
(3) Description of the launcher(s) planned to be used, including any airborne platform(s),
(4) Description of recovery system,
(5) Highest altitude, above ground level, expected to be reached,
(6) Launch site latitude, longitude, and elevation, and
(7) Any additional safety procedures that will be followed.


When operating Class 2—High Power Rockets or Class 3—Advanced High Power Rockets, you must comply with the General Operating Limitations of §101.23. In addition, you must not operate Class 2—High Power Rockets or Class 3—Advanced High Power Rockets—

(a) [redacted];
(b) [redacted];
(c) [redacted];
(d) Between sunset and sunrise without prior authorization from the FAA;
(e) Within 9.26 kilometers (5 nautical miles) of any airport boundary without prior authorization from the FAA;
(f) In controlled airspace without prior authorization from the FAA;
(g) Unless you observe the greater of the following separation distances from any person or property that is not associated with the operations:
(1) Not less than one-quarter the maximum expected altitude;
(2) 457 meters (1,500 ft.);
(h) Unless a person at least eighteen years old is present, is charged with ensuring the safety of the operation, and has final approval authority for initiating high-power rocket flight; and
(i) Unless reasonable precautions are provided to report and control a fire caused by rocket activities.

§ 101.27 ATC notification for all launches.

No person may operate an unmanned rocket other than a Class 1—Model Rocket unless that person gives the following information to the FAA ATC facility nearest to the place of intended operation no less than 24 hours before and no more than three days before beginning the operation:

(a) The name and address of the operator; except when there are multiple participants at a single event, the name and address of the person so designated as the event launch coordinator, whose duties include coordination of the required launch data estimates and coordinating the launch event;
(b) Date and time the activity will begin;
(c) Radius of the affected area on the ground in nautical miles;
(d) Location of the center of the affected area in latitude and longitude coordinates;
(e) Highest affected altitude;
(f) Duration of the activity;
(g) Any other pertinent information requested by the ATC facility.

§ 101.29 Information requirements.

(a) Class 2—High-Power Rockets. When a Class 2—High-Power Rocket requires a certificate of waiver or authorization, the person planning the operation must provide the information below:

(1) Estimated number of rockets,
(2) Type of propulsion (liquid or solid), fuel(s) and oxidizer(s),
(3) Description of the launcher(s) planned to be used, including any airborne platform(s),
(4) Description of recovery system,
(5) Highest altitude, above ground level, expected to be reached,
(6) Launch site latitude, longitude, and elevation, and
(7) Any additional safety procedures that will be followed.

(b) Class 3—Advanced High-Power Rockets. When a Class 3—Advanced High-Power Rocket requires a certificate of waiver or authorization, the person planning the operation must provide the information below:

(1) Estimated number of rockets,
(2) Type of propulsion (liquid or solid), fuel(s) and oxidizer(s),
(3) Description of the launcher(s) planned to be used, including any airborne platform(s),
(4) Description of recovery system,
(5) Highest altitude, above ground level, expected to be reached,
(6) Launch site latitude, longitude, and elevation, and
(7) Any additional safety procedures that will be followed.