

URRF BFR Guidelines/Registration

What is a BFR?

The biggest rockets you'll see flown at Potter are BFRs. They fly on complex L or single M-O motors (single motors that equate to between 2000 and 4000 Estes A motors) and are usually very heavy. They carry multiple electronic altimeters to control parachute deployment.

Do I have to register my rocket as a BFR?

Yes, if you plan to fly a rocket with a motor or motors that has 5000 NS or more, we would appreciate you register it as a BFR. The Potter field is generally limited to a single O. Clusters and airstarts are allowed. So if you have a complex L or single M – O, you have a BFR. (Note; Even 4 big K motors can end up with more than 5000 NS). If you show up with a 5K+ Ns rocket that you have not pre-registered, your flight will be allowed only at the discretion of the L3 RSO's and the BFR Managers. If your rocket will exceed 15K and need a call-in window we would appreciate that you register it as a BFR too.

General Guidelines

The Potter waiver is 15000ft MSL with 18,000ft MSL call in windows. If you are using Research motors, remember the maximum launch altitude for flights containing research motors shall be 90% of waiver altitude established for the launch. The BFR form allows for uploading of a RocSim or OpenRocket file. You can also upload a photo of the rocket. Please provide us these uploads as it will help the BFR Manager better understand your rocket. BFR flights tend to drift further and present greater recovery challenges than other flights. Please make a plan for recovery before your rocket is on the pad. Look at the aerial photo of the field and know where you are. Take a phone, take water, a vehicle if necessary to retrieve the rocket. If the flight crosses the ravine you MUST talk to URRG officers. Ask for advice if you don't know the layout of the farm roads. DO NOT exceed 5 mph on farm roads. All BFR's will be listed on the featured flights page.

Local Rules:

The Potter site requires dual recovery on board all rockets expecting to exceed 5000' in altitude. The waiver is limited to a standard altitude of 15K with 18K call in windows. If you know that you will need a call-in window for your flight notify the FSO at the beginning of the day or as soon as you arrive on the field. We will try to

group all call-in flights together once or twice a day as needed so as not to disturb the traffic control towers too often.

Please make a plan for recovery before your rocket is on the pad. Look at the aerial photo of the field and know where you are. Take a phone, take water, a vehicle if necessary to retrieve the rocket. If the flight crosses the ravine you Should talk to one of the URRG officers for directions. Ask for advice if you don't know the layout of the farm roads. When retrieving your rocket; DO NOT drive into any of the fields. DO NOT block any of the access roads when parking. DO NOT drag your harnesses or rocket parts through the crops.