University of Illinois at Urbana-Champaign Class 1 Model Rocket Launching Application

Class 2 or 3 Rockets will NOT be considered by UIUC (application to be completed by organizer; email completed form to <u>fandscodefire@illinois.edu</u>)

Sponsoring Department/Organization:
Department Contact Name:
Launch Contact (if different than above):
Name of Event:
Number of Attendees Expected:
Phone Number and Email:
Date and Time of Launch:
Launch Location:
Rocket Motor Type (or circle type in table below):
Number of Rockets/Size of Event:
Expected Altitude of Launch:
Checklist (to be completed by organizer):
Provide a Site Plan indicating a diagram of the launch site including distance from buildings, streets, utilities, and combustible vegetation.
The organizer acknowledges the following announcement shall be provided when advertising for the event:
"If you will need disability-related accommodations to participate in this program/event, please contact (name, host department) at (phone number, e-mail.) Early requests are strongly encouraged to allow sufficient time to meet your access needs."
The organizer acknowledges there shall be no smoking at the event.
Additional Questions (to be completed by organizer):
A) The rockets will be launched outdoors, in a clear area, free of trees, power lines, buildings, and combustible vegetation, at least as large as indicated in table 4.9 NFPA 1122 (National Fire Protection Association) below.
Minimum Site Dimension*

Installed Total Impulse (N-sec)	Equivalent Motor Type	Minimum Site Dimension*	
		m	ft
0-1.25	¹ / ₄ A and ¹ / ₂ A	15	50
1.26-2.50	А	30	100
2.51-5.00	В	61	200
5.01-10.00	С	122	400
10.01-20.00	D	152	500
20.01-40.00	Е	305	1000
40.01-80.00	F	305	1000
80.01-160.00	2F (or 1G)	305	1000
160.01-320.00	4F (or 2G)	457	1500

	does not indicate facility location approval. facility to grant space reservation approval.
Organizer Signature:	Date:
Additional Organizer Comments:	
K) A fire extinguisher will be accessible on site.	
	e to prevent the motor exhaust from hitting the ground be cleared of brown grass, dry weeds, or other easy-to-
second countdown to launch shall take place. If launcher until 1 minute has elapsed and the safet	are of the pending model rocket launch. An audible 5- a model rocket misfires, no person shall approach the y interlock has been removed or the battery has been mpt shall be made to retrieve a model rocket from a —
with an installed total impulse of 30 N-sec (6.7 lb from the model rocket during ignition of a model than 30 N-sec (6.7 lb-sec). When more than 10 rospectator distance shall be set to 1.5 times the hig	he model rocket during ignition of a model rocket motor o-sec) or less. All persons shall remain at least 30 feet la rocket motor with an installed total impulse of more ockets are being launched simultaneously, the minimum ghest altitude expected to be reached by any of the oned to monitor the potential landing area to restrict gards.
be launched in a wind of more than 20 mph. A m	flight path aimed at a target. A model rocket shall not nodel rocket shall not be launched at an angle greater all not be launched into a cloud or near an aircraft in
F) The model rockets shall not carry a payload th persons or property.	nat is designed to be flammable, explosive, or harmful to
	roduce a total impulse of no more than 320 N-sec tal impulse of more than 80 N-sec (18 lb-sec), but not ed to be used by individuals 18 years of age and older.
D) The model rockets shall weigh no more than 1 model rocket shall use no more than 125 g (4.4 oz	1500 g (53 oz) at lift-off, including rocket propellant. A
C) The model rockets shall have a means for retuit can be flown again. All recovery wadding used	irning it to the ground (for example, a parachute) so that in a model rocket shall be flame-resistant.
reloadable, and meets the specifications of NFPA	11122 onai de pennicea.

Office Note – CC: Facilities Scheduling and Logistics, UnivRiskMgmt@uillinois.edu, Fire Department, Public Safety, Engineering Safety, Willard Airport (as required), FAA