



Portland State Aerospace Society

A Student Branch Chapter of the IEEE Aerospace and Electronics Systems Society

Brian D. O'Neel
Project Manager

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To Whom It May Concern:

The Portland State Aerospace Society is a non-profit, educational group working on sounding rockets and advanced avionics at Portland State University in Portland, Oregon. We are seeking permission to use the airspace outside of Brothers, Oregon to launch an unmanned amateur rocket to collect data and evaluate our latest generation sounding rocket.

The vehicle measures approximately 11 feet in length and 5.25 inches in diameter and weighs just less than 50 lbs. The vehicles maximum altitude is 18,500 feet above ground level during the flight. The entire round trip flight time for the rocket will be less than 9 minutes, 35 seconds to apogee and 8 min for parachute descent).

We would like to be granted a waiver to 20,000 feet AGL (24,200 feet MSL) for a section of land owned by the Bureau of Land Management in Central Oregon, near Millican (see attached map). We would like to have the waiver for December 18th and 19th, 2004 from 10:00am to 5:00pm. We would also like to have a waiver for January 8th and 9th, 2005, from 10:00am to 5:00pm as a back-up date in the event that we have to scrub our original launch date due to weather or other circumstances.

We will launch the vehicle only once during the proposed weekends. We will pursue our activities in a safe and prudent way and will not operate in a manner that presents danger to air traffic.

If you have any questions or if there is anything I can help with please feel free to contact me.

Sincerely,

Brian O'Neel

Project Manager
Portland State Aerospace Society



US Department of Transportation
Federal Aviation Administration

Form Approved: O.M.B. No. 2120-0027

APPLICANTS - DO NOT USE THESE SPACES

**APPLICATION FOR
CERTIFICATE OF WAIVER
OR AUTHORIZATION**

Region

Date

Action

Approved Disapproved - Explain under "Remarks"

Signature of authorized FAA representative

INSTRUCTIONS

Submit this application in triplicate (3) to any FAA Flight Standards district office.

Applicants requesting a Certificate of Waiver or Authorization for an aviation event must complete all the applicable items on this form and attach a properly marked 7.5 series Topographic Quadrangle Map(s), published by the U.S. Geological Survey (scale 1:24,000), of the proposed operating area. The map(s) must include scale depictions of the flightlines, showlines, race courses, and the location of the air event control point, Police dispatch, ambulance, and fire

fighting equipment. The applicant may also wish to submit photographs and scale diagrams as supplemental material to assist in the FAA's evaluation of a particular site. Application for a Certificate of Waiver or Authorization must be submitted 45 days prior to the requested date of the event.

Applicants requesting a Certificate of Waiver or Authorization for activities other than an aviation event will complete items 1 through 8 only and the certification, item 15, on the reverse.

1. Name of organization

Portland State Aerospace Society

2. Name of responsible person

Brian D. O'Neal

3. Permanent mailing address

House number and street or route number

City

State and ZIP code

Telephone No. (503)

4912 Lower Drive

Lake Oswego

OR 97035

699-5106

4. FAR section and number to be waived

FAR 101.2

5. Detailed description of proposed operation (Attach supplement if needed)

Single launch of an unmanned experimental rocket to an altitude of 18,500 ft AGL (22,700 ft MSL). The vehicle is 11 feet in length and 5.25" in diameter and weighs approx. 50 lbs. The flight will be used to collect and evaluate a student built avionics payload.

6. Area of operation (Location, altitudes, etc.)

26.5 nautical miles @ 132° from Deschutes VOR

7a. Beginning (Date and hour)

Saturday December 18th, 2004 - 10 am

b. Ending (Date and hour)

Sunday December 19th, 2004 - 5 pm

Saturday January 8th, 2005 - 10 am (back-up)

Sunday January 9th, 2005 - 5 pm

8. Aircraft make and model (a)

Pilot's Name (b)

Certificate number and rating (c)

Home address (Street, City, State) (d)

ITEMS 9 THROUGH 14 TO BE FILLED OUT FOR AIR SHOW/AIR RACE WAIVER REQUESTS ONLY.

9. The air event will be sponsored by: N/A

10. Permanent mailing address	House number and street or route number	City	State and ZIP code	Telephone No.
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11. Policing (Describe provisions to be made for policing the event.)

12. Emergency facilities (Mark all that will be available at time and place of air event.)

Physician Fire truck Other - Specify _____
 Ambulance Crash wagon

13. Air Traffic control (Describe method of controlling traffic, including provision for arrival and departure of scheduled aircraft.)

14. Schedule of Events (include arrival and departure of scheduled aircraft and other periods the airport may be open.)

Hour (a)	Date (b)	Event (c)
N/A		

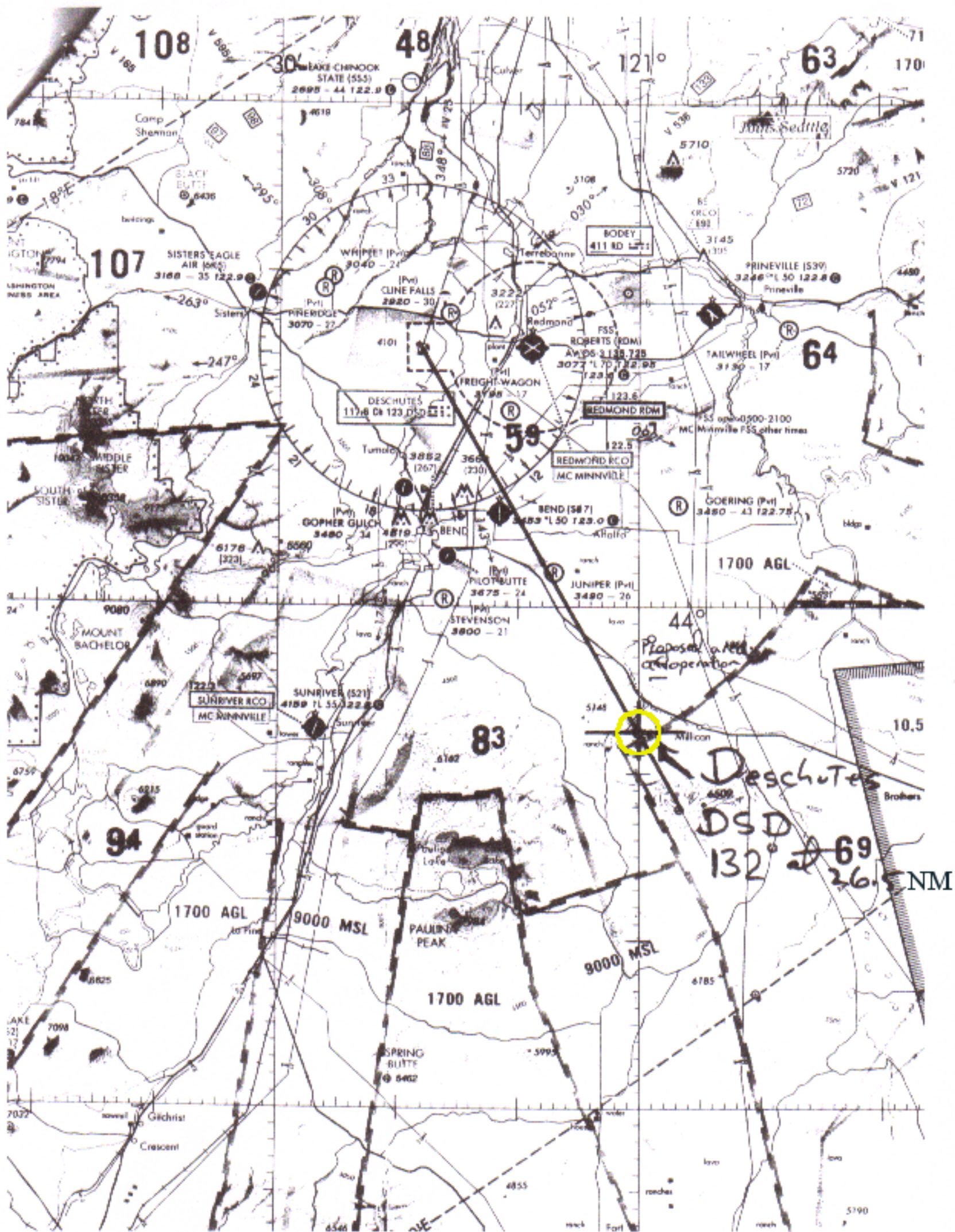
If sufficient space is not available, the entire schedule of events may be submitted on separate sheets, in the order and manner indicated above.

Please Read > The undersigned applicant accepts full responsibility for the strict observance of the terms of the Certificate of Waiver or Authorization, and understands that the authorization contained in such certificate will be strictly limited to the above described operation.

15. Certification - I CERTIFY that the foregoing statements are true.

Date	Signature of Applicant
11/2/04	

Remarks
 All operations will be conducted in accordance with Tripti Experienced Launch Rules and shall be under the control of an experienced Range Safety / Launch Control Officer. A spotter will watch for aircraft entering the operations area, and will temporarily suspend operations in this contingency



107

SISTERS EAGLE AIR (M45)
3168 - 35 122.9

DESCHUTES
117.6 ON 123 DSD 121

BODEY
411 RD L-1

REDMOND RDM

REDWOOD RCO
MC MINNVILLE

SUNRIVER RCO
MC MINNVILLE

Deschutes
DSD
132 at 26.5 NM

Proposed area of cooperation

108

48

121°

63

170

64

59

83

94

69

1700 AGL

9000 MSL

1700 AGL

9000 MSL

10.5

ENM

