



U.S. Department
of Transportation

Northwest Mountain Region
Colorado, Idaho, Montana, Oregon
Utah, Washington, Wyoming

1601 Lind Avenue S.W.
Renton, Washington 98055-4056

**Federal Aviation
Administration**

D DEC 2 12 2004

Brian O'Neel
Portland State Aerospace Society
4912 Lower Drive
Lake Oswego, OR 97035

Dear Mr. O'Neel:

Enclosed is the Certificate of Waiver and special provisions issued to the Portland State Aerospace Society to launch rockets near Brothers, Oregon within 2 nautical mile radius of the Deschutes VOR (DSD) 132° radial at 26.5 nautical miles. This waiver is effective January 8, 2005 through January 23, 2005.

If you have questions, please contact Gordon Burnet, Operations Specialist, Western En Route and Oceanic Area Office, at (425) 227-2535.

Sincerely,

John Warner
Acting Manager, Operations Support
Western En Route and Oceanic Area Office

Enclosure

cc:
ATA-400
Manager, McMinnville AFSS
Manager, Seattle ARTCC
ANM-900

**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
CERTIFICATE OF WAIVER OR AUTHORIZATION**

ISSUED TO

Portland State Aerospace Society

ADDRESS

Brian O'Neel
4912 Lower Drive
Lake Oswego, OR 97035; telephone (503) 699-5106

This certificate is issued for the operations specifically described hereinafter. No person shall conduct any operation pursuant to the authority of this certificate except in accordance with the standard and special provisions contained in the certificate, and such other requirements of the Federal Aviation Regulations not specifically waived by this certificate.

OPERATIONS AUTHORIZED

1. Unmanned rocket launch for recreation and research purposes.
2. Surface to 24,500 feet mean sea level (MSL); 1000 – 1700 local time.
3. Launch site: 2 nautical mile (nm) radius from the Deschutes, OR, VOR (DSD) 132° radial at 26.5 nm.
4. Planned launch days: January 8, 9, 2005 or January 22, 23, 2005.

WAIVED REGULATIONS BY SECTION AND TITLE

14 CFR; 101.1 (b) Operation within controlled airspace.

STANDARD PROVISIONS

1. This certificate shall be presented for inspection upon the request of any authorized representative of the Administrator of the Federal Aviation Administration, or any State or municipal official charged with the duty of enforcing laws or regulations.
2. The holder of this certificate shall be responsible for the strict observance of the terms and provisions contained herein.
3. This certificate is nontransferable.

NOTE. - This certificate constitutes a waiver of those Federal rules or regulations specifically referred to above. It does not constitute a waiver of any State or local ordinance.

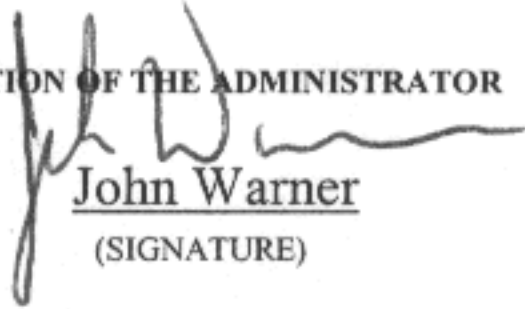
SPECIAL PROVISION

Special Provisions 1 through 10, inclusive, are set forth on page 2 hereof.

This certificate is effective from 8 January 2005 through 23 January 2005, subject to cancellation at any time upon notice by the Administrator or his authorized representative.

Western Enroute/Oceanic Area Office
(REGION)

BY DIRECTION OF THE ADMINISTRATOR


John Warner
(SIGNATURE)

December 21, 2004
(DATE)

Acting Manager, Operations Support, ANM-530
(TITLE)

SPECIAL PROVISIONS

1. Authority to deviate from the Federal Aviation Regulations (FARs) is limited to specific regulations shown on the Certificate of Waiver. All other applicable FARs must be fully complied with.
2. This Certificate constitutes a Waiver of specific FARs only. It does not constitute a waiver of any state or local ordinance.
3. You will notify the following facilities at least 24 hours before a launch, **and when operations have stopped:**
 - a. Operations Supervisor, McMinnville Automated Flight Service Station (MMV AFSS); telephone 1 (800) 672-6211.
 - b. Seattle Air Route Traffic Control Center (SEA ARTCC); telephone 1 (253) 351-3520.
4. Provide the following information to each facility:
 - a. Location of the launch area; 2 nm radius from the DSD VOR 132° radial at 26.5 nm.
 - b. Time of planned launch.
 - c. Type of activity to be conducted; number and size of rockets.
 - d. Maximum ordinate of fire; 24,500 feet MSL.
 - e. Means of establishing communications with launch site Safety Office: (cell phone).
5. Firing will not be conducted when the cloud ceiling is less than 1,000 feet above the maximum ordinate of the rocket fire or when the area visibility is less than 5 miles.
6. You will scan the airspace within 5 miles of the launch site to ascertain that the area is clear and will remain clear of aircraft during the operation.
7. No rocket shall enter any cloud formations.
8. Your operation will be conducted in accordance with a Controlled Firing Area concept – that is, safety spotters will be stationed in appropriate locations to scan the sky prior to and during each launch. These spotters will have communications equipment (cell phones) to **immediately** notify the Launch Control Officer to cease or hold fire whenever an aircraft is in, near, or approaching the launch area. Failure to comply will void this waiver.
9. All operations will be conducted in accordance with the holder's safety rules and codes.
10. The holder shall be responsible for safeguarding persons and property on the ground and ensure all persons connected with the operation are familiar with the waiver and the above Special Provisions.