

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL
(Nature of Service)

WC2XSS
(Call Sign)

XD MO
(Class of Station)

0219-EX-PL-2001
(File Number)

NAME The Boeing Company

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

(1) MOBILE: Within Profiles 1 through 7 referenced below in Special Condition (6).

Frequency Information

MOBILE: Within Profiles 1 through 7 referenced below in Special Condition (6).

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	10M0V1D	125 W (ERP)	
1030 MHz	MO	10M0K1D	125 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Operations are subject to further coordination with the FAA Northwest Coordinator, Seattle, Washington and the FAA Western Coordinator, Los Angeles, California, as necessary to ensure compatibility with existing uses.
- (4) The transponder's performance will comply with STANAG 4193 and ICAO Annex 10.
- (5) Operations using Mode-S ID code "0" will comply with all of the conditions of ICAO Annex 10.
- (6) Flight locations and altitudes (+/- 2,000 feet) must be confined to those specified in Profiles 1 through 7 that were faxed on June 22, 2000.
- (7) Mode-S ID code "11" is assigned for use when flying Profiles 1 through 7.

This authorization effective October 03, 2002 and
will expire 3:00 A.M. EST June 01, 2003

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (8) The FAA concurs with ground operations at Boeing's facility in Seattle, WA provided operations are confined to the following Mode-S ID codes: 1, 3, 4, 6, 8, 9, 10, 11, 12, 13, 14 and 15.
- (9) Transmissions are limited to one aircraft.
- (10) All emissions from Mode-4 operations must be directed seaward and no Mode-4 operations are authorized over land. Sector blanking of transmissions in the direction of the coast will be used to assure compliance with this condition.
- (11) This concurrence applies to flight tests through August 2004. If additional testing is necessary after August 2004, the requirement must be coordinated again. Due to the FAA's ATCBI-6 program that will require the use of Mode-S ID's, there may also be a requirement to alter the concurrence, if needed to permit the successful implementation of the ATCBI-6.
- (12) Frequencies 121.5 MHz and 243.0 MHz will be monitored during all Mode-4 operations and "Stop Buzzer" procedures will be in effect.
- (13) Prior to any Mode-4 operations, coordination will be accomplished with the following ARTCC's: Seattle (206) 351-3500, Oakland (510) 745-3332 and Los Angeles (661) 265-8205.