

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WC2XSS

(Call Sign)

0432-EX-ST-2001

(File Number)

NAME The Boeing Company

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Testing of the operational capabilities of both IFF Mode Select and Mode 4 in accordance with NATO Standardization Agreement (STNAG) 4193.

Station Locations

- (1) MOBILE: Off the coast of Washington, Oregon and California, within 700 km, centered around NL 46-36-42; WL 127-35-00

Frequency Information

MOBILE: Off the coast of Washington, Oregon and California, within 700 km, centered around NL 46-36-42; WL 127-35-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	10M0V1D	125 W (Output Power)	
1030 MHz	MO	10M0K1D	125 W (Output Power)	
1090 MHz	MO	14M0V1D	6 W (Output Power)	
1090 MHz	MO	14M0K1D	6 W (Output Power)	

Special Conditions:

- (1) The transponder's performance will comply with STANAG 4139 and ICAO Annex 10.
- (2) Operations using Mode-S ID code "0" will comply with all of the conditions of ICAO Annex 10.
- (3) Flight operations and altitudes (+/- 2,000 feet) must be confined to those specified in Profiles 1 through 7 that were faxed on June 22, 2000.

This authorization effective December 13, 2001 and
will expire 3:00 A.M. EST April 30, 2002

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Mode-S ID code "6" is assigned for use when flying Profiles 1 through 6.
- (5) Mode-S ID code "9" is assigned for use when flying Profile 7.
- (6) 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.
- (7) Transmissions are limited to one aircraft.
- (8) 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 directions of the coast will be used to assure compliance with this condition.
- (9) This concurrence applies to flight tests through April 2002. If additional testing is necessary after April 2002, 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 conditions of this concurrence, including rescinding this concurrence, if needed to permit the successful implementation of the ATCBI-6.
- (10) Frequencies 121.5 MHz and 243.0 MHz will be monitored during all Mode-4 operations and "Stop Buzzer" procedures will be in effect.
- (11) Prior to any Mode-4 operations, coordination will be accomplished with the following ARTCC's: Seattle (206) 351-3500; Oakland (510) 745-3332; Los Angeles (661) 265-8205.