

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

W A 2 X O G
(Call Sign)

XD FX & MO
(Class of station)

S-3100-EX-97
(File number)

NAME Bombardier Services Corporation
Lawton/Fort Sill, OK - NL 34-36-41; WL 098-21-03
(Location of station)
MOBILE: Within Fort Sill Airspace

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

Frequency (MHz)	Authorized Power (watts)	Emission Designator	Class of Station
1375	10 (ERP)	8M00G1D	FX
1446	10 (ERP)	30M0FXW	MO
1490	10 (ERP)	30M0FXW	MO

Purpose of Operation: Telemetry, command and control of an unmanned air vehicle.

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 by the Government of the United States conferred by Section 706 of the Communications Act of 1934.

This authorization effective November 3, 1997 and
will expire 3:00 A.M. EST. April 30, 1998





Bombardier Services Corporation
Defense Systems Division

80 N.E. 20th Street
Lawton, OK 73507
Phone: (405) 248-4443 Facsimile: (405) 248-4446

October 28, 1997

Amended application

Federal Communications Commission
OET/NTDD/ELB
2000 M Street N.W. Suite 230
Washington, DC 20554
Attn: Mr. Doug Young

Letter Modification for STA
submitted in BSC letter dtd October 22, 1997
(modified portion is in *Italic*)

Request For: Special Temporary Authority (STA)

Enclosures: FCC form 159, AFTRCC Letter dtd 15Oct97 Identity Control No: 00D7-97 & AFTRCC Letter dtd 14Oct97 Identity Control No. 00D7-97

Dear Sir:

Please find attached our application and fee for a Special Temporary Authority to operate an experimental station.

- 1) Name and address: Bombardier Services Corporation
80 N.E. 20th, Lawton, OK 73507.
- 2) Need of special action: We have an immediate need for the use of the frequencies with our unmanned air vehicle system. We are in preparation for a competitive bid on a board agency announcement. To better our position we need to demonstrate our system.
- 3) Type of operations to be conducted: Unmanned Air Vehicle (UAV) system operations, both ground and air. Flight operations are conducted at Ft. Sill, OK. Bombardier has a license to operate at Ft. Sill within its restricted air space. We have verified locally with U.S. Army post Ft. Sill's Director, Plans, Training, and Mobilization, that the frequency requested is not an interference with air traffic or range operations. Ground operations are conducted at our Lawton address.
- 4) Purpose of operation: Flight operations of the CL-327 air vehicle system. First flight and envelope expansion. This is a production air vehicle that is being considered for a government demonstration program. To better our position we need to conduct flight operations immediately.
- 5) Time and date of proposed operation: 0700 November 3, 1997 through April 30, 1998.
- 6) Class of station: MOEB
- 7) Nature of service: Command & Control and Telemetry

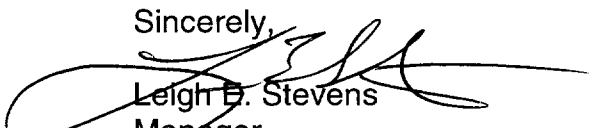
- 8) Location of operation: Lawton, OK/Ft. Sill, OK
Lat 34° 36' 41" N &
Long 098° 21 ' 03" W
- 9) Equipment to be used:
Name of manufacturer: ELTA LTD
Model: JT-UAV data link system
Number of units: 1
- 10) Frequencies: Uplink-~~1370~~ **1375 MHZ**
Uplink-~~2.01 to 2.025~~ **GHZ (not required)**
Downlink-1446 MHZ.
Downlink-1490 MHZ
- 11) Effective radiated power: 10 W
- 12) Emission type: ~~-50dbc @ 30 MHZ~~
For 1375 MHZ emission is 8M0G1D
For 1446 MHZ emission is 30M0FXW
For 1490 MHZ emission is 30M0FXW
- 13) Overall height above ground of antenna structure: under 6 meters

In reference to file number 5885-EX-PL-97, we will submit a separate letter of correspondence to modify paragraph 4 of FCC form 442.

Please do not hesitate to contact Larry Kirkpatrick or me at the above telephone and facsimile numbers.

Thank you.

Sincerely,



Leigh E. Stevens
Manager

S-3100-EX-97



Bombardier Services Corporation
Defense Systems Division

80 N.E. 20th Street
Lawton, OK 73507
Phone: (405) 248-4443 Facsimile: (405) 248-4446

October 22, 1997

Federal Communications Commission
c/o Mellon Bank
Three Mellon Bank Center
525 William Penn Way
27th Floor, Room 153-2713
Pittsburgh, PA 15259-0001
Attention: Wholesale Lockbox Shift Supervisor

see amended application

Request For: Special Temporary Authority (STA)

Enclosures: FCC form 159, AFTRCC Letter dtd 15Oct97 Identity Control No: 00D7-97 & AFTRCC Letter dtd 14Oct97 Identity Control No. 00D7-97

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page 2
FCC letter dtd Oct 22, 1997

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Model: JT-UAV data link system

Number of units: 1

10) Frequencies:

Uplink-1370 MHZ

~~Uplink-2.01 to 2.025 GHz~~

Downlink-1446 MHZ.

Downlink-1490 MHZ

11) Effective radiated power: 10 W

12) Emission type: -50dbc @ 30 MHZ

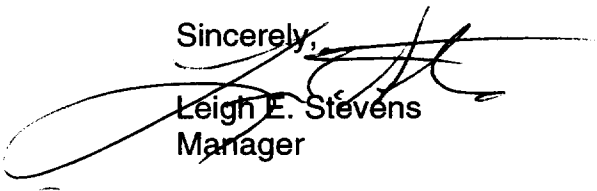
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Please do not hesitate to contact Larry Kirkpatrick or me at the above telephone and facsimile numbers.

Thank you.

Sincerely,


Leigh E. Stevens
Manager



Bombardier Services Corporation
Defense Systems Division

80 N.E. 20th Street
Lawton, OK 73507
Phone (405) 248-4443 Facsimile (405) 248-4446

PLEASE TRANSMIT THE FOLLOWING PAGES TO:

Name: Doug Young
Firm: FCC
City: _____
Fax: (202) 418-1918
Tel: (202) 418-2411

Date: 10/28/97
Ref: _____
of Pages: 3
(including this page)

Subject: Revised STA
cc: _____

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE
CALL BACK AS SOON AS POSSIBLE

Doug,

Please find attached our modification for the STA. Changes are in paragraph 10 and 12. The changes are in *italic*.

I will send separate correspondence to eliminate 2.01GHZ – 2.025 from the experimental license request (5885-EXF-PL-97).

Thank you,

P.S. I'll send originals overnight.

Signature: _____
Name: Leigh E. Stevens

The information contained in this facsimile message is or may be confidential information. It is intended only for the use of the individual or entity identified above. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or reproduction of this accompanying communication is strictly prohibited. No applicable privilege is waived by the party sending the accompanying documents. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address via the United States Postal Service. Thank you.

**TELEMETRY FREQUENCY RECOMMENDATION
AEROSPACE AND FLIGHT TEST RADIO COORDINATING COUNCIL
PO BOX 2307
SEAL BEACH, CA 90740-1307**

DATE: 15 OCTOBER 1997
IDENTITY CONTROL NO: 00D7-97

TO: Leigh E. Stevens
Bombardier Services Corporation
Defense Systems Division
80 N.E. 20th Street
Lawton, OK 73507

AFTRCC recommends a New Experimental 2 Year License to be used 2-6 hours per day, 5 days a week, for transmission of video and data from an unmanned air vehicle, on a non-interference basis, detailed as follows:

<u>TRANSMITTER MAKE & MODEL</u>	<u>STABILITY</u>	<u>WATT</u>	<u>FREQUENCY(IES)</u>	<u>EMISSION</u>	<u>STATION CLASS</u>
ELTA	0.003%	10W	1446 MHz	30M0FXW	MOEB

62.5 MIRAD (100 KMRAD):

AREA & DATES OF OPERATION as follows:

<u>AREA</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>START DATE YR-MO-DAY</u>	<u>FINISH DATE YR-MO-DAY</u>
Lawton, OK	34-36-41N	098-21-53W	1997-10-13	1999-10-13

This recommendation has been coordinated with the following and concurrence copy is attached:

Area Frequency Management Office, Continental US Fax: 210-221-2844

We request that the FCC add the following to your license:

"Use of these frequencies is subject to prior coordination with AFTRCC Frequency Advisory Committee, PO Box 2307, Seal Beach, CA, Telephone (562) 797-2710."

This recommendation is advisory only and not binding on the applicant or the FCC. This does not constitute a judgment that a frequency is best suited to the applicant's purpose nor that the assignment is exclusive to the applicant. In utilizing this recommendation, the applicant agrees to release and hold harmless AFTRCC, its officers, directors, members, agents and representatives in any claims, losses or expenses which may arise as a result of the applicant's use of these frequencies.

This recommendation will be valid for 90 days from the date of this letter. An updated letter should be requested if your license application has not been filed with the FCC within the 90 day period. Please attach the original yellow letter to your license application for filing with FCC.



Rex D. Miller, Chair
AFTRCC Frequency Advisory Committee

1435-1525 MHz and 2310-2390 MHz Telemetry Bands
GOVERNMENT/NON-GOVERNMENT RADIO FREQUENCY COORDINATION FORM

DATE 14 OCTOBER 1997
 IDENTITY CONTROL NO 00D7-97

To: Area Frequency Management Office, Continental US Fax: 210-221-2844
 From: The Boeing Company
 AFTRCC Coordinator, M/S K06-93
 P.O. Box 7730
 Wichita, KS 67277-7730

AFTRCC concurs and requests coordination for a New Experimental 2 Year License to be used 2-6 hours per day, 5 days a week, for transmission of video and data from an unmanned air vehicle, on a non-interference basis, detailed as follows:

Bombardier Services Corporation, Defense Systems Division
80 N.E. 20th Street, Lawton, OK 73507
POC Leigh E. Stevens 405-248-4443

(APPLICANT)

<u>FREQUENCY(IES)</u>	<u>EMISSION</u>	<u>POWER</u>	<u>STATION CLASS</u>
1446 MHz	30M0FXW	10W	MOEB

62.5 MIRAD (100 KMRAD):

AREA & DATES OF OPERATION as follows:

<u>AREA</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>START DATE</u> <u>YR-MO-DAY</u>	<u>FINISH DATE</u> <u>YR-MO-DAY</u>
Lawton, OK	34-38-41N	098-21-53W	1997-10-13	1999-10-13

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R.D. Miller

AFTRCC FREQUENCY ADVISORY COMMITTEE

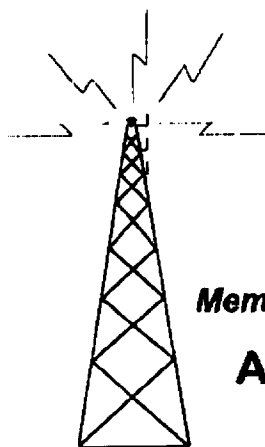
• REPLY •

DATE 10/15/97

I concur with the above recommendation ☒

I do not concur and suggest _____

John White C, AFMO CONUS
 (SIGNATURE & TITLE)



The Boeing Company

Wichita Frequency Management Services, M/S K06-93

P.O. Box 7730

Wichita, KS 67277-7730

Fax: 316-523-4861

Member of

AFTRCC

AEROSPACE & FLIGHT TEST RADIO COORDINATING COUNCIL

MRFAC

MANUFACTURERS RADIO FREQUENCY ADVISORY COMMITTEE

To: Carl Hule

Fax No.: 202-418-1918

Phone: 202-418-2430

☐ **RUSH DELIVERY REQUESTED**

Location: FCC Office of Engineering & Technology

Experimental Licensing Branch

MS1300E1

2000 M. Street, N.W.

Washington, DC 20564

Contents:

- FYI -

Cover plus 2 page(s)

From: ☒ **Rex D. Miller** - Chair, AFTRCC Frequency Advisory Committee

Wichita Division Frequency Manager

Voice: 316-523-1004 / Email: rex.d.miller@boeing.com

☐ **John A. Ahlstrom** - Radio Frequency Communications Specialist

Voice: 316-523-8399 / Email: john.a.ahlstrom@boeing.com

☐ **Gina M. Criman** - Requirement Support Specialist

Voice: 316-526-2764 / Email: gina.m.criman@boeing.com

FAX Cover Sheet

TELEMETRY FREQUENCY RECOMMENDATION
AEROSPACE AND FLIGHT TEST RADIO COORDINATING COUNCIL
PO BOX 2307
SEAL BEACH, CA 90740-1307

DATE: 15 OCTOBER 1997
IDENTITY CONTROL NO: 00D7-97

To: Leigh E. Stevens
Bombardier Services Corporation
Defense Systems Division
80 N.E. 20th Street
Lawton, OK 73507

AFTRCC recommends a New Experimental 2 Year License to be used 2-6 hours per day, 5 days a week, for transmission of video and data from an unmanned air vehicle, on a non-interference basis, detailed as follows:

<u>TRANSMITTER</u> <u>MAKE & MODEL</u>	<u>STABILITY</u>	<u>WATT</u>	<u>FREQUENCY(IES)</u>	<u>EMISSION</u>	<u>STATION</u> <u>CLASS</u>
ELTA	0.003%	10W	1446 MHz	30M0FXW	MOEB

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Lawton, OK	34-36-41N	098-21-53W	1997-10-13	1999-10-13

This recommendation has been coordinated with the following and concurrence copy is attached:

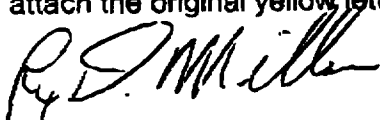
Area Frequency Management Office, Continental US Fax: 210-221-2844

We request that the FCC add the following to your license:

"Use of these frequencies is subject to prior coordination with AFTRCC Frequency Advisory Committee, PO Box 2307, Seal Beach, CA, Telephone (562) 797-2710."

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Rex D. Miller, Chair
AFTRCC Frequency Advisory Committee

1435-1525 MHz and 2310-2390 MHz Telemetry Bands
GOVERNMENT/NON-GOVERNMENT RADIO FREQUENCY COORDINATION FORM

DATE 14 OCTOBER 1997
IDENTITY CONTROL NO 0007-97

To: Area Frequency Management Office, Continental US Fax: 210-221-2844
From: The Boeing Company
AFTRCC Coordinator, M/S K06-93
P.O. Box 7730
Wichita, KS 67277-7730

AFTRCC concurs and requests coordination for a New Experimental 2 Year License to be used 2-6 hours per day, 5 days a week, for transmission of video and data from an unmanned air vehicle, on a non-interference basis, detailed as follows:

Bombardier Services Corporation, Defense Systems Division
80 N.E. 20th Street, Lawton, OK 73507
POC Leigh E. Stevens 405-248-4443

(APPLICANT)

<u>FREQUENCY(IES)</u>	<u>EMISSION</u>	<u>POWER</u>	<u>STATION CLASS</u>
1446 MHz	30M0FXW	10W	MOEB

82.5 MIRAD (100 KMRAD):

AREA & DATES OF OPERATION as follows:

<u>AREA</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>START DATE</u> <u>YR-MO-DAY</u>	<u>FINISH DATE</u> <u>YR-MO-DAY</u>
Lawton, OK	34-38-41N	098-21-53W	1997-10-13	1998-10-13

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R.D. Miller

AFTRCC FREQUENCY ADVISORY COMMITTEE

• REPLY •

DATE 10/15/97

I concur with the above recommendation ☒

I do not concur and suggest _____

C. AFMO CONCURS
(SIGNATURE & TITLE)



Bombardier Services Corporation
Defense Systems Division

80 N.E. 20th Street
Lawton, OK 73507
Phone (405) 248-4443 Facsimile (405) 248-4446

PLEASE TRANSMIT THE FOLLOWING PAGES TO:

Name: Cina / Roy Miller
Firm: AFT RCC
City: Wichita
Fax: (316) 523-4861
Tel: (316) 523-1004

Date: 10/22/97
Ref: ID NO: 00 D7-97
of Pages: _____
(Including this page)

Subject: Change From 1446 to 1490
CC: _____

IF YOU DO NOT RECEIVE ALL PAGES,
PLEASE CALL BACK AS SOON AS POSSIBLE

Our initial application for the uplink was not approved by the FCC. We were required to change from 1268 to 1370 MHz. Our Sub-contractor is concerned with closeness of 1370 MHz and 1446 MHz which AFT RCC has forwarded to the FCC.

We request you review and change the frequency to 1490 MHz.

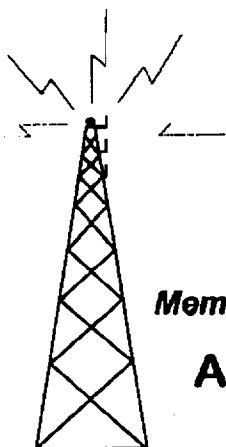
We have not formally forwarded our application to the FCC for the 1446 and will wait until we have an answer from your office.

Please advise us what we can do to expedite.
Thanks in advance

Signature: _____
Name: _____

Larry R Kirkpatrick
Larry R. Kirkpatrick

The information contained in this facsimile message is or may be confidential information. It is intended only for the use of the individual or entity identified above. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or reproduction of this accompanying communication is strictly prohibited. No applicable privilege is waived by the party sending the accompanying documents. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address via the United States Postal Service. Thank you.



The Boeing Company

Wichita Frequency Management Services, M/S K06-93

P.O. Box 7730

Wichita, KS 67277-7730

Fax: 316-523-4861

Member of

AFTRCC

AEROSPACE & FLIGHT TEST RADIO COORDINATING COUNCIL

MRFAC

MANUFACTURERS RADIO FREQUENCY ADVISORY COMMITTEE

To: Carl Huie

Fax No.: 202-418-1918

Phone: 202-418-2430

☐ **RUSH DELIVERY REQUESTED**

Location: FCC Office of Engineering & Technology

Experimental Licensing Branch

MS1300E1

2000 M. Street, N.W.

Washington, DC 20554

Contents:

- FYI -

Please ^{add this to} replace previous coordination
with this revised one. user changed
the frequency. see Boeing fax of 10/30/97

Cover plus 3 page(s)

From: ☐ **Rex D. Miller** - Chair, AFTRCC Frequency Advisory Committee

Wichita Division Frequency Manager

Voice: 316-523-1004 / Email: rex.d.miller@boeing.com

☐ **John A. Ahlstrom** - Radio Frequency Communications Specialist

Voice: 316-523-8399 / Email: john.a.ahlstrom@boeing.com

☒ **Gina M. Criman** - Requirement Support Specialist

Voice: 316-526-2764 / Email: gina.m.criman@boeing.com

FAX Cover Sheet

**TELEMETRY FREQUENCY RECOMMENDATION
AEROSPACE AND FLIGHT TEST RADIO COORDINATING COUNCIL
PO BOX 2307
SEAL BEACH, CA 90740-1307**

DATE: 24 OCTOBER 1997
IDENTITY CONTROL NO: 00D7-97

To: Leigh E. Stevens
Bombardier Services Corporation
Defense Systems Division
80 N.E. 20th Street
Lawton, OK 73507

AFTRCC recommends a New Experimental 2 Year License to be used 2-6 hours per day, 5 days a week, for transmission of video and data from an unmanned air vehicle, on a non-interference basis, detailed as follows:

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ELTA	0.003%	10W	1490 MHz	30M0FXW	MOEB

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AREA & DATES OF OPERATION as follows:

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Lawton, OK	34-36-41N	098-21-53W	1997-11-03	1999-11-03

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We request that the FCC add the following to your license:

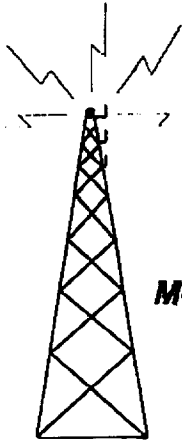
"Use of these frequencies is subject to prior coordination with AFTRCC Frequency Advisory Committee, PO Box 2307, Seal Beach, CA, Telephone (562) 797-2710."

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Rex D. Miller

for Rex D. Miller, Chair
AFTRCC Frequency Advisory Committee



The Boeing Company

Wichita Frequency Management Services, M/S K06-93

P.O. Box 7730

Wichita, KS 67277-7730

Fax: 316-523-4861

Member of

AFTRCC

AEROSPACE & FLIGHT TEST RADIO COORDINATING COUNCIL

MRFAC

MANUFACTURERS RADIO FREQUENCY ADVISORY COMMITTEE

To: Carl Hule

Fax No.: 202-418-1918

Phone: 202-418-2430

☐ **RUSH DELIVERY REQUESTED**

Location: FCC Office of Engineering & Technology

Experimental Licensing Branch

MS1300E1

2000 M. Street, N.W.

Washington, DC 20554

Contents:

- FYI -

Cover plus 2 page(s)

From:

☐ **Rex D. Miller** - Chair, AFTRCC Frequency Advisory Committee

Wichita Division Frequency Manager

Voice: 316-523-1004 / Email: rex.d.miller@boeing.com

☐ **John A. Ahlstrom** - Radio Frequency Communications Specialist

Voice: 316-523-8399 / Email: john.a.ahlstrom@boeing.com

☒ **Gina M. Criman** - Requirement Support Specialist

Voice: 316-526-2764 / Email: gina.m.criman@boeing.com

FAX Cover Sheet

**TELEMETRY FREQUENCY RECOMMENDATION
AEROSPACE AND FLIGHT TEST RADIO COORDINATING COUNCIL
PO BOX 2307
SEAL BEACH, CA 90740-1307**

DATE: 30 OCTOBER 1997
IDENTITY CONTROL NO: 00E2-97

To: Leigh E. Stevens
Bombardier Services Corporation
Defense Systems Division
80 N.E. 20th Street
Lawton, OK 73507

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We request that the FCC add the following to your license:

"Use of these frequencies is subject to prior coordination with AFTRCC Frequency Advisory Committee, PO Box 2307, Seal Beach, CA, Telephone (562) 797-2710."

This recommendation is advisory only and not binding on the applicant or the FCC. This does not constitute a judgment that a frequency is best suited to the applicant's purpose nor that the assignment is exclusive to the applicant. In utilizing this recommendation, the applicant agrees to release and hold harmless AFTRCC, its officers, directors, members, agents and representatives in any claims, losses or expenses which may arise as a result of the applicant's use of these frequencies.

This recommendation will be valid for 90 days from the date of this letter. An updated letter should be requested if your license application has not been filed with the FCC within the 90 day period. Please attach the original yellow letter to your license application for filing with FCC.

Rex D. Miller

for Rex D. Miller, Chair
AFTRCC Frequency Advisory Committee

1435-1625 MHz and 2310-2390 MHz Telemetry Bands
GOVERNMENT/NON-GOVERNMENT RADIO FREQUENCY COORDINATION FORM

DATE 28 OCTOBER 1997
IDENTITY CONTROL NO 00E2-97

To: Area Frequency Management Office, Continental US Fax: 210-221-2844
From: The Boeing Company
AFTRCC Coordinator, M/S K06-93
P.O. Box 7730
Wichita, KS 67277-7730

AFTRCC concurs and requests coordination for a New Experimental 2 Year License to be used 2-6 hours per day, 5 days a week, for transmission of video and data from an unmanned air vehicle, on a non-interference basis, detailed as follows:

Bombardier Services Corporation, Defense Systems Division
89 N.E. 20th Street, Lawton, OK 73507
POC Leigh E. Stevens 408-248-4443

(APPLICANT)

<u>FREQUENCY(IES)</u>	<u>EMISSION</u>	<u>POWER</u>	<u>STATION CLASS</u>
1446 MHz	30M0FXW	10W	MOEB

62.5 MIRAD (100 KMRAD):

AREA & DATES OF OPERATION as follows:

<u>AREA</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>START DATE</u> <u>YR-MO-DAY</u>	<u>FINISH DATE</u> <u>YR-MO-DAY</u>
Lawton, OK	34-38-41N	098-21-53W	1997-11-03	1999-11-03

This recommendation is advisory only and not binding on the applicant or the FCC. This does not constitute a judgment that a frequency is best suited to the applicant's purpose nor that the assignment is exclusive to the applicant. In utilizing this recommendation, the applicant agrees to release and hold harmless AFTRCC, its officers, directors, members, agents and representatives in any claims, losses or expenses which may arise as a result of the applicant's use of these frequencies.

R. E. Miller

AFTRCC FREQUENCY ADVISORY COMMITTEE

. REPLY .

DATE 10/29/97

I concur with the above recommendation ☒

I do not concur and suggest _____

John White, Chief, AFMOS CONUS
(SIGNATURE & TITLE)

BEFORE PROCEEDING

FEDERAL COMMUNICATIONS COMMISSION
REMITTANCE ADVICE

APPROVED BY URS

JUSP-0369

4049

(1) LOCKBOX #

PAGE NO. _____ OF _____

SPECIAL USE

FCC USE ONLY

PCC/MELLON

OCT 23 1997

SECTION A - PAYER INFORMATION

(2) PAYER NAME (if paying by credit card, enter name exactly as it appears on your card) **Bombardier Services Corporation** Leigh E. Stevens (3) TOTAL AMOUNT PAID (dollars and cents) **\$45.00**(4) STREET ADDRESS LINE NO. 1
80 NE 20th Street

(5) STREET ADDRESS LINE NO. 2

(6) CITY

Lawton

(7) STATE

OK

(8) ZIP CODE

73507

(9) DAYTIME TELEPHONE NUMBER (include area code)

405-248-4443

(10) COUNTRY CODE (if not in U.S.A.)

IF PAYER NAME AND THE APPLICANT NAME ARE DIFFERENT, COMPLETE SECTION B
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C)

SECTION B - APPLICANT INFORMATION

(11) APPLICANT NAME (if paying by credit card, enter name exactly as it appears on your card)

(12) STREET ADDRESS LINE NO. 1

(13) STREET ADDRESS LINE NO. 2

(14) CITY

(15) STATE

(16) ZIP CODE

(17) DAYTIME TELEPHONE NUMBER (include area code)

(18) COUNTRY CODE (if not in U.S.A.)

COMPLETE SECTION C FOR EACH SERVICE. IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEETS (FORM 159-C)

SECTION C - PAYMENT INFORMATION

(19A) FCC CALL SIGN/MOTHER ID

N/A

(20A) PAYMENT TYPE CODE (PTC)

E**A****E**

(21A) QUANTITY

1

(22A) FEE DUE FOR (PTC) IN BLOCK 20A

\$**45.00**

FCC USE ONLY

(23A) FCC CODE 1

(24A) FCC CODE 2

(19B) FCC CALL SIGN/MOTHER ID

(20B) PAYMENT TYPE CODE (PTC)

(21B) QUANTITY

(22B) FEE DUE FOR (PTC) IN BLOCK 20B

FCC USE ONLY

(23B) FCC CODE 1

(24B) FCC CODE 2

(19C) FCC CALL SIGN/MOTHER ID

(20C) PAYMENT TYPE CODE (PTC)

(21C) QUANTITY

(22C) FEE DUE FOR (PTC) IN BLOCK 20C

FCC USE ONLY

(23C) FCC CODE 1

(24C) FCC CODE 2

(19D) FCC CALL SIGN/MOTHER ID

(20D) PAYMENT TYPE CODE (PTC)

(21D) QUANTITY

(22D) FEE DUE FOR (PTC) IN BLOCK 20D

FCC USE ONLY

(23D) FCC CODE 1

(24D) FCC CODE 2

SECTION D - TAXPAYER INFORMATION (REQUIRED)

(25)

PAYER TIN

5 5 0 7 3 7 5 5 6 0

APPLICANT TIN

SECTION E - CERTIFICATION

(27) CERTIFICATION STATEMENT

I, **Leigh E. Stevens**, Certify under penalty of perjury that the foregoing and supporting information
(PRINT NAME)

are true and correct to the best of my knowledge, information and belief. SIGNATURE

SECTION F - CREDIT CARD/PAYMENT INFORMATION

(28)

MASTERCARD/VISA ACCOUNT NUMBER:

EXPIRATION DATE:

MASTERCARD

VISA

I hereby authorize the FCC to charge my VISA or MASTERCARD
for the services (and/or other amounts) herein described.

AUTHORIZED SIGNATURE

DATE

SEE PUBLIC BURDEN ESTIMATE ON REVERSE

FCC FORM 159 JULY 1997 (REVISED)



FAX COVER SHEET

Page 1 of 2 pages

DATE: October 31, 1997

FROM: Douglas A. Young 1300 - E1
FEDERAL COMMUNICATIONS COMMISSION
Experimental Licensing Branch
2000 M Street, Suite 230
Washington, DC 20554

PHONE: (202) 418-2440

FAX: (202) 418-1918

TO: Mr. Leigh E. Stevens
NAME

Bombardier Services Corporation
COMPANY

(405) 248 - 4443
PHONE

(405) 248 - 4446
FAX

Mr. Stevens:

Here is a copy of Bombardier Services Corporation's STA for station WA2XOG, File Number S-3100-EX-97. The original license will be mailed today.

Doug Young