

Instructions For FCC 309

**Application for Authority to Construct or Make Changes in an
International or Experimental Broadcast Station**

- A. This form is to be used in applying for authority to construct a new International, Experimental Television, Experimental Facsimile, or a Developmental Broadcast, or to make changes in an existing International, Experimental Television, Experimental Facsimile, or a Developmental, Broadcast Station. This form consists of this part, Section I, and the following sections:

Section II, Legal Qualifications
Section III, Financial Qualifications
Section IV, Statement of Program Service

Section V, Engineering Data
Section V-G, Antenna and Site Information
Section VI, Equal Employment Opportunity Program

- B. Prepare three copies of this form and all exhibits. Prepare two additional copies (a total of five) of Section V-G and associated exhibits. File all the above with Federal Communications Commission, Washington, D.C. 20554.
- C. Number exhibits serially in the space provided in the body of the form and list each exhibit in the space provided on page 2 of this section. Date each exhibit.
- D. The name of the applicant stated herein shall be the exact corporate name, if a corporation; if a partnership, the names of all partners and the name under which the partnership does business; if an unincorporated association, the name of an executive officer, his office, and the name of the association.
- E. Information called for by this application which is already on file with the Commission (except that called for in Section V-G) need not be refiled in this application provided (1) the information is now on file in another application or FCC form filed by or on behalf of this applicant, (2) the information is identified fully by reference to the file number (if any), the FCC form number, and the filing date of the application or other form containing the information and the page or paragraph referred to, and (3) after making the reference, the applicant states: "No change since date of filing." Any such reference will be considered to incorporate into this application all information, confidential or otherwise, contained in the application or other form referred to. The incorporated application or other form will thereafter, in its entirety, be open to the public.
- F. If the applicant is now licensee of an existing AM, FM, TV, or International broadcast station, Section II need not be completed.
- G. This application shall be personally signed by the applicant, if the applicant is an individual; by one of the partners, if the applicant is a partnership; by an officer, if the applicant is a corporation, by a member who is an officer, if the applicant is an unincorporated association; by such duly elected or appointed officials as may be competent to do so under the laws of the applicable jurisdiction, if the applicant is an eligible government entity; or by the applicant's attorney in case of the applicant's physical disability or of his/her absence from the United States. (The attorney shall, in the event he or she signs for the applicant, separately set forth the reason why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than knowledge), he or she shall separately set forth reasons for believing that such statements are true.)
- H. Before filling out this application, the applicant should familiarize himself/herself with the Communications Act of 1934, as amended, Parts 1, 2, 17, 73, and 74 of the Commission's Rules and Regulations, and the International and Telecommunication Union's Radio Regulations, as appropriate.
- I. BE SURE ALL NECESSARY INFORMATION IS FURNISHED AND ALL PARAGRAPHS ARE FULLY ANSWERED. IF ANY PORTIONS OF THE APPLICATION ARE NOT APPLICABLE, SPECIFICALLY SO STATE. DEFECTIVE OR INCOMPLETE APPLICATIONS MAY BE RETURNED WITHOUT CONSIDERATION.

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

We have estimated that each response to this collection of information will take 6 hours. Our estimate includes the time to read the instructions, look through existing records, gather and maintain the required data, and actually complete and review the form or response. If you have any comments on this burden estimate, or on how we can improve the collection and reduce the burden it causes you, please e-mail them to pra@fcc.gov or send them to the Federal Communications Commission, AMD-PER, Paperwork Reduction Project (3060-1035), Washington, DC 20554. Please DO NOT SEND COMPLETED APPLICATIONS TO THIS ADDRESS. Remember - you are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1035.

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, P.L. 104-13, OCTOBER 1, 1995, 44 U.S.C. 3507.

United States of America
Federal Communications Commission
Washington, D.C. 20554

For Commission Use Only

File No.

**Application for Authority to Construct or Make Changes in an International
or Experimental Broadcast Station**

(Carefully read instructions before filling out Form—RETURN ONLY FORM TO FCC)

Section I

1. Name of Applicant (See Instruction D)

Airline Transport Communications, INC.

Street Address (24 characters)

6755 Shady Grove Road

City (20 characters)

Morrison

State

T N

ZIP Code

37357

Telephone No.

(Include Area Code)

(931) 222-9032

2. Name of person to whom communication should be sent if different from Item 1 above.

Name

Street Address

City

State

ZIP Code

Telephone No.

(Include Area Code)

()

3. Purpose of Application (Check appropriate boxes)

(a) Application is for: ☒ New Station ☐ Change in existing authorization

☐ Major

☐ Minor

(b) If this application is for a change in existing facilities, complete Section I plus any other Sections necessary to show all substantial changes in information previously filed with the Commission. Indicate below the Sections completed and filed with this application.

☒ Section II

☒ Section III

☒ Section IV

☒ Section V

☒ Section VG

☒ Section VI

(c) In the space below refer to information already on file with the Commission which, in accordance with Instruction E, may be incorporated in this application by proper reference.

File or Form No. and Date

Section No.

Paragraph No.

4. Requested Facilities

Frequency

(not applicable to international stations)

Antenna Input Power 75KW

Hours of Operation Up to 24 hours/day

Call Sign

(if application is for an existing station)

Type of Station:

☒

International

☐

Experimental television

☐

Experimental facsimile

☐

Developmental broadcast station

Location of Main Studio

Street Address

6755 Shady Grove Road

City

Morrison

State

Tennessee

ZIP Code

37357

Application for facilities other than international broadcast stations signify their understanding that:

- (1) All operation upon the frequency requested is for experimental purposes only;
- (2) The frequency requested may not be the best suited to the particular experimental work to be carried on;
- (3) The frequency requested may not be allocated for any service that may be developed as a result of the experimental operation;
- (4) Any frequency which may be assigned is subject to change without prior notice or right to hearing; and
- (5) Any authorization issued pursuant to the application may be modified or withdrawn at any time without prior notice or right to hearing.

The Applicant hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934.)

The Applicant represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

The Applicant acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all the exhibits are a material part hereof and are incorporated herein as if set out in full in the application.

Certification

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this _____ day of _____, 19 _____

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE
PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE,
TITLE 18, SECTION 1001.**

Airline Transport Communications, INC

(Name of Applicant)

BY, David L. Frantz

(Signature)

TITLE, President of Airline Transport Communications, INC

Exhibits furnished as required by this form:

Exhibit No.	Para. No. of Form	Name of officer or employee (1) by whom or (2) under whose direction exhibit was prepared (show which)	Official Title
1	Section IV, Para. 1	David L. Frantz	President of Airline Transport Communications, INC
2	Section V, Para. 2	David L. Frantz	President of Airline Transport Communications, INC
3	Section V, Para. 2	David L. Frantz	President of Airline Transport Communications, INC
4	Section V, Para. 4	David L. Frantz	President of Airline Transport Communications, INC
5	Section V, Para. 5	David L. Frantz	President of Airline Transport Communications, INC
6	Section V, Para. 7A	David L. Frantz	President of Airline Transport Communications, INC
7	Section V, Para. 7D	David L. Frantz	President of Airline Transport Communications, INC
8	Section V, Para. 9	David L. Frantz	President of Airline Transport Communications, INC
9	Section V-G, Para. 3	David L. Frantz	President of Airline Transport Communications, INC
10	Section V-G, Para. 4	David L. Frantz	President of Airline Transport Communications, INC

Section II

Legal Qualifications	Name of Applicant <u>Airline Transport Communications, INC</u>
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1. Legal identity of applicant (Put "X" in appropriate box)

☐ Individual	☐ Partnership	☒ Corporation
☐ Government Entity	☐ Other _____	(Specify)

2. If applicant is an individual, is applicant a citizen of the United States?

☐ YES ☐ NO

3. If applicant is a partnership, are all partners citizens of the United States?

☐ YES ☐ NO

4. If applicant is a corporation:

a. Under laws of what state was it organized? Tennessee

b. Is more than one-fifth of the capital stock of the corporation owned of record or may it be voted by aliens or their representatives or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country?

☐ YES ☒ NO

c. Is any officer or director of the corporation an alien?

☐ YES ☒ NO

If the answer is "yes", give the following for each:

Name	Nationality	Position
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d. Is applicant directly or indirectly controlled by any other corporation?

☐ YES ☒ NO

If the answer is "yes", give the following for the controlling corporation:

Name	Address	State in which Organized
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e. Is more than one-fourth of the capital stock of the controlling corporation either owned of record, or may it be voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporations organized under the laws of a foreign country?

☐ YES ☒ NO

f. Is any officer or more than one-fourth of the directors of the corporation an alien?

☐ YES ☒ NO

If the answer is "yes", give the name, nationality, and position of each, and give the total number of directors of the corporation:

Name	Nationality	Position	Number of Directors
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g. Is the above-described controlling corporation in turn a subsidiary?

☐ YES ☒ NO

If the answer is "yes", attach as EXHIBIT NO. _____ additional sheets answering the holding company questions in this paragraph for each company, to and including the organization having ultimate control.

5. a. If applicant is an unincorporated association, give the following:

Total number of members

Number of Alien Members (if any)

- b. State the following for alien officers or directors (if any):

Name

Nationality

Position

6. a. What is applicant's principal business?

Electronics

- b. Does applicant or any party to this application have an interest in, or connection with, any AM, FM, or television broadcast station (either domestic or foreign), or any application pending before the Commission?

☐ YES ☒ NO

If Yes, indicate in Exhibit No. _____ giving full particulars.

7. Is applicant a representative of an alien or of a foreign government?

☐ YES ☒ NO

If the answer is Yes, explain.

8. a. Has any radio station authorization previously issued to the applicant or party to this application been revoked, either by the Commission or by court order?

☐ YES ☒ NO

- b. Has any previous application by the applicant or party to this application been denied by the Commission or by a predecessor agency?

☐ YES ☒ NO

If the answer to (a) and/or (b) is "Yes", explain:

9. a. Has applicant or any party to this application been found guilty by any court of any felony?

☐ YES ☒ NO

- b. Has applicant or any party to this application been finally adjudged guilty by a federal court of the violation of the laws of the United States relating to unlawful monopoly, restraint of trade, and/or unfair methods of competition?

☐ YES ☒ NO

If the answer to (a) and/or (b) is "Yes", explain:

Section III

Financial Qualifications	Name of applicant Airline Transport Communications, INC	FOR COMMISSIONS USE ONLY File No.
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NOTE: If this application is for a change in an operating facility do not fill out this section.

YES NO

1. The applicant certifies that sufficient net liquid assets are on hand or are available from committed sources to construct and operate the requested facilities for three months without revenue.

☒ ☐

2. The applicant certifies that:

(a) it has a reasonable assurance of a present firm intention for each agreement to furnish capital or purchase capital stock by parties to the application, each loan by banks, financial institutions or others, and each purchase of equipment on credit;

(b) it can and will meet all contractual requirements as to collateral, guarantees, and capital investment;

(c) it has determined that a reasonable assurance exists that all such sources (excluding banks, financial institutions, and equipment manufacturers) have sufficient net liquid assets to meet these commitments.

☒ ☐

Section IV

Statement of Program Service of Broadcast Applicant

1. If programs are to be broadcast, attach as Exhibit No. 1 an outline of program plans and policies.

2. Research program (not applicable to international stations)

Attach as Exhibit No. N/A a statement outlining in detail the program of research and experimentation proposed and the object or objects thereof including therein a statement that upon authorization the applicant can and will proceed immediately with the proposed program, that the transmission of signals by radio is essential to the proposed program of research and experimentation, that the program of research and experimentation will be conducted by qualified personnel and include as a separate Exhibit No. _____ names and qualifications and an estimate of the period of time which will be required to complete the experimental program and terminate operation. If the transmission of broadcast program material is proposed, supply details as to the source of such program material and explicitly the reasons why the data sought cannot be obtained through the use of an unmodulated carrier, pulses, tones, or test pattern. If public participation is proposed to be sought, state the need therefor.

Section V

ENGINEERING DATA

NAME OF APPLICANT

Airline Transport Communications, INC

1. Purpose of authorization applied for: (Put "X" in appropriate box)

- ☒ Construct a new station
☐ Modify an existing authorization (Specify)

2. Facilities requested

FREQUENCY ¹	POWER ²	NECESSARY BANDWIDTH (KHz)	TYPE OF EMISSION ³
	75KW	5KHz	9K00A3E

¹ International Broadcast Station applicants need not specify frequency.

² For amplitude modulation television (AS), give maximum antenna input power during synchronizing pulses. If particulars are not fully described above, such as aural and visual carrier frequencies and power for television and type of emission, etc., supply this information as Exhibit No. N/A. Developmental stations using amplitude modulation or frequency modulation, give unmodulated antenna input power. For other types of emission, give a full description of method of determining power as Exhibit No. 2. Describe in Exhibit No. 3 the means which will be used for determining and maintaining power output of the transmitter to the values specified.

³ See Part 2 of the Commission's Rules and Regulations.

3. Proposed transmitter location

STATE	COUNTY	CITY
Tennessee	Coffee	Morrison

Number and Street (or other indication of location)

6755 Shady Grove Road

Geographic coordinates (to be determined to nearest second) of the proposed antenna structure

NORTH LATITUDE	WEST LONGITUDE
N 35° 37' 25"	W 086° 00' 53"

4. Attach as EXHIBIT No. 4 a map(s) (topographic where obtainable, such as U.S. Geological Survey quadrangles) for the area within 15 miles of the proposed transmitter location and show drawn thereon the following data:

- Proposed transmitter location—accurately plotted.
- Transmitter location and call signs of all known radio stations (except amateur) and the location of known commercial and government receiving stations within 2 miles of the proposed transmitter location.

5. Transmitting apparatus to be installed

MANUFACTURER	TYPE NO.
Airline Transport Communications, INC	100K
Rated Unmodulated Carrier Power Output 75KW	
(If the above transmitter(s) is/are composite or of a type for which data has not been filed with the F.C.C., attach as EXHIBIT No. <u>5</u> a complete technical description of the transmitter(s) and auxiliary equipment with functional (block) diagrams indicating tube complements and the operating constants of the last radio stage. Include also auxiliary radio frequency equipment such as multiplexing networks, sideband filters, etc. If experimental program is likely to make major changes necessary, indicate the tentative arrangement contemplated indicating those portions which are subject to change.)	

6. Transmission line proposed to supply power to the antenna from the transmitter

MAKE	TYPE NO.	DESCRIPTION
Local fabricated	N/A	Open wire feeder and coaxial cable
SIZE IN INCHES (nominal inside transverse dimension)	LENGTH IN FEET	Rated efficiency in percent for this length
13" open wire feeder	150ft open wire feeder	95%
2.25" coaxial cable	30ft of coaxial cable	

7. (a) Antenna structure

Is the proposed construction in the immediate vicinity or does it serve to modify the construction of any AM broadcast station, FM broadcast station, television broadcast station, or other class of radio station?

If "Yes", attach as EXHIBIT No. _____
 complete engineering data thereon.

☐ YES☒ NO

Submit as EXHIBIT No. 6 a vertical plan sketch for the proposed total structure (including supporting buildings, if any) giving heights above ground in feet for all significant features.

Over-all height in feet above ground. (Do not include the height of any obstruction lighting which may be required.) 150

Over-all height in feet above mean sea level. (Do not include the height of any obstruction lighting which may be required.) 1200 MSL

(b) Antenna data

NOTE: Applicants for international broadcasting stations should submit all pertinent data regarding antenna characteristics in accordance with the requirements of the International Telecommunication Union's Radio Regulations.

MAKE	TYPE NO. OR DESCRIPTION
Local fabrication	Rhombic

NUMBER OF SECTIONS	ANTENNA POWER GAIN
N/A	12Db

(c) During course of experimentation, will antenna system be changed?

If "Yes", attach EXHIBIT No. _____
 the changes or modifications contemplated.

☐ YES☒ NO

(d) Is directional antenna proposed?

If "Yes", attach as EXHIBIT No. 7
 complete engineering data thereon.

☒ YES☐ NO

8. Frequency or percentage of modulation measurement.

(a) Method of measuring or monitoring station frequency.

Digital Frequency Counter

(b) Method of measuring or monitoring station modulation.

Oscilloscope

9. Environmental Statement, See Part 1, Subpart I of the rules.

Would a Commission grant of your application be a major action as defined by Section 1.1305 of the Commission's rules?

If "Yes", attach as EXHIBIT No. 8
 the required statement in accordance with Section 1.1311 of the rules.
 If "No", explain briefly.

☒ YES☐ NO

Broadcast Application		FEDERAL COMMUNICATIONS COMMISSION		Section V-G (Antenna)	
ANTENNA AND SITE INFORMATION <i>(See Instructions B, Section 1)</i>		NAME OF APPLICANT Airline Transport Communications, INC		CALL SIGN	
CLASS OF STATION International Broadcast		STATION LOCATION 6755 Shady Grove Road Morrison, TN 37357			
FACILITIES REQUESTED International Broadcast		PURPOSE OF APPLICATION <i>(Put "X" in appropriate box)</i> ☐ a. New antenna construction ☐ b. Alteration of existing antenna structure ☐ c. Change in location Existing towers have been in place for 21 years			
LEGAL COUNSEL		3. Has the FAA been notified of proposed construction? <i>(See Part 17 of FCC Rules)</i>			
ADDRESS		☒ YES If yes, give date and office where notice was filed. FAA was notified of existing towers when co-located			
CONSULTING ENGINEER		☐ NO airstrip was opened in 2007. This was filed in Memphis, TN with the FAA in 2007. Please see Exhibit 9: FAA form 5010-2 where multiple radio towers are noted at end of form.			
ADDRESS					
1. LOCATION OF ANTENNA			4. FEATURES OF SURROUNDING TERRAIN		
STATE Tennessee	COUNTY Coffee	CITY OR TOWN Morrison		Submit as Exhibit No. <u>10</u> a chart on which is plotted the exact location of the antenna site, and also the relative location and height of any natural formation or existing man-made structures (trees, water tanks, towers, buildings, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft. The chart used shall be a 7.5 or 15 minute series topographic quadrangle (choice depending upon proximity of the antenna site to landing areas) or full scale photo copy. On the chart include 1) a scale of miles, 2) sufficient latitude and longitude lines, clearly labeled, so that the location of sites may be verified, and 3) all identifying map information. These charts may be purchased from the U.S. Geological Survey, Washington, D.C. 20242 or, for areas west of the Mississippi River, from the U.S. Geological Survey, Denver, Colorado 80225. <i>(Exception — Where the proposed antenna site is within the boundary of landing areas, submit a self-made, large scale map showing antenna site runways and existing man-made structures.)</i>	
Exact antenna location <i>(street address)</i> . If outside city limits, give name of nearest town and distance and direction of antenna from the town. 6755 Shady Grove Road Morrison, TN 37357					
Geographical coordinates <i>(to nearest second)</i> . For directional antenna give coordinates of center of array. For single vertical radiator give tower location.					
North latitude N35° 37' 57"	West longitude W086° 01' 01"				
2. Is the proposed site the same or immediately adjoining the transmitter-antenna site of other stations authorized by the Commission or specified in another application pending before the Commission? ☒ YES ☐ NO If yes, give call sign: <u>WA4SZE (Amateur Radio)</u>					
5. List all landing areas within 10 miles of antenna site. Give distance and direction to the nearest boundary of each landing area from the antenna site.					
Landing Area		Distance		Direction	
(a) KRNC		9.1 nautical miles		062° magnetic	
(b) 43TN		0.2 nautical miles		180° magnetic	
(c)					
6. Description of antenna system <i>(If directional, give spacing and orientation of towers)</i> .					
Type <u>Rhombic; see Exhibit #7 for additional details on spacing and orientation</u>					
Description of tower(s) <u>Guyed steel towers</u>					
Self-supporting ☐	Guyed ☒ 4			Tubular (Pole) ☐ 0	
Tower <i>(height figures should include obstruction lighting)</i>	#1	#2	#3	#4	#5
Height of radiating elements	~140 feet	~140 feet	~140 feet	~140 feet	N/A
Overall height above ground	150 feet	150 feet	150 feet	150 feet	N/A
Overall height above mean sea level	1200 feet	1200 feet	1200 feet	1200 feet	N/A
7. If a combination of AM, FM, or TV operation is proposed on the same multi-element array <i>(either existing or proposed)</i> submit as Exhibit No. <u>N/A</u> a horizontal plan for the proposed antenna system, giving heights of the elements above ground and showing their orientation and spacing in feet. Clearly indicate if any towers are existing.					
8. Submit as Exhibit No. <u>6</u> a vertical plan sketch for the proposed total structure <i>(including supporting building, if any)</i> giving heights above ground in feet for all significant features. Clearly indicate existing portions, noting lighting, and distinguish between the skeletal or other main supporting structure and the antenna elements.					
I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.					
1/21/2021 <i>(date)</i>		Signature  <i>(check appropriate box below)</i>			
☐ Technical Director		☒ Chief Operator		☐ Registered Professional Engineer ☐ Consultant	

Section VI

Equal Employment Opportunity Program

1. Does the applicant propose to employ five or more fulltime employees?

☐ YES ☒ NO

If the answer is Yes, the applicant must include an EEO program called for in the Model EEO Program. (FCC Form 396-A)