You will be presented with the FCC FORM 159, Fee Remittance Advice after submitting your application and obtaining a confirmation number. This Fee Remittance Advice, FCC Form 159, must currently be submitted in paper form along with payment to the address indicated in the FCC Fee Filing Guide. Electronic submission of FCC Form 159 is not currently available.

APPLICATION FOR NEW OR MODIFIED RADIO STATION UNDER PART 5 OF FCC RULES - EXPERIMENTAL RADIO SERVICE (OTHER THAN	Approved by OMB 3060 - 0065 Expires 09/30/98
	File No.
i idding riction gracina, inci	0108-EX- PL-2000
2. * Mailing Address:	11-2000
Attention:*	
Stephan Carrier	
Street Address:*	
11717 Exploration Lane	
P.O. Box:	
City: State: Zip Code: E-Mail Address:	
Germantown MD 20876	
3(a). * Application is for: NEW STATION Sile No: Callsign:	
Is this authorization to be used for fulfilling the requirement of a government contract with an agency the United States Government? If "YES", include as an exhibit a narrative statement describing the government project, agency and contract number. 5. * Is this authorization to be used for the exclusive purpose of developing radio equipment for export to lemployed by stations under the jurisdiction of a foreign government? If "YES", include the contract number and the name of the foreign government concerned as an exhibit.	Yes No
 6. * Is this authorization to be used for providing communications essential to a research project? (The raccommunication is not the objective of the research project)? If "YES", include as an exhibit the following information: a. A description of the nature of the research project being conducted. b. A showing that the communications facilities requested are necessary for the research project involved. c. A showing that existing communications facilities are inadequete. 	
7. If all the answers to Items 5, 6, 7 are "NO", include as an exhibit a narrative statement describing in d following items:	etail the
 a. The complete program of research and experimentation proposed including description of equitheory of operation. b. The specific objectives sought to be accomplished. c. How the program of experimentation has a reasonable promise of contribution to the developm extension, expansion or utilization of the radio art, or is along line not already investigated. 	-

8. * Give an estimate of the length of time that w	vill be required to complete	the program of ex	perimentation			
proposed in this application: 12 in	Monuns					
9. * Would a commission grant of this application						
may have a significant environmental impac						
Assessment as required by Section 1.1311.			€ No			
11. List below transmitting equipment to be						
MANUFACTURER	MODEL NUMBER	NO. OF UNITS	EXPERIMENTAL?			
Hughes Network Systems	Thuraya Hndheld		[©] Yes No			
	(Sat. Phone)		Yes No			
Hughes Network Systems	Sat. Simulator		[€] Yes No			
			Yes No			
	-		Yes No			
11. * Is the equipment listed in Item 10 capat	ble of station identification	pursuant to Section	on 5.152? Yes			
			€ No			
12. *Applicant is:			····			
INDIVIDUAL ASSOCIATION If "OTHER" is selected, include as an exhibi						
13. * Is applicant a foreign government or a			Yes			
€						
14.*						
application for permit, license or renewal denied by this Commission?						
If "YES", include as an exhibit a statement g circumstances.		permit revoked ar	nd relate No			
15. * Will applicant be owner and operator o	f the station?		€ Yes			
			∩ No			
16. Give the following information of person who can best handle inquiries pertaining to this application: * Last Name:						
Joshi						
* First Name:	AND THE POSITION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMIN					
Nandan						
* Title:	J					
Attorney						
* Phone Number (include area code):	Materians on an angular or publish an arrangen paga paga at the					
202-637-2200						
E-Mail Address:						
17. * APPLICANT ANTI-DRUG ABUSE CE			nse. This Yes			
By checking "YES", the individual applicant requires that he or she is not subject to a deni	certifies that he or she is elial of federal benefits, inclu	ligible for this licer				
a drug offense conviction pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862. A non-individual applicant, e.g., corporation. partnership or other unincorporated association, certifies						
that no party to the application is subject to a	a denial of federal benefits,					
definition of a "party" for these purposes, see	≥ 47CFR 1.2002(b).					

18. CERTIFICATION:

THE APPLICANT CERTIFIES THAT:

- a. Copies of the FCC Rule Parts 2 and 5 are on hand; and
- Adequete financial appropriations have been made to carry on the program of experimentation which will be conducted by qualified personnel; and
- c. All operations will be on an experimental basis in accordance with Part 5 and other applicable rules, and will be conducted in such a manner and at such a time as to preclude harmful interference to any authorized station; and
- d. Grant of the authorization requested herein will not be construed as a finding on the part of the Commission:
 - 1. that the frequencies and other technical parameters specified in the authorization are the best suited for the proposed program of experimentation, and
 - 2. that the applicant will be authorized to operate on any basis other than experimental, and
 - 3. that the Comission is obligated by the results of the experimental program to make provision in its rules including its table of frequency allocations for applicant's type of operation on a regularly licensed basis.

THE APPLICANT FURTHER CERTIFIES THAT:

- e. All the statements in the application and attached exhibits are true, complete and correct to the best of the applicant's knowledge; and
- f. The applicant is willing to finance and conduct the experimental program with full knowledge and understanding of the above limitations; and
- g. The applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the USA.

Name of Applicant: Hughes Network Systems, Inc.	
* Signature (Authorized person filing form):	Signature Date
Stephan Carrier	(Authorized person filing form): 05/10/2000
* Title of Person Signing Application:	
Vice President & General Counsel	
*Check appropriate classification:	
Individual Applicant Member of applicant partnership	
Authorized employee G Office of applicant corporation or association	
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNI IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REV LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION FORFEITURE (U.S. CODE, TITLE 47, SECTION	OCATION OF ANY STATION CTION 312(A)(1)), AND/OR

NOTIFICATION TO INDIVIDUALS UNDER PRIVACY ACT OF 1974 AND THE PAPERWORK REDUCTION ACT OF 1980

Information requested through this form is authorized by the Communications Act of 1934, as amended, and specified by Section 308 therein. The information will be used by Federal Communications Commission staff to determine eligibility for issuing authorizations in the use of the frequency spectrum and to effect the provisions of regulatory responsibilities rendered by the Commission by the Act. Information requested by this form will be available to the public unless otherwise requested pursuant to 47 CFR 0.459 of the FCC Rules and Regulations. Your response is required to obtain this authorization.

Public reporting burden for this collection of information is estimated to average four (4) hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0065), Washington DC 20554. DO NOT send completed applications to this address. Individuals are not required to respond to this collection unless it displays a currently valid OMD control number.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

The following is a List of antennas associated with this license. To view this antenna and its frequencies, please select the row by selecting the "View Antenna Detail" button.

View Antenna Detail	Antenna type	City						Longitude Direction	
	Base and Mobile	Rockville	MD	North	39	6	29	West	77

F© Federal Communications Commission

The purpose of this application is to: Modify data pertaining to this antenna Delete this antenna from the application/license		EDERAL COMMUNI GISTRATION FORM			PL-2000
Delete this antenna from the application/license 2a. * Proposed location of transmitter and transmitting antenna: FIXED/BASE MOBILE BASE AND MOBILE 2b. If permanently located at a FIXED location, give below: State: County: MARYLAND MONTGOMERY Number and street (or other indication of location): 7361 Calhoun Place 2c. If mobile, describe the exact area of operation: 2d. *If fixed, enter the geographical coordinates exact to the nearest second. If mobile or base and mobile, enter either the area of operation or the fixed/center coordinates and the radius of operation. North Latitude(DD-MM-SS): West Longitude(DDD-MM-SS): Radius of Operation: Km 39	1. * The purpose of this appl	ication is to:			
2a. * Proposed location of transmitter and transmitting antenna: FIXED/BASE MOBILE BASE AND MOBILE 2b. If permanently located at a FIXED location, give below: State: County: MARYLAND MONTGOMERY Number and street (or other indication of location): 7361 Calhoun Place 2c. If mobile, describe the exact area of operation: 2d. *If fixed, enter the geographical coordinates exact to the nearest second. If mobile or base and mobile, enter either the area of operation or the fixed/center coordinates and the radius of operation. North Latitude(DD-MM-SS): West Longitude(DDD-MM-SS): Radius of Operation: Km 39	Modify data pertaining	g to this antenna			
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2b. If permanently located at a FIXED location, give below: State: County: MARYLAND MONTGOMERY Number and street (or other indication of location): 7361 Calhoun Place 2c. If mobile, describe the exact area of operation: 2d. *If fixed, enter the geographical coordinates exact to the nearest second. If mobile or base and mobile, enter either the area of operation or the fixed/center coordinates and the radius of operation. North Latitude(DD-MM-SS): West Longitude(DDD-MM-SS): Radius of Operation: Km 39		•			
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NAD 27 NAD 83 4. *Is a directional antenna (other than radar) used? If "YES", give the following information: (a) Width of beam in degrees at the half-power point: (b) Orientation in horizontal plane: (c) Orientation in vertical plane: 5. * Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? If "YES", give the following: (a) Overall height above ground to tip of antenna is Description: Yes No meters.	either the area of operation North Latitude(DD-MM-SS	or the fixed/center coordin): West Long	ates and the radius of o itude(DDD-MM-SS):	peration.	us of Operation:
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(c) Orientation in vertical plane: 5. * Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? If "YES", give the following: (a) Overall height above ground to tip of antenna is The structure of the proposed antenna be mounted on an existing and the proposed antenna be mounted on an existing and the proposed antenna be mounted on an existing and the proposed antenna be mounted on an existing and the proposed antenna be mounted on an existing and the proposed antenna be mounted on an existing and the proposed antenna be mounted on an existing and the proposed antenna be mounted on an existing and the proposed antenna be mounted on an existing and the proposed antenna be mounted on an existing structure other than a building? If "YES", give the following: (a) Overall height above ground to tip of antenna is			"YES", give the follow	ing information:	←Yes ♠ No
5. * Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? If "YES", give the following: (a) Overall height above ground to tip of antenna is meters.	(b) Orientation in horizonta	l plane:			
building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? If "YES", give the following: (a) Overall height above ground to tip of antenna is meters.	(c) Orientation in vertical pl	lane:			
(a) Overall neight above ground to tip of antenna is	building, will it extend more	than 6 meters above the bi	uilding, or will the prop	osed antenna be	Yes No
(b) Elevation of ground at antenna site above mean sea level is meters.	(a) Overall height above grou	und to tip of antenna is 2	meters.		
	(b) Elevation of ground at an	ntenna site above mean sea	level is	meters.	
(c) Distance to nearest aircraft landing area is 4 kilometers.	(c) Distance to nearest aircra	oft landing area is 4	kilometers.	Í	
(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft and thereby minimize the aeronautical hazard of the antenna.	towers, etc.) which, in the op	inion of the applicant, wou	ld tend to shield the ant	enna from	

entrance and cooling tower	bove the roof edge line. The se are higher than the antenna by below the overall roof line.	
building, if any, giving heights in met	ofile sketch of total structure including supp ters above ground for all significant features iculars of aviation obstruction lighting alrea	. Clearly

Click here to view frequencies for this antenna

	FEDERAL COMMUNICATIONS COMMISSION ANTENNA FREQUENCY R ANTENNA LOCATION: Fixed/Base Rockville, MD COORDINATES: 39 6 29 N latitude 77 9 3 W longitude									
Particulars of Operation Row Click For Action Lower/Upper Power Emissions Frequency						ower				
		Add	1545	1559	MHz	0.1	Watts	4		
		Add	1646.5	1660.5	MHz	4	Watts	4		
							and the second s			
						and the state of t				