FEDERAL COMMUNICATIONS COMMISSION Washington, DC 20554

I. Applicant's Name and Post Office eddress

APPROVED BY DMB 3060-0065 Expires 9/30/98

DO NOT WRITE IN THIS BLOCK

APPLICATION FOR NEW OR MODIFIED RADIO STATION AUTHORIZATION UNDER PART 5 OF FCC RULES - EXPERIMENTAL RADIO SERVICE (OTHER THAN BROADCAST)

(Street address, city, state, and ZIP Code See Instruction No. 4) CEORIC L. JERNIGAN GTE Government Systems 100 Ferguson Drive 1.0. Box 7188 NOUNTAIN VIEW, CA 94039 222 ppileation for (check only one box)				5996-EX-PL-97 2(b). For Modification indicate below:			
New	station 🔲 a	Modification of existing	authorization	Pile No:	Call	Sign:	
				rticulars to be modif	led. Check either		
FREQUEN		EMISSION -		POWER -	<u> </u>	ATION -	
addition [or replacement?	addition or	replacement?	addition or [] r	eplacement?	ddiklon or 🗍 replacement?	
4. Particula Frequency is whether this	-	see instruction be	low)	EMISSION	MODULATING	NECESSARY BANDWIDTH	
_ ω	(8)	(0)	(0)	d) (E)	(L) SIGNET	(KH2)	
14 05	60 20W	40W EIRP	MEAN	Inmarsot-C	Inmarst-C	Inmarsot-C	
	ach frequency or			more space is require		BIT No.	
(B) Insert units. (D) Insert (E) List e (F) Insert (I) the (2) me (3) fre (4) pu	maximum RF. ou maximum effecti "MEAN" or "PEAK	tput power at the live radiated power. (See definitions on separately for the type of most factor of keying in bautulating frequence of carrier, repetition rate.	e transmitter to er from the art in Part 5), reach frequent dulation:	erminals. Specify unitenna (If pulsed eminer) and control of the c	its ssion, specify pea	•	
			•	d in space provided	below. FC	C Form 442 - Page 2 March 1996	

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5(a). Proposed location of transmitter and transmitting antenna (check FIXED/BASE MOBILE	only one box) BASE AND MOBILE
5(b). If permanently located at a fixed location, give below:	5(d). If mobile, describe the exact area of
State County City or Town	operation
CA SANTA CLARA MOUNTAIN VIEW	
Number and street (or other indication of location)	
100 Ferguson Drive	
100 reguesti vilve	E(a) Fater gas-rabiast accordinates of the same visuals
5(c). Enter geographical coordinates exact to the nearest second	5(e). Enter geographical coordinates of the approximate center of proposed area of operation (mobile applications)
North Latitude West Longitude EAST	North Latitude West Longitude
36 23 31.2 237 56 31.2	0 ' " 0 ' "
6. Is a directional antenna (other than radar) used?	
If "YES", give the following information:	NO
(a) Width of beam in degrees at the half-power point	
(b) Orientation in horizontal plane (c) Orienta	tion in vertical plane
s this authorization to be used for fulfilling the requirement of a go United States Government?	overnment contract with an agency of the NO
If "YES", attach as EXHIBIT No a narrative statement of	describing the government project
agency and contact number.	
8. Is this authorization to be used for the exclusive purpose of developing by stations under the Jurisdiction of a foreign government? YES If "YES", attach as EXHIBIT No the following information of the foreign government concerned.	NO
9. Is this authorization to be used for providing communications essentication is not the objective of the research project).	al to a research project? (The radio communi-
If "YES", attach as EXHIBIT No a narrative statement p	
(a) A description of the nature of the research project being conducte	ed.
(b) A showing that the communications facilities requested are necess	
(c) A showing that existing communications facilities are inadequate.	
O. If all the answers to Items 7, 8, and 9, are "NO", attach as EXHIBIT No. in detail the following:	a narrative statement describing
(a) The complete program of research and experimentation proposed	including description of equipment
and theory of operation.	
(b) The specific objectives sought to be accomplished.	contribution to the devialanment autonoism
(c) How the program of experimentation has a reasonable promise of expansion, or utilization of the radio art, or is along line not alread	dv investigated.
(a). Give an estimate of the length of time that will be required to comp	
in this application.	and the Alleger transfer
(b) If less than 2 years, give the length of time in months that the auth will be required. 5 years	
2. Would a Commission grant of this application come within Section 1	L1307 of the FCC Rules, such that it may have a
	NO
If you answer "YES", submit an Environmental Assessment required	by Section 1.1311.
List below transmitting equipment to be installed (if experimental, s MANUFACTURER TYPE	so state):
Trimble Inmarsat-C TNL7002	1

- 14.	Is the eq	uipment listed in	Item 13 capable of su	ation identification pur	suant to Section 5.152	YES	X] NO
15.	Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it ext more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? YES NO							
		If "YES", give the following (see instruction 9): (a) Overall height above ground to tip of antenna is meters.						
	(b) Elevation of ground at antenna site above mean sea level is meters.							
	(c) Distan	(c) Distance to nearest aircraft landing area is kilometers.						
	the op		cant, would tend to:	n-made structures (hills, shield the antenna fron				, in
	if any,	giving heights li	n meters above groun	cal profile sketch of to nd for all significant fe thing already available	satures. Clearly indica			
16.		1st (Check only one			,			
		_	SSOCIATION	☐ PARTNERSHIP				
		R (describe below		 -				
17.	Is applican	t a foreign gover	nment or a represen	tative of a foreign gov	ernment?	☐ YES	Ø	NO
18.	Has applies	ant or any party	to this application has	ad any FCC station licential by this Commission?	ase or permit revoked	_		
				statement giving call sig	n of license or perm	∐ YES	×	NO
-		nd relate circumst						
ડિ.	Will applie	ant be owner and	d operator of the sta	tion?		⊠ yes		NO
20.	Give name to this app	lication. CEDER	one number (include C. L. JERNIGAN, 966-4338	area code) of person w	tho can best handle i	nquiries pe	rtainin	ıg
21.	By checkin denial of f 21 U.S.C. 86: association)	ng "YES", the application of the application of the case of the case of the application o	hat includes FCC ber of a non-individual a applicant is subject	n the case of an individ- nefits, pursuant to Section applicant (e.g., corporation to a denial of federal be these purposes, see 47 C	on 5301 of the Anti-1 on, partnership, or ot enefits, that includes	Drug Abuse her uninco	Act of porate	r 1988 ∍d
22.	List below	all exhibits in nu	merical sequence an	d the item number of for	orm requiring the ex	chibit ident	ified.	
EXH	BIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITBM	NO. OF F	ORM
	1	10						
		l	-	1	1	1		

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23.	CERT FICATION:
	Attention: Read this certification carefully before signing this application.
	THE APPLICANT CERTIFIES THAT:
	 (a) Copies of FCC Rule Parts 2 and 5 are on hand; and (b) Adequate 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 Commission 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.
	APPLICANT CERTIFIES FURTHER 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.
	Signed and dated this
	Name of Applicant Codric L. Janigan
	By CEDRIC L. JERNIGAN gotic agrin Jernegan (signature)
	(print) (zigneture)
	Title Staff Engineer
	Check appropriate classification:
	☐ Individual applicant ☐ Member of applicant partnership
	Authorized employee D Office of applicant corporation or association
18 S	FUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title section 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, on 312(a)(1), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).
	NOTIFICATION TO INDIVIDUALS UNDER PRIVACY ACT OF 1974 AND THE PAPERWORK REDUCTION ACT OF 1980
	mation requested through this form is authorized by the Communications Act of 1934, as amended, and specifically ction 308 therein. The information will be used by Federal Communications Commission staff to determine

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Information requested through this form is authorized by the Communications Act of 1934, as amended, and specifically 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 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.

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. 98-511, DECEMBER 11, 1980, 44 U.S.C. 3507.