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FEDERAL COMMUNICATIONS COMMISSION Washington, DC 20554

(4) pulse duration and repetition rate.

For complex emissions, describe in detail in the space provided below. (G) Describe how the necessary bandwidth was determined in space provided below.

APPROVED BY OMB 3060-0065 Expires 12/31/95

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

Applicant's Name and Post Office address (Street address city, state, and ZIP Code. See Instruction No. 40 TRIMBLE NAVIGATION, LTD 645 NORTH MARY AVE SUMMYVALE, CA 94086				Pile Na.			
				5061-EX-PI-95			
(a). Application	for (obeok or	nly one box)		2(b). For Modificat	tion indicate balov	w;	
A New station	☐ Mod	lification of existing	authorization	File No:	Call	Sien:	
Application fo	or modification	indicate wheth	her change is	an addition or repla			
FREQUENCY	☐ EMI	☐ EMISSION ☐ POWER ☐ LOCATION					
		below or in attached		· · · · · · · · · · · · · · · · · · ·			
Frequency (state whether lift or MHz)	POWER			EMISSION	MODULATING SIGNAL	NECESSARY BANDWIOT	
hacs to	70 M	40W EIRP		IOMARSAT- C	In MARSAT - C	(G)	
646.5 MHZ	#0 W	1000 LIN	IIISBIT	TOPINI NOTE C	Trinanon - C	Inmakset-C	
(B) Insert maxi (C) Insert maxi (D) Insert "MEA (E) List each to (F) Insert as ap (1) the max (2) maximum	mum RF. outpoint of fective in the fection in the f	it power at the sericited power at the sericited power (See definitions a meparately for the type of mod keying in band ating frequency	transmitter to r from the and in Pert 5). each frequency sulation:	more space is requireminals. Specify unitenna (if pulsed emery. (See Section 220)	its. ission, specify pea		

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	sed location of trans	mitter and transmit	ting antenna (only one box BASE AND				
5(b). If peri	County	a fixed location give City or Town			5(d). If mob operati	on		١	of
Number an	Number and street (or other indication of location)				THROUGHOUT US FOR DEMO,				
*45					MA RKETING	1	स्ब	, ,	
5(c). Enter ge	eographical coordiantes ex	act to the nearest secon	ď		5(e). Enter ge center of prop				
North Latitude		West Longitude		-	North Latitude			Longitude	
0	• -	٥	P.		37° 23	64	122	02	1 5
	ctional antenna (oth								
	give the following h of beam in degree		point	K	NO				
	tation in horizontal		_	Orlenu	ation in verti	cal plane			
7. Is this at	uthorization to be us	ed for fulfilling th	e requirement	ાં ૧	government c	ontract w	ith an a	gency of	the
	States Government?		☐ YES	Ø	NO			· .	
	attach as EXHIBIT N and contact number.		narrative state	ment	describing th	e governi	nent pr	aject,	
	uthorization to be us ons under the jurisdi			avelop	ping radio equ	ilpment fo	or expo	t to be em	nployed
2, 1010			□ YES	X	ио				
	attach as EXHIBIT Notes the foreign govern			forma		the contr	act num	ber and th	he
	uthorization to be us			essent	tial to a resea	rch projec	t? (The	radio com	muni-
	not the objective of		CU. YES narrative state	X	No				
	attach as EXHIBIT N eription of the natu	oa re of the research	narrative state project being c	ment onduc	provding the sted.	following	infort	nation:	
(b) A sho	owing that the commowing that existing	unications fecilities	requested are	nece	ssary for the	Lezesich	project	involved	
10. If all the	answers to Items 7.	8, and 9, are "NO", a	ttach as EXHIB	IT No.	1	_ s narra	tive sta	tement de	escribin _i
(a) The c	complete program of	research and exper	dmentation pr	oposed	i including de	escription	of equi	pment	
(b) The s	heary of operation pecific objectives so	_							
	the program of expansion, or utilization of						evelopn	ient exter	nsion,
	n estimate of the lar	ngth of time that w	ili be required	to cor	mplete the pr	ogram of	experin	entation	propose
(b) If less	than 2 years, give th	•	months that t	he au	thorization re	equested l	n this a	pplication	
	a Commission grant	of this application	come within 5	ection	11907 of the	ECC Dules	euch t	hat It mas	, have
	ant environmental		☐ YES	図		ree nate	+ 20011 r	1101 11 11103	, Here
If you	answer YES, submi	an Environmental		quire		L1311.			
	low transmitting equ ACTURER	ilpment to be instal	led (If experin	nental	, so state):			NO. OF	UNITS
	6 8 Thrane, As		TT · 30 2	2				A	
Liftern								1	
								_	~

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14.	Is the equipment listed in Item 13 capable of station identification pursuant to Section 5.152? YES NO								
15.	Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it exten 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) Distance to nearest aircraft landing area is kilometers								
	(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								
	(e) Submit as EXHIBIT Noa vartical profile sketch of total structure including supporting building, if any, giving heights in meters above ground for all significant features. Clearly indicate existing portion, noting particulars of aviation obstruction lighting already available.								
16.	Applicant is (Check only one box)								
	☐ INDIVIDUAL ☐ ASSOCIATION ☐ PARTNERSHIP ☒ CORPORATION								
	OTHER (describe below)								
7.	Is applicant a foreign government or a representative of a foreign government?								
18.	Has applicant or any party to this application had any FCC station license or permit revoked or had any application for permit license or renewal denied by this Commission? If "YES", attach as EXHIBIT No a statement giving call sign of license or permit revoked and relate circumstances.								
_									
a). 	Olve name, title, and telephone number (include area code) of person who can best handle inquiries pertaining to this application. PAT DEANE 408/481-2284 TRIMBLE NAVIGATION, LTD 94088_3642 PIREGOR OF ENGINEERING 645 NORTH MARY AVE, SUNTYVALE, CA								
2L	APPLICANT ANTI-DRUG ABUSE CERTIFICATION: By checking "YES", the applicant certifies that in the case of an individual applicant, he or she is not subject to denial of federal benefits, that includes FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862, or, in the case of a non-individual applicant (e.g., corporation, partnership, or other unincorporated association), no party to the applicant is subject to a denial of federal benefits, that includes FCC benefits, pursuant to that section. For the definition of "party" for these purposes, see 47 CFR 12002(b). YES NO								
22	List below all exhibits in numerical sequence and the item number of form requiring the exhibit identified.								
EXH	IBIT NUMBER IZEM ND. OF FORM EXHIBIT NUMBER ITEM ND. OF FORM EXHIBIT NUMBER ITEM ND. OF FORM								
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	,								

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23. CERTIFICATION:

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

Section 312(a)(1), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

- (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 page of the Commission:
 (D) 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	28-h	day of	November,	2.19 9.5
Name of Applicant	TRIMBLE NAVIG	ATION, LTd.		
$By = \sqrt{6h\eta}$	E. CRANE	respond with nome o	given on page 17 ISME Come	
TILLO SENJOR SO	FTWARE ENGINEER,	TRACKING	(zignature)	
Check appropriate classificat	•	——— ч		
Individual applicant	Member of applicant	partnership		
Authorized employee	Office of applicant c	orporation or ass	ociation	
WILLFUL FALSE STATEMENTS MAD 18 Section 1001), AND/OR REVOCA				

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 specifically by Section 808 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, PL 99-579, DECEMBER 31, 1974, 5 U.S.C. 5522(e)(9), AND THE PAPERWORK REDUCTION ACT OF 1980, PL 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.