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## Federal Communications Commission

Washington, D.C. 20554

SEP 1 9 1989

EX. APPLICATION FOR NEW OR MODIFIED RADIO STATION AUTHORIZATION UNDER PART 5 OF FCC RULES

EXPERIMENTAL RADIO SERVICE (OTHER THAN BROADCAST) AN SHANCH

2.(a) Application for (check only one box)    X   New Station   Modification of existing authorization   File No.: Call Sign:	INTELCO	y, state, and ZIP C I Support S Road 174 k 44	address Code. See Instruction No. ervices, Incorp		File No. 1261-6	WRITE IN THIS BLO	CK
3. Application for modification indicate change in (check all that apply)    Frequency	2.(a) Application for	(check only one be	ox)		2.(b) For Modification indi	cate below	
General Prequency   Emission   Power   Location	X New Statio	n 🗆 Mo	dification of existing author	orization	File No.:	Call Sign:	
Other particulars (describe below or in attached Exhibit No	3. Application for n	nodification indicate	change in (check all that	apply)			
4. Particulars of Operation (See Instructions below)  Frequency (State Whether life or Mitz)  (A) (B) (C) (D) (E) (E) (G)  150.920MHZ 53W 120W (ERP) MEAN 20KG3E ±0.005% 20KHZ  150.980MHZ 53W 120W (ERP) MEAN 20KG3E ±0.005% 20KHZ  154.525MHZ 53W 120W (ERP) MEAN 20KG3E ±0.005% 20KHZ  154.625MHZ 53W 120W (ERP) MEAN 20KG3E ±0.005% 20KHZ  154.625MHZ 53W 120W (ERP) MEAN 20KG3E ±0.005% 20KHZ  154.625MHZ 53W 120W (ERP) MEAN 20KG3E ±0.005% 20KHZ  (A) List each frequency or frequency band separately. (If more space is required, attach as Exhibit No).  (B) Insert maximum R.F. output power at the transmitter terminals. Specify units.  (C) Insert maximum effective radiated power from the antenna (If pulsed emission specify peak power).  (D) Insert "MEAN" or "PEAK" (See definitions in Part 5).  (E) List each type of emission separately for each frequency. (See Section 2.201 FCC Rules.)  (F) Insert maximum audio modulating frequency: (3) frequency deviation of carrier; (4) pulse duration and repetition rate.  For complex emissions, describe in detail in the space provided below.	☐ Frequency		Emission	☐ Power	☐ Location		
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Course   C	5(a). Proposed location of transmitter	and transmitting antenna (Che	eck only on	ne box)					
State   WI	☐ FIXED/BASE	☐ MOBILE		🖾 BASE & N	MOBILE				
Number and steed for other indication of locations    Comparaphical coordinates exact to the nearest second   (e) Geographical coordinates of the approximate center of proposed area of operation (mobile applications)    North Latitude	(b) If permanently located at a fixed	location, give below		(d) If mobile,	describe the	e exact area	a of operation		
Comparabical coordinates exact to the nearest second   Comparabical coordinates of the approximate center of proposed area of operation (mobile applications)									
North Latitude		n of location)							<u> </u>
46 04 46 90 55 20 46 04 46 90 55 20 46 04 46 90 55 20  6. Is a directional antenna (other than redar) used?  If "YES", give the following information:  (a) Width of beam in degrees at the half-power point	(c) Geographical coordinates exact to	the nearest second						nter of pro	posed
46 04 46 90 55 20 46 04 46 90 55 20 20 86 04 46 99 55 20  6. 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  7. Is this authorization to be used for fulfilling the requirement of a government contract with an agency of the United States Government?    Yes					•		West Longiti	ude	
If "YES", give the following information:  (a) Width of beam in degrees at the half-power point		1			04		90	55	20
(a) Width of beam in degrees at the half-power point	6. Is a directional antenna (other tha	in radar) used?		☐ Yes		X No			
(a) Orientation in horizontal plane	If "YES", give the following inf	ormation:							
If "Yes", attach as EXHIBIT No, a narrative statement describing the government project, agency, and contact number.  8. Is this authorization to be used for the exclusive purpose of developing radio equipment for export to be employed by stations under the jurisdiction of a foreign government?, the following information:  (a) The contract number and the name of the foreign government concerned.  9. Is this authorization to be used for providing communications essential to a research project? (The radio communication is not the objective of the research project), a narrative statement providing 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 inadequate.  10. If all the answers to litems 7, 8, and 9, are "No", attach as EXHIBIT No, a narrative statement describing in detail the following:  (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.  (c) How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion, or utilization of the radio art, or is along line not already investigated.  11. (a) Give an estimate of the length of time that will be required to complete the program of experimentation proposed in this application. Refer to (b) If less than 2 years, give the length of time in months that the authorization requested in this application will be required Exhibit 2    12. Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?	(b) Orientation in horizontal plane	e							
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environmental impact?	12. Would a Commission grant of the	is application come within Sect	tion 1.1307	of the FCC R	ules, such t	hat it may	have a significa	ant	
If you answer yes, submit an Environmental Assessment required by Section 1.1311.									
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		nstalled (if experimental, so state):  TYPE		NO. OF UNITS
MANUFA	IC: UNER			
SONAR		2301		5
SONAR		2301.	A	2
TACTEX	K/RCA	нсв	36-BA53	5
RCA	-,	CACB	-4-MBA	5
RCA		CMG-	4-MM	3
RCA		DB 4	065	1
ROZI				
14. Is the equip	pment listed in Item 13 capable	of station identification pursuant to	Section 5.152?	
		[X] Y	'es $\square$	No
				is a seed more than 6 meters above the
15. Will the ar	ntenna extend more than 6 meter	ers above the ground, or if mounted	on an existing building will	it extend more than 6 meters above the
building, o	or will the proposed antenna be	mounted on an existing structure oth	_	
		X 3	′es $\square$	No
If "Yes",	give the following (See Instruc	tion 9):		
		. 60.1		
(a) Overall	height above ground to tip of	antenna is 60.1 meters.		
		435 Q		
(b) Elevation	on of ground at antenna site ab	ove mean sea level is 435.9 m	eters.	
		05 7		
(c) Distanc	e to nearest aircraft landing are	ea is	kilometers.	
(d) List an	y natural formations of existing shield the antenna from aircra	g man-made structures (hills, trees, w ft and thereby minimize the aeronaut	rater tanks, towers, etc.) whical hazard of the antenna.	ich, in the opinion of the applicant, would
	<b>3.1.0.2 4.0 4.0.1</b>	·		
NONE	3			
(e) Submit	as EXHIBIT No. 3	, a vertical profile sketch of total str	acture including supporting	ouilding, if any, giving heights in meters
(e) Submit above	as EXHIBIT No3	, a vertical profile sketch of total stres. Clearly indicate existing portion,	ucture including supporting looting particulars of aviation	ouilding, if any, giving heights in meters n obstruction lighting already available.
(e) Submit above ;	as EXHIBIT No3	, a vertical profile sketch of total stres. Clearly indicate existing portion,	ucture including supporting l noting particulars of aviation	ouilding, if any, giving heights in meters n obstruction lighting already available.
(e) Submit above ;	as EXHIBIT No3 ground for all significant featur	, a vertical profile sketch of total strees. Clearly indicate existing portion,	acture including supporting longing particulars of aviation	ouilding, if any, giving heights in meters in obstruction lighting already available.
above ;	as EXHIBIT No3 ground for all significant feature is (check only one box)	, a vertical profile sketch of total strees. Clearly indicate existing portion,	acture including supporting noting particulars of aviation	ouilding, if any, giving heights in meters n obstruction lighting already available.
above	ground for all significant featur is (check only one box)	res. Clearly indicate existing portion,	noting particulars of aviation	n obstruction lighting already available.
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above	is (check only one box) ridual  r (describe below)	Association	Partnership	n obstruction lighting already available.  Corporation
above	is (check only one box) ridual  r (describe below)	res. Clearly indicate existing portion,	Partnership	n obstruction lighting already available.
16. Applicant  Indiv  Othe	is (check only one box) ridual  r (describe below)  at a foreign government or a re	Association   presentative of a foreign government	Partnership  Tartnership  Tartnership  Tartnership	n obstruction lighting already available.  Corporation
16. Applicant  Indiv  Othe  17. Is applican	is (check only one box)  ridual  r (describe below)  at a foreign government or a re	Association   presentative of a foreign government	Partnership  Tartnership  Tartnership  Tartnership	n obstruction lighting already available.  Corporation
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## CERTIFICATION ATTENTION: Read this certification carefully before signing this application. THE APPLICANT CERTIFIES THAT: (a) Copies of the FCC Rules 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; (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. \_\_\_\_day of \_\_\_\_September \_\_\_\_\_, 19 89 12th Signed and dated this \_\_\_ Name of Applicant \_\_\_\_\_INTELCOM Support Service, Incorporated (correspond with name given on page 1) Richard Badgero (print) Project Manager Title Check Appropriate Classification: WILLFUL FALSE STATEMENTS MADE ON THIS FORM ☐ Individual Applicant ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S.

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

CODE, TITLE 18, SECTION 1001.

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 Section 0.459 of 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. 96-511, December 11, 1980, 44 U.S.C. 3507.

☐ Member of Applicant Partnership

☑ Office of Applicant Corporation

or Association

☐ Authorized Employee