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

□ addition or □ replacement?         □ DHER PARTICULARS - addition or replacement?       Describe below or h attached EXHBIT No.											
P.O. Box 4276 - RM 1619 Farmin BLdg         Houston, TX 77210-4276         (1) Application for (check only one box)         (2) New stato         (2) New stato         (2) New stato         (3) New stato         (3) New stato         (4) Application for (check only one box)         (5) Next stato         (6) Notification: Check the box baside all particulars to be modified. Check either addition or replacement of parameters in the current authoriz         (7) New stato         (8) New Stato	(Street addr			e instruction	File No.						
P.O. Box 4276 - RM 1619 Farmin BLdg         Houston, TX 77210-4276         (1) Application for (check only one box)         (2) New stato         (2) New stato         (2) New stato         (3) New stato         (3) New stato         (4) Application for (check only one box)         (5) Next stato         (6) Notification: Check the box baside all particulars to be modified. Check either addition or replacement of parameters in the current authoriz         (7) New stato         (8) New Stato	Exxon Com	munications	Company		( coll		laad				
P.O. Box 4276 - RM 1619 Farmin BLdg         Houston, TX 77210-4276         (1) Application for (check only one box)         (2) New stato         (2) New stato         (2) New stato         (3) New stato         (3) New stato         (4) Application for (check only one box)         (5) Next stato         (6) Notification: Check the box baside all particulars to be modified. Check either addition or replacement of parameters in the current authoriz         (7) New stato         (8) New Stato			oompuny		614	6 - FX - PI	-1998				
Houston, TX 77210-4276         (a) Application for (check only one box)       Xb). For Modification indicate below:         (a) Application for (check only one box)       Xb). For Modification indicate below:         (a) Application for Modification of avsising sub-ization       File Not       Call Sign:         (b) For Modification for Modification of a velocement of parameters in the current authoriz       File Not       Call Sign:         (c) Application for Modification of a velocement?       Indicate below:       File Not       Call Sign:         (c) Application for Modification of a velocement?       Indicate below:       Call Sign:       Call Sign:         (c) Application of replocement?       Indicate below:       Indicate below:       Call Sign:         (c) Application of replocement?       Indicate below:       Indicate below:       Call Sign:         (c) Application of replocement?       Indicate below:       Indicate below:       Indicate below:         (c) Application of replocement?       Indicate below:       Indicate below:       Indicate below:       Indicate below:         (c) Application of replocement?       Indicate below:       Indicate below:       Indicate below:       Indicate below:       Indicate below:         (c) Application of replocement?       Indicate below:       Indicate below:       Indicate below:       Indicate below:       Indi			619 Fannin Bl	da							
(1). Application for (sheek only one box)       Ath. For Modification indicate below:         (2) New state       Modification of existing subtrization       File No:       Outling for Modification: Check the box beside all particulars to be modified. Check either addition or replacement of parameters in the current authoriz         (3) New state       Modification: Check the box beside all particulars to be modified. Check either addition or replacement of parameters in the current authoriz         (4) MERCURACY -       EMISSION -       POMER -       Clock either addition or [] replacement?         (5) State of [] replacement?       EMISSION -       Power       Clock either addition or [] replacement?         (5) State of [] replacement?       eddition or [] replacement?       eddition or [] replacement?       eddition or [] replacement?         (6) State of [] replacement?       EMISSION       MCDULATING [] RECESSARY BANDW (B4D)         (6) State of []				5							
Image: Second											
Image: Second	2(1). Application	n for (check o	only one box)	<u></u>	2(b). For Modificat	tion indicate belo	w.				
Application for Modification: Check the box beside all particulars to be modified. Check either addition or replacement to indicate whether the change is an addition or a replacement of parameters in the current authoriz         PREQUENCY -	_			authorization	File No:	Cal	l Sign:				
addition or i replacement?       addition or i replacement?       addition or i replacement?       addition or i replacement?         OTHER PARTICULARS - addition or replacement?       Describe below or in attached D4HBIT No.       )         Particulars of Operation (see instruction below)       inserved to instruction below)       inserved to instruction below)         Integersy (set       WTB, IB       POWER       EMISSION       MODULATING         625.5       to inserved to instruction below)       (G)       (G)       (G)         626.5       MIZ       (G)       (G)       (G)       (G)         626.5       NHZ       (G)       (G)       (G)       (G)         626.5       MIZ       (G)       (G)       (G)       (G)         627.5       Insert maximum RF output power at the transmitter terminals. Specify units       (G)       (G)         1       Insert maximum effective rediated power from the antenna (If pulsed emission, spec	E. Application f	or Modificatio Indicate whet	n: Check the boy her the change is	s beside all pairs an addition of	rticulars to be modil	fied. Check either	addition or re-				
OTHER PARTICULARS - addRien or replacement? Describe below or in attached EMBIT No.	IFREQUENCY -						CATION -				
Particulars of Operation (see Instruction below)         Instrument Materia       WTB, IB       POWER       EMISSION       MODULATING SIGNAL       NECCESSARY BANDW (dr)         (d)       (d)       (d)       (d)       (d)       (d)       (d)       (d)         (660.5       -       to 12W       17dbw       PEAK       ST -17dB/K       0 - QPSK       5 Khz         (660.5       -       -       -       -       -       -       -         (660.5       -       -       -       -       -       -       -         (d)       -       -       -       -       -       -       -       -         (d)       -	🔲 addition or [	replacement?	addiktion or	replacement?	🔲 addition or 🔲	replacement?	addition or 🔲 replacemen				
(a)       (b)       (c)       (			2	ow)							
1626.5 -       to 12W       17dbw       PEAK       ST -17dB/K       0 - QPSK       5 Khz         1660.5 MHz	whether kHz or MHz)	L				SIGNAL	(KHz)				
660.5 MHz       see below         A) List each frequency or frequency band separately. (If more space is required, attach as EXHIBIT No											
<ul> <li>A) List each frequency or frequency band separately. (If more space is required, attach as EXHIBIT No</li></ul>			1/0.0%		<u> 51 -1/08/K</u>	U = UFSK					
<ul> <li>E) Insert maximum RF. output power at the transmitter terminals. Specify units.</li> <li>(2) Insert maximum effective radiated power from the antenna (If pulsed emission, specify peak power). Specify units.</li> <li>(3) Insert "MEAN" or "PEAK" (See definitions in Part 5).</li> <li>(4) Pulse duration and repetition rate.</li> <li>(5) For complex emissions, desoribe in detail in the space provided below.</li> <li>(6) Describe how the necessary bandwidth was determined in space provided below.</li> <li>(7) Describe how the necessary bandwidth of use in the International Maritime March 16 Satellite Organization for use in the International Maritime</li> </ul>	1000.5 MIZ						See Delow				
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<ul> <li>Insert "MEAN" or "PEAK" (See definitions in Part 5).</li> <li>List each type of emission separately for each frequency. (See Section 2201 of FCC Rules.)</li> <li>Insert as appropriate for the type of modulation: <ul> <li>(1) the maximum speed of keying in bauds;</li> <li>(2) maximum audio modulating frequency;</li> <li>(3) frequency deviation of carrier;</li> <li>(4) pulse duration and repetition rate.</li> <li>For complex emissions, describe in detail in the space provided below.</li> </ul> </li> <li>C) Describe how the necessary bandwidth was determined in space provided below.</li> <li>FCC Form 442 - Pag March 19 <ul> <li>March 19</li> <li>March 19</li> <li>Satellite Organization for use in the Inmarsat system of satellite communications.</li> </ul> </li> </ul>	((:) Insert max		-				ak power). Specify				
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<ul> <li>F) Insert as appropriate for the type of modulation: <ol> <li>the maximum speed of keying in bauds;</li> <li>maximum audio modulating frequency;</li> <li>frequency deviation of carrier;</li> <li>pulse duration and repetition rate.</li> <li>For complex emissions, describe in detail in the space provided below.</li> </ol> </li> <li>Describe how the necessary bandwidth was determined in space provided below.</li> <li>Describe how the necessary bandwidth was determined in space provided below.</li> <li>March 14</li> <li>Satellite Organization for use in the Inmarsat system of satellite communications.</li> </ul>					y. (See Section 220	i of FCC Rules.)					
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NOTE 4 Bandwidths are established by the International Maritime March 18 Satellite Organization for use in the Inmarsat system of satellite communications.	-					i FC	C Form 442 ~ Page "				
Satellite Organization for use in the Inmarsat system of satellite communications.						DOID W.	March 199				
satellite communications.											
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	Proposed location of trans		ting antenna (	(check	*	cate type of operation):
•	FIXED/BASE	MOBILE			BASE AND MOBILE	
15 15).	If permanently located at		ve below:			ribe the exact area of
Slate	County	City or Town			operation	
d'um	ber and street (or other in	dication of location)			Continenta	1 US
5]]5)(1	1). Enter geographical coordiantes	exact to the nearest sec	ond (see instructio	in 10)		coordinates of the approxima
\orth	Latitude (DD-MM-SS)	West Longitude (DD-M	IM-SS)		center of mobile operation	West Longitude
	0 ' "	0	, ,,			
		1			29 44 14.0	095 00 29.0
ð(d <b>)</b> .	Datum (see instruction 10):		X NAD 27		NAD 83	
. Is	s a directional antenna (ot)	er than radar) used	? TYES	XX	NO	
	"YES", give the following			-11.0		
	a) Width of beam in degree					
()	b) Orientation in horizontal	plane	(c)	Orienta	ation in vertical plan	
). Is	s this authorization to be u	Bed for fulfilling th	e requirement	ofag	overnment contract	with an agency of the
	Inited States Government?	-	YES	XX	NO	
	"YES", attach as EXHIBIT 1 gency and contact number		narrative state	ement	describing the gover	nment praject,
	s this authorization to be u			levelop	oing radio equipment	for export to be emplo
b	y stations under the jurisd	iction of a foreign g	government?	X	NO	
	`"YES", attach as EXHIBIT & ame of the foreign govern					tract number and the
	this authorization to be us ation is not the objective o			_	tial to a research proj	ect? (The radio commu
10	RUDOR attach as DYLITDAT 1				NO	na Information
	"YES", attach as EXHIBIT 1 ) A description of the nati					ng information:
	b) A showing that the common b) A showing that existing					h project involved.
in	`all the answers to Items 7 h detail the following: L) The complete program of					
(4	and theory of operation.	199091011 FUR SADO	Individuon pi	. oposod		n or eduloment
	<ul> <li>b) The specific objectives s</li> <li>b) How the program of exp expansion, or utilization</li> </ul>	erimentation has a r	reasonable pro			development, extensio
i(a).	Give an estimate of the le	·	and the second se			experimentation prop
	in this application: If less than 2 years, give t			the aut	thorization requested	In this application
	will be required:	د. استانه های کان الاستان جرو تراف روی خور بور دول	محدد مربور خداده مورد		_	
	Would a Commission grant			Section	11807 of the FCC Rul	es, such that it may ha
ž.	significant environmental		ion II)?		YES 🖾 NO	
2.	-	-		mantal	Assessment as require	red by Section 1.1911.
2.	if "YES", attach as EXHIBIT	-	an Environ	mentai		•
2.	If "YES", attach as EXHIBIT List below transmitting eq	No	led (if experir	nental,		
IZ.	If "YES", attach as EXHIBIT List below transmitting eq MANUFACTURER	No	led (if experin MODEL	nental. NUMB	ER	NO. OF UNI
2.	If "YES", attach as EXHIBIT List below transmitting eq	No	led (if experir	nental. NUMB	ER	
2.	If "YES", attach as EXHIBIT List below transmitting eq MANUFACTURER	No	led (if experin MODEL	nental. NUMB	ER	

<b>.</b> .	Is th	e equir	ment 1	sted in	ı Item	16 capal	le of st	tation	identi	fication	pursu	uant t	o Secti	ion 5.152	3? 📈	YES		N
	more		3 meter							ound, o	nna b							
	If Y	ES", giv	e the f				tion 9):		YES	X.								
			- •			-				vel is _			mol	079				
							area is									kilome	ters	
	(d) Li tì	ist any ne opin	natura lon of t	form	ations plicant,	of exist	ing ma tend to	n-ma	de stru	ctures ( Intenna	hills, t	lrees,	water	tanks	towers	, etc.) ·	which,	in
	lf	any,	iving h	eights	in me	ters abo	ve grou	und f	for all s	sketch ignifica ady ava	nt fe	atures						
13.	Appl	icant i	: (Chec	k only	ene bezi	,												
	-	INDIVI				LATION		<b></b>		VERSHIP		XX		ORATIO	-			
	i i i i i i i i i i i i i i i i i i i											-	00101					
					pace p	rovided	below)		ve of	foreig	n gov	ernm	ent?			YES	KXI	N
	is ap Has a appli	plicant applicant ation	a forei it or al for per	gn go iy part mit, lic	y to the ense of	ont or a nis appli	represe cation /al deni	antati had s	ny FC y this (	C station	licen lon?	ISO OF	permi					
-	Is ap Has a appli If "Y	plicant applicant sation SS", atta	a forei it or al for per	gn gov ny part mit, lic XHIBI	yernme y to thense o	ont or a his appli	represe cation /al deni	antati had s	ny FC y this (	station	licen lon?	ISO OF	permi			had an	y	
19.	Is ap Has a appli If "Y revol	plicant applicant ation SS", atta Ked an	a forei it or ar for per oh as I i relate	gn go ly part mit, lic XHIBI olrcui	yernme yernme y to th ense o f No nstance	ont or a his appli r renew	represe cation /al deni	antati had s led b a stati	any FC y this ( ement	C station Commiss giving c	licen lon?	nse or zn of	permi licens			had an	y	N
is.	Is ap Has a appli If "Y revol Will	olicant applicant ation SS", atta ked an applice	a forei it or an for per oh as I i relate nt be c	gn go Ny pari mit, lic SX HIBI olrcun Wner	vernme y to thense o I No nstance and op	ont or a his appli r renew s. erator o	represe cation /al deni 	antati had s led b a state tation	ny PC( y this ( ement	C station Commiss giving of SE	licen ion? all sig	nse or n of HIBI	permi license [2	e or per		had an YES YES	y XX	N
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19. 19. 19.	Is ap Has a appli If "Y revo Will Give who	plicant applicant sation SS", atta ked an applice name, can be	a forei it or al for per oh as I i relate nt be o title, ar it hand	gn go iy part mit, lic XHIBI olrcun wner id telep le inqu	vernme y to thense of r No nstance and op phone uirles p	ont or a nis appli r renew ss. erator o number ertainin	represe cation /al deni /al deni	antati had s led b a statu tation tation is are	any PC y this ( ement 1?	C station Commiss giving o SE	licen ion? all sig	nse or n of HIBI	permi license [2	e or per		had an YES YES	y XX	N
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March 1996

23	CERTIFICATION:
~	Attention: Read this certification carefully before signing this application.
	THE APPLICANT CERTIFIES THAT:
	<ul> <li>(a) Copies of FCC Rule Parts 2 and 5 are on hand; and</li> <li>(b) Adequate financial appropriations have been made to carry on the program of experimentation which will be conducted by qualified personnel; and</li> <li>(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</li> <li>(d) Grant of the authorization requested herein will not be construed as a finding on the part of the Commission: <ul> <li>(i) that the frequencies and other technical parameters specified in the authorization are the best suited for the proposed program of experimentation, and</li> <li>(2) that the applicant will be authorized to operate on any basis other than experimental, and</li> <li>(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.</li> </ul></li></ul>
	APPLICANT CERTIFIES FURTHER THAT:
	<ul> <li>(a) All the statements in the application and attached exhibits are true, complete and correct to the best of the applicant's knowledge; and</li> <li>(f) The applicant is willing to finance and conduct the experimental program with full knowledge and understanding of the above limitations; and</li> <li>(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.</li> </ul>
	Signed and dated this 21st day of August, 19 98
	Name of Applicant Exxon Communications Company
	By W.H. Johnson W.H. Johnson
	(print) [signature]
	Title Senior Staff Engineer
	Check appropriate classification:
	Individual applicant 🔲 Member of applicant partnership
	Authorized employee Office of applicant corporation or association
113 8	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, ion 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
by S o.igi irosp pubi	rmation requested through this form is authorized by the Communications Act of 1934, as amended, and specified tection 808 therein. The information will be used by Federal Communications Commission staff to determine bility for issuing authorizations in the use of the frequency spectrum and to effect the provisions of regulatory consibilities rendered by the Commission by the Act, Information requested by this form will be available to the ic unless otherwise requested pursuant to 47 CFR 0.459 of the FCC Rules and Regulations. Your response is required obtain this authorization.
Publi	c reporting burden for this collection of information is estimated to average four (4) hours per response, including the time

The 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 inderess. Individuals are not required to respond to this collection unless it displays a currently valid OMB control number.

"HE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 98-579, DECEMBER S1, 1974, 5 U.S.C. 552a(e)(S), AND THE PAPERWORK REDUCTION ACT OF 1980, PL 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

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