## FEDERAL COMMUNICATIONS COMMISSION Washington, DC 20554

Approved by OMB 3060-0065 Expires 12/31/92

Public reporting burden for this collection of information is estimated to average 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 this burden to Federal Communications Commission, Office of Managing Director, Washington, DC 20554, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (3060~0065), Washington, DC 20503.

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

A. Applicant's Name and Post Office address (Give street, city, state, and ZIP Code. See Instruction No. 4)  McDonnell Douglas Radio Services Corp. Attn: James M. Olson M/S 206-7 10775 Business Ctr Dr Cypress, CA 90630			DO NOT WRITE IN THIS BLOCK  File No.  5402-EX-PL-96			
2.(a) Application fo	r (check only one box	)	2.(b) For Modification indicate below			
New Station			File No.:	Call Sign:		
☐ Frequency	nodification indicate o	Emission	☐ Power	☐ Location		
4. Particulars of O	peration (See instructi	ons below)				
Frequency (State Whether kHz or MHz) (A)	POWER  (B) (C) (D)			EMISSION (E)	MODULATING SIGNAL (F)	NECESSARY BANDWIDTH (kHz) (G)
See Exhibit						\ <u>-</u>
(B) Insert maximum (C) Insert maximum (D) Insert "MEAN (E) List each type (F) Insert as appro (1) the maximum (2) maximum (3) frequency (4) pulse duit For complex et	nency or frequency ba m R.F. output power m effective radiated pe l'' or "PEAK" (See of emission separately priate for the type of mum speed of keying m audio modulating fr y deviation of carrier; ration and repetition r missions, describe in the necessary bandwid	at the transmitter terrower from the antenn definitions in Part 5). for each frequency, modulation: in bauds; equency; ate. detail in the space pro-	minals. Specify units.  (If pulsed emission  (See Section 2.201 F	CC Rules.)	),	

5(a). Proposed loc	ation of transmitter	and transmitting a	antenna (Checi	k only or	ne box)					
□ FIXED/B	BASE	, 🗆 MOBIL	LE		BASE & M	OBILE				
	y located at a fixed				(d) If mobile, d	describe the	exact area	a of operation		· .
State CA	Los Angel		Fown Beach		Within	a 250	MIRAD	) of		
3855 Lake	(or other indication WOOD Blvd	n of location)								
	oordinates exact to	the nearest second	1			al coordinate ration (mobil		approximate cente: tions)	r of propose	:d
North Latitude		West Longitude		_	North Latitude			West Longitude		
33	49 43	118	09	09	33	49	43	118	09	09
6. Is a directional					☐ Yes	10	K No	*		<u> </u>
If "YES", giv	e the following inf	ormation:			₩					
(b) Orientation	eam in degrees at the in horizontal plane in vertical plane	:	ıt	-					·	
7. Is this authoriz	ation to be used fo	r fulfilling the req	uirement of a	governm	ent contract with	an agency o	of the Un	ited States Govern	nment?	
		☐ Yes	_	_	□ No					
If "Yes", attac	ch as EXHIBIT No	), a p	sarrative states	ment desc	cribing the govern	nment projec	:t, agency	/, and contact num	nber.	
8. Is this authoriz	ation to be used for	r the exclusive pur	mose of devel	loping rac	dio equipment for	r export to b	e employ	red by stations unk	der the juris	diction
of a foreign go		i die enereere p.	pose 5. 42	- P	Yes	- Capott 10 -	© No	w v,	A. U. J.	present.
	ch as EXHIBIT No ct number and the r									
9. Is this authoriz		r providing commi	unications esse	ential to 1		t? (The radio		nication is not the	objective of	f the
	ch as EXHIBIT No		•		☐ Yes		K□ No			
(a) A description (b) A showing	on of the nature of that the communica that existing comm	the research projections facilities req	ect being condu quested are nec	ucted. cessary fo						
10. If all the answe	ers to Items 7, 8, a	and 9, are "No", a	attach as EXH	IIBIT No	), a na	arrative state	ment desc	cribing in detail th	e following	
(b) The specific (c) How the pr	ete program of reserved to objectives sought rogram of experime or is along line not a	to be accomplishe entation has a reaso	ed. onable promise		- ·			-	ilization of	the
11. (a) Give an est									cation. 4	years
	2 years, give the l									
12. Would a Commental	-	application come	within Section	n 1.1307	of the FCC Rule	es, such that	tit may h XX No	ave a significant		
If you answer	yes, submit an Env	ironmental Assessi	ment required	by Section	on 1.1311.					

MANUFACTURER	alled (if experimental, so state):  TYPE	NO. OF UNITS
GEC Marconi Sensors GEC Marconi Sensors GEC Marconi Sensors GEC Marconi Sensors	ARINC 752 Installation (ARINC 752 Installation (Ground Station Emulator Ground Station Test Set	Mobile) 29 (Fixed) 1
See Exhibit 1 for additio	onal details	
14. Is the equipment listed in Item 13 capable of ICAO ID digitally encoded transaction.	in the messages. Generally tran	ion ID is the aircraft smitted at the beginning o
	above the ground, or if mounted on an existing building wounted on an existing structure other than a building?	ill it extend more than 6 meters above the
sanding, or will the proposed another or inc		O No
If "Yes", give the following (See Instruction		
(a) One will be into about a sound on six of a control		
(a) Overall height above ground to tip of ante	enna is meters.	
(b) Elevation of ground at antenna site above	mean sea level is meters.	
(c) Distance to nearest aircraft landing area is	skilomete	rs.
	an-made structures (hills, trees, water tanks, towers, etc.) and thereby minimize the aeronautical hazard of the antenna	
	vertical profile sketch of total structure including supporting Clearly indicate existing portion, noting particulars of avial	
above ground for all significant features. (  16. Applicant is (check only one box)	Clearly indicate existing portion, noting particulars of avia	tion obstruction lighting already available.
above ground for all significant features. (  16. Applicant is (check only one box)	Clearly indicate existing portion, noting particulars of avia	
above ground for all significant features.	Clearly indicate existing portion, noting particulars of avia	tion obstruction lighting already available.
above ground for all significant features.	Clearly indicate existing portion, noting particulars of avial sociation    Partnership    Annual    Partnership    Partnershi	tion obstruction lighting already available.
above ground for all significant features.  16. Applicant is (check only one box)  Individual Ass Other (describe below)  17. Is applicant a foreign government or a representation denied by this Commission?	Clearly indicate existing portion, noting particulars of avial sociation	Corporation  No application for permit, license or renewal
above ground for all significant features.  16. Applicant is (check only one box)  Individual Ass Other (describe below)  17. Is applicant a foreign government or a representation denied by this Commission?	clearly indicate existing portion, noting particulars of avial sociation  Partnership  Partnership  Yes  had any FCC station license or permit revoked or had any  Yes  , a statement giving call sign of license or permit revoked on?	Corporation  No application for permit, license or renewal No d and relate circumstances.
above ground for all significant features. (  16. Applicant is (check only one box)  Individual Ass Other (describe below)  17. Is applicant a foreign government or a representation denied by this Commission? If "Yes", attach as EXHIBIT No.	Clearly indicate existing portion, noting particulars of aviance of a viante of a foreign government?  Partnership  The partnership  A viante of a foreign government?  Yes  had any FCC station license or permit revoked or had any  Yes  A statement giving call sign of license or permit revoked on?	Corporation  No application for permit, license or renewal No d and relate circumstances.
above ground for all significant features. (  16. Applicant is (check only one box)  Individual Ass Other (describe below)  17. Is applicant a foreign government or a representation denied by this Commission? If "Yes", attach as EXHIBIT No.	Clearly indicate existing portion, noting particulars of aviant sociation  Partnership  Partnership  Yes  had any FCC station license or permit revoked or had any Yes  , a statement giving call sign of license or permit revoked on?  XYYes  ude area code) of person who can best handle inquiries permit revoked.	Corporation  No application for permit, license or renewal No d and relate circumstances.
above ground for all significant features.  16. Applicant is (check only one box)  Individual Ass Other (describe below)  17. Is applicant a foreign government or a representation denied by this Commission? If "Yes", attach as EXHIBIT No.  19. Will applicant be owner and operator of station denied by the owner and operator of stations.  20. Give name, title, and telephone number (included) James M. Olson Agent for M.	Clearly indicate existing portion, noting particulars of aviant sociation  Partnership  Partnership  Yes  had any FCC station license or permit revoked or had any Yes  , a statement giving call sign of license or permit revoked on?  XYYes  ude area code) of person who can best handle inquiries permit revoked.	Corporation  No application for permit, license or renewal No d and relate circumstances.  No taining to this application.
above ground for all significant features.  16. Applicant is (check only one box)  Individual Ass Other (describe below)  17. Is applicant a foreign government or a representation denied by this Commission? If "Yes", attach as EXHIBIT No.  19. Will applicant be owner and operator of station denied by the owner and operator of stations.  20. Give name, title, and telephone number (included) James M. Olson Agent for M.	Clearly indicate existing portion, noting particulars of avial sociation  Partnership  Partnership  Yes  had any FCC station license or permit revoked or had any  Yes  , a statement giving call sign of license or permit revoked on?  XX Yes  Indee area code) of person who can best handle inquiries permit permit revoked on the control of the control o	Corporation  No application for permit, license or renewal No d and relate circumstances.  No taining to this application.
above ground for all significant features.  16. Applicant is (check only one box)  Individual Ass Other (describe below)  17. Is applicant a foreign government or a represent the application denied by this Commission? If "Yes", attach as EXHIBIT No.  19. Will applicant be owner and operator of station denied by the owner and operator of station.  20. Give name, title, and telephone number (included) James M. Olson Agent for M.	Clearly indicate existing portion, noting particulars of avial sociation  Partnership  Partnership  Yes  had any FCC station license or permit revoked or had any  Yes  , a statement giving call sign of license or permit revoked on?  XX Yes  Indee area code) of person who can best handle inquiries permit permit revoked on the control of the control o	Corporation  No application for permit, license or renewal No d and relate circumstances.  No taining to this application.
above ground for all significant features.  16. Applicant is (check only one box)  Individual Ass Other (describe below)  17. Is applicant a foreign government or a represent the application denied by this Commission?  If "Yes", attach as EXHIBIT No.  19. Will applicant be owner and operator of station denied by this Commission?  20. Give name, title, and telephone number (included and the station of the sta	Clearly indicate existing portion, noting particulars of aviance of a control of the control of	Corporation  No application for permit, license or renewal No d and relate circumstances.  No taining to this application.

## 22. 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. 19 th \_\_day of \_\_July Signed and dated this \_\_\_ McDonnell Douglas Radio Services Corp Name of Applicant (correspond with name given on page 1) James M. 01 sor (print) (signature)

Agent for MDC Radio

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

Check Appropriate Classification:

☐ Individual Applicant

☐ Member of Applicant Partnership

Office of Applicant Corporation or Association

Authorized Employee

## 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 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.