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April 22 2003

Ms. Marlene H. Dortch, Secretary  
Federal Communications Commission  
445 12th Street SW  
Washington DC 20554

**Re: IB Docket No. 02-10, Procedures to Govern the Use of Satellite Earth Stations on Board Vessels in Bands Shared With Terrestrial Fixed Service**

**EX PARTE COMMUNICATION**

Dear Ms. Dortch:

Pursuant to Section 1.1206(b)(2) of the Commission's Rules, I am electronically filing this notice of an oral *ex parte* communication.

Yesterday, the undersigned on behalf of the Association of American Railroads, Robert M. Gurs of Shook, Hardy and Bacon LLP, on behalf of APCO and other public safety interests, and Randy Young of Keller and Heckman LLP, on behalf of American Petroleum Institute, met with Byron Tramont, Legal Advisor to Chairman Powell, Jennifer Manner, Legal Advisor to Commissioner Abernathy, Paul Margie, Legal Advisor to Commissioner Copps, Sam Feder, Legal Advisor to Commissioner Martin, Barry Ohlson, Legal Advisor to Commissioner Adelstein, and Chris Murphy of the International Bureau. We reiterated the points raised in the filings of the Fixed Wireless Communications Coalition ("FWCC") in this proceeding, including recommendations for mechanisms to prevent and identify interference caused by earth station vessels (ESVs), and we stressed the importance of deferring Commission action on this matter until after WRC-03.

Materials referred to at the meeting included the maps attached to FWCC's *ex parte* notice filed in this proceeding on April 18, 2003, as well as the attached letter from APCO filed in a related proceeding, listing 20 public safety agencies in coastal areas in the U.S. whose 6 GHz microwave links could be seriously disrupted by interference from ESVs.

Please do not hesitate to call if there are any questions about this submission.

Respectfully submitted,



Thomas J. Keller  
Attorney for Association of American Railroads

cc: Meeting Participants



# APCO International

ASSOCIATION OF PUBLIC-SAFETY COMMUNICATIONS OFFICIALS INTERNATIONAL, INC.

October 25, 1999

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John K. Ramsey

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Mr. Frank Williams (VIA FAX: 202 647-3491)  
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and  
Mr. John T. Gilsenan  
United States Department of State  
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RE: 6 GHz Earth Stations On Board Vessels (ESVs)

Dear Messrs. Williams and Gilsenan:

On October 6, 1999, APCO submitted a letter (US CPM/58) to you regarding our concerns with 6 GHz Earth Stations on Board Vessels (ESVs), and the potential for interference to critical public safety fixed microwave operations. I understand that some parties subsequently questioned the validity of our concerns, and the extent to which the 5925-6425 MHz band is in fact used by public safety agencies. This letter and the enclosed attachments are in response to those concerns, and should be considered as an Annex to my prior letter, US CPM/58.

Attachment A hereto includes a list of fixed microwave licensees in the 5925-6425 MHz band, as provided to APCO by Comsearch. Among those listed are the following public safety agencies located in coastal states:

Alaska State Information Services  
State of California  
Connecticut State Police Department  
Grays Harbor County (WA) (coastal county)  
Hawaii County Police Department  
State of Hawaii  
Hernando County (FL) (coast N. of Tampa)  
Lee County (FL) (Ft. Myers area)  
City of Los Angeles  
County of Los Angeles  
State of Louisiana  
Massachusetts Highway Department  
New York Division of State Police

Orange County (CA)  
Oregon State Police  
Pinellas County (FL) (St. Petersburg area)  
Riverside County (CA)  
San Diego County  
Suffolk County (NY) (Long Island)  
Washington State Patrol

Many of these public safety licenses operate digital links with Automatic Transmitter Power Control (ATPC), which I understand may place those links at even greater risk of interference from ESVs. For example, Attachment B hereto is a list of Los Angeles County 6 GHz links with ATPC. Seven (7) of those are in the 5925-6425 MHz band. The County uses its microwave links to provide the backbone for the Sheriff's Department multi-site mobile communications system.

I hope that this information is useful in your deliberations. For further information, please contact our counsel in Washington, Robert Gurss, at 202-457-7329.

Sincerely,

A handwritten signature in cursive script that reads "Joe Hanna".

Joe Hanna  
President

cc: Ed Jacobs, FCC IB

ownercode	company_name	state1
S00024	ALABAMA ELECTRIC COOPERATIVE, INC.	AL
✓S00031	ALASKA STATE INFORMATION SERVICES DIV.	AK
ALBUQU	ALBUQUERQUE CITY	NM
S10218	ARCTIC REGION SUPERCOMPUTING CENTER	AK
S00059	ARIZONA ELECTRIC POWER COOPERATIVE, INC.	AZ
S00060	ARIZONA PUBLIC SERVICE COMPANY	AZ
S00060	ARIZONA PUBLIC SERVICE COMPANY	NM
S64003	ARKANSAS STATE POLICE	AR
ARLMHF	ARLINGTON MEMORIAL HOSPITAL FOUNDATION	TX
S00071	ATCHISON TOPEKA AND SANTA FE RAILROAD	KS
S07314	ATLANTIC CITY ELECTRIC COMPANY	NJ
SAUSTX	AUSTIN CITY OF TEXAS POLICE DEPARTMENT	TX
S10563	AVISTA CORPORATION	WA
SAUOPA	AVOYELLES PARISH COMMUNICAITON DISTRICT	LA
S08775	BANGOR & AROOSTOOK RAILROAD COMPANY	ME
S00890	BASIN ELECTRIC POWER COOPERATIVE	CO
S00890	BASIN ELECTRIC POWER COOPERATIVE	ND
S00890	BASIN ELECTRIC POWER COOPERATIVE	NE
S00890	BASIN ELECTRIC POWER COOPERATIVE	WY
BEXWAT	BEXARMET WATER DISTRICT	TX
SBOENM	BOARD OF REGENTS EASTERN NEW MEXICO UNIV	NM
S00123	BP COMMUNICATIONS ALASKA INC	AK
S00125	BRAZOS ELECTRIC POWER COOPERATIVE INC	TX
BRLNSF	BURLINGTON NORTHERN AND SANTA FE RAILWAY	IA
BRLNSF	BURLINGTON NORTHERN AND SANTA FE RAILWAY	IL
BRLNSF	BURLINGTON NORTHERN AND SANTA FE RAILWAY	MN
BRLNSF	BURLINGTON NORTHERN AND SANTA FE RAILWAY	WI
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	CO
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	IA
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	IL
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	KS
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	MN
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	MO
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	MT
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	ND
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	NE
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	OK
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	TX
S13505	BURLINGTON NORTHERN RAILROAD COMPANY	WI
✓S00141	CALIFORNIA STATE	CA
CALAUT	CALIFORNIA STATE AUTOMOBILE ASSOCIATION	CA
CARTEL	CARITAS TELECOMMUNICATIONS	CA
S00149	CAROLINA POWER & LIGHT COMPANY	NC
S00149	CAROLINA POWER & LIGHT COMPANY	SC
CARCOU	CARVER COUNTY SHERIFF'S OFFICE	MN
S01655	CENTRAL LINCOLN PUBLIC UTILITY DISTRICT	OR
S00168	CENTRAL NEBRASKA PUBLIC POWER	NE
S18545	CHEVRON USA, INC.	GM

S18545	CHEVRON USA, INC.	LA
S00196	CHUGACH ELECTRIC ASSOCIATION, INC.	AK
S01980	CINCINNATI NEW ORLEANS AND TEXAS PACIFIC	TN
S00792	CINERGY - PSI ENERGY INC.	IN
S00792	CINERGY - PSI ENERGY INC.	KY
S00792	CINERGY - PSI ENERGY INC.	OH
S02150	COAST COMMUNITY COLLEGE DISTRICT	CA
SCOLDU	COLLEGE OF DUPAGE	IL
S00220	COLORADO INTERSTATE GAS COMPANY	CO
S00220	COLORADO INTERSTATE GAS COMPANY	WY
CORIVE	COLORADO RIVER COMMISSION	NV
SCOSPU	COLORADO SPRINGS UTILITIES-BIS TELECOMMU	CO
S00223	COLORADO STATE TELECOMMUNICATIONS SVCS	CO
S02238	COLUMBIA COUNTY	PA
✓S00237	CONNECTICUT STATE POLICE DEPARTMENT	CT
S02386	CONSOLIDATED EDISON COMPANY OF NEW YORK	NY
S00258	DAIRYLAND POWER COOPERATIVE	MN
S00258	DAIRYLAND POWER COOPERATIVE	WI
S26002	DALLAS CITY COMMUNICATIONS SERVICES	TX
S02611	DALLAS COUNTY COMMUNITY COLLEGE DISTRICT	TX
S00269	DAYTON POWER & LIGHT COMPANY	OH
S00273	DELMARVA POWER & LIGHT COMPANY	DE
S02803	DESERET GENERATION & TRANSMISSION COOP	CO
S02803	DESERET GENERATION & TRANSMISSION COOP	UT
S02810	DETROIT EDISON COMPANY	MI
SDURNC	DURHAM CITY	NC
S00305	EAST OHIO GAS CO	OH
S03056	EAST RIVER ELECTRIC POWER COOPERATIVE	MN
S03056	EAST RIVER ELECTRIC POWER COOPERATIVE	SD
S00308	EL PASO ELECTRIC COMPANY	NM
S00601	ENTERGY SERVICES INC	AR
S00601	ENTERGY SERVICES INC	LA
SFACPA	FAYETTE COUNTY EMERGENCY MANAGEMENT	PA
S03385	FLORIDA POWER AND LIGHT COMPANY	FL
S34358	FORT WORTH CITY	TX
S00354	FRESNO COUNTY CALIFORNIA	CA
S00382	GRAND RIVER DAM AUTHORITY	OK
✓SGRAHA	GRAYS HARBOR COUNTY COMMUNICATIONS CNTR	WA
S03871	GREENSBORO CITY - TECHNICAL SERVICES DIV	NC
S39932	HANOVER COUNTY	VA
✓S04010	HAWAII COUNTY POLICE DEPARTMENT	HI
✓S00403	HAWAII STATE	HI
S04094	HENNEPIN COUNTY SHERIFFS DEPARTMENT	MN
✓S04111	HERNANDO COUNTY FLORIDA	FL
HOMELE	HOMER ELECTRIC ASSOCIATION INC.	AK
S00426	HOUSTON LIGHTING AND POWER COMPANY	TX
S00437	IDAHO STATE BUREAU OF COMMUNICATIONS	ID
IDAHST	IDAHO STATE DEPARTMENT OF ADMINISTRATION	ID
S43745	IHC HOSPITALS, INC.	UT

IJNTIN	IJNT INTERNATIONAL	CA
S04440	ILLINOIS STATE TOLL HIGHWAY AUTHORITY	IL
S00448	INDIANA STATE POLICE COMMUNICATIONS DEPT	IN
S04618	IOWA CENTRAL COMMUNITY COLLEGE	IA
S46760	JACKSON ELECTRIC MEMBERSHIP CORPORATION	GA
S00472	JERSEY CENTRAL POWER & LIGHT COMPANY	NJ
S04747	KAISER FOUNDATION HEALTH PLAN	CA
S00475	KAMO ELECTRIC COOPERATIVE	OK
S00476	KANSAS CITY POWER & LIGHT COMPANY	KS
S00476	KANSAS CITY POWER & LIGHT COMPANY	MO
S00492	KENTUCKY UTILITIES COMPANY	KY
✓S04940	KERN COUNTY COMMUNICATIONS DIVISION	CA
S49401	KERN COUNTY SUPERINTENDENT OF SCHOOLS	CA
SKERED	KERN ED TELECOM CONSORTIUM	CA
LARCTY	LAREDO CITY	TX
S00510	LARIMER COUNTY SHERIFF'S DEPARTMENT	CO
✓S51550	LEE COUNTY	FL
✓S53002	LOS ANGELES CITY OF COMMUNICATIONS SRV	CA
✓S00533	LOS ANGELES COUNTY FCC/LICENSING SECTION	CA
✓S00538	LOUISIANA STATE OF, COMM. SECTION	LA
S00541	LOUISVILLE GAS & ELECTRIC COMPANY	KY
S00542	LOWER COLORADO RIVER AUTHORITY	TX
S55090	MAINE DARTMOUTH FAMILY PRACTICE RESIDENC	ME
S00557	MARICOPA COUNTY RADIO & MICROWAVE DIV	AZ
✓SMASCO	MASSACHUSETTS HIGHWAY DEPARTMENT	MA
S58625	MCNC	NC
SMETNE	METRO NETWORKS COMMUNICATIONS, INC.	FL
SMETNE	METRO NETWORKS COMMUNICATIONS, INC.	UT
S00580	METROPOLITAN EDISON COMPANY	PA
S05818	METROPOLITAN WATER DISTRICT OF SO CA	CA
S05795	MINNESOTA DEPARTMENT OF TRANSPORTATION	MN
S06033	MISSISSIPPI STATE AUTHORITY FOR ED TV	MS
S00604	MISSOULA COUNTY DEPT. OF COMMUNICATIONS	MT
S00613	MOBIL OIL TELCOM LTD	GM
S00613	MOBIL OIL TELCOM LTD	LA
S00623	MONTANA POWER COMPANY	MT
S06447	NEBRASKA PUBLIC POWER DISTRICT	NE
S00648	NEVADA POWER COMPANY	NV
S06503	NEVADA STATE, DEPT. OF INFO TECHNOLOGY	NV
S00658	NEW MEXICO STATE OF	NM
✓S00666	NEW YORK DIVISION OF STATE POLICE	NY
S00676	NORFOLK & WESTERN RAILWAY CO	IN
S00676	NORFOLK & WESTERN RAILWAY CO	KY
S00676	NORFOLK & WESTERN RAILWAY CO	OH
S00676	NORFOLK & WESTERN RAILWAY CO	VA
S00676	NORFOLK & WESTERN RAILWAY CO	WV
SNORSO	NORFOLK SOUTHERN RAILWAY	GA
SNORSO	NORFOLK SOUTHERN RAILWAY	VA
S68745	NORTHERN BORDER PIPELINE COMPANY	MN

S68745	NORTHERN BORDER PIPELINE COMPANY	MT
S68745	NORTHERN BORDER PIPELINE COMPANY	ND
S68745	NORTHERN BORDER PIPELINE COMPANY	SD
SNNMEX	NORTHERN NEW MEXICO LIMITED PARTNSEHIP	CO
SNNMEX	NORTHERN NEW MEXICO LIMITED PARTNSEHIP	NM
S00690	NORTHERN STATES POWER COMPANY (MN)	MI
S00690	NORTHERN STATES POWER COMPANY (MN)	MN
S00690	NORTHERN STATES POWER COMPANY (MN)	WI
S06900	NORTHERN STATES POWER COMPANY (WI)	MI
S06900	NORTHERN STATES POWER COMPANY (WI)	MN
S06900	NORTHERN STATES POWER COMPANY (WI)	WI
S00694	NORTHWEST PIPELINE CORPORATION	ID
S00694	NORTHWEST PIPELINE CORPORATION	WA
S00707	OHIO TURNPIKE COMMISSION	OH
S00716	OMAHA PUBLIC POWER DISTRICT	NE
✓S00720	ORANGE COUNTY GSA COMMUNICATIONS DIV	CA
S00721	ORANGE COUNTY TRANSIT DISTRICT	CA
✓S72300	OREGON STATE POLICE	OR
S00732	PACIFIC GAS AND ELECTRIC COMPANY	CA
S73900	PACIFICORP UTAH POWER CORPORATION	UT
S07401	PALM BEACH COUNTY SHERIFFS OFFICE	FL
S00757	PECO ENERGY COMPANY	MD
S00757	PECO ENERGY COMPANY	PA
S74702	PENNSYLVANIA COMMONWEALTH	PA
S00747	PENNSYLVANIA TURNPIKE COMMISSION	PA
S10362	PG&E TEXAS PIPELINE LP	TX
S00758	PHOENIX CITY COMMUNICATIONS SECTION	AZ
PIECOU	PIERCE COUNTY COMMUNICATIONS DIVISION	WA
✓S07614	PINELLAS COUNTY RADIO SYSTEMS	FL
S00773	PORTLAND GENERAL ELECTRIC COMPANY	OR
S00784	PUBLIC SERVICE COMPANY OF COLORADO	CO
S00789	PUBLIC SERVICE COMPANY OF NEW MEXICO	NM
S00790	PUBLIC SERVICE COMPANY OF OKLAHOMA	OK
S00797	PUBLIC UTILITY DIST #1 OF GRAYS HARBOR	WA
S00801	PUERTO RICO ELECTRIC POWER AUTHORITY	PR
S00802	PUGET SOUND ENERGY	WA
S80287	QUESTAR INFOCOMM, INC.	UT
S80287	QUESTAR INFOCOMM, INC.	WY
✓S00830	RIVERSIDE COUNTY OF CALIFORNIA	CA
S00834	SACRAMENTO COUNTY	CA
✓S00845	SAN DIEGO COUNTY	CA
S00846	SAN DIEGO GAS & ELECTRIC COMPANY	CA
S85956	SANTEE ELECTRIC COOPERATIVE INC.	SC
SHELOF	SHELL OFFSHORE SERVICES COMPANY	GM
S08888	SOLA COMMUNICATIONS, INC.	LA
S08945	SOUTH CAROLINA PUBLIC SERVICE AUTHORITY	SC
S08966	SOUTH FLORIDA WATER MANAGEMENT DISTRICT	FL
S00902	SOUTHERN CALIFORNIA EDISON COMPANY	CA
S00904	SOUTHERN CALIFORNIA GAS COMPANY	CA

SOUCOM	SOUTHERN COMPANY SERVICES INC	AL
SOUCOM	SOUTHERN COMPANY SERVICES INC	GA
S00910	SOUTHERN PACIFIC TRANSPORTATION COMPANY	CA
S00910	SOUTHERN PACIFIC TRANSPORTATION COMPANY	OR
S00915	SOUTHWESTERN ELECTRIC POWER COMPANY	AR
S00915	SOUTHWESTERN ELECTRIC POWER COMPANY	LA
S00915	SOUTHWESTERN ELECTRIC POWER COMPANY	TX
SCONDM	SPIRIT ENERGY 76	GM
SCONDM	SPIRIT ENERGY 76	LA
✓ S93703	SUFFOLK, COUNTY OF, POLICE DEPARTMENT	NY
SUNHEA	SUN HEALTH CORPORATION	AZ
• S09470	TACOMA CITY; DEPT OF PUBLIC UTILITIES	WA
S00960	TEXACO COMMUNICATIONS INC.	CA
S99400	TRI-STATE TRANSMISSION & GENERATION ASSN	CO
S09990	TUCSON ELECTRIC POWER COMPANY	AZ
TUNCOM	TUNDRA COMMUNICATIONS INC	AK
S01014	UNION PACIFIC RAILROAD COMPANY	CA
S01014	UNION PACIFIC RAILROAD COMPANY	ID
S01014	UNION PACIFIC RAILROAD COMPANY	WA
S34090	UTAH COMMUNICATIONS INC	UT
S10363	UTAH STATE HIGHWAY PATROL	UT
S10360	UTAH STATE INFORMATION TECHNOLOGY SRVCS	UT
S01045	VIRGINIA ELECTRIC & POWER COMPANY	NC
S01045	VIRGINIA ELECTRIC & POWER COMPANY	VA
S01045	VIRGINIA ELECTRIC & POWER COMPANY	WV
✓ S10560	WASHINGTON STATE PATROL	WA
S10660	WEST TEXAS UTILITIES COMPANY	TX
WEVEMS	WEST VIRGINIA EMS TSN,INC.	VA
WEVEMS	WEST VIRGINIA EMS TSN,INC.	WV
S01083	WISCONSIN PUBLIC SERVICE CORP	WI

## LA County 6GHz links w/ATPC

#	Site1		Coordinates		Frequency	Site2		Coordinates		Frequency
1	ONK	Oat Nike	34 19 34	118 35 9	6565.000	WMP	Whitaker Middle Peak	34 34 10	118 44 22	6785.000
2	CCT	Criminal Courts	34 3 18	118 14 33	6855.000	ONK	Oat Nike	34 19 34	118 35 9	6655.000
3	ONK	Oat Nike	34 19 34	118 35 9	6675.000	CPK	Castro Peak	34 5 9	118 47 6	6845.000
4	JPK	Johnstone Peak	34 9 37	117 47 53	6545.000	LBR	Lower Blue Ridge	34 22 28	117 42 19	6705.000
5	EOC	Emergency Oper. Ctr.	34 3 3	118 10 32	6645.000	LRC	Lynwood Regional Ctr.	33 55 38	118 13 33	6815.000
6	CCB	Compton Courts	33 53 39	118 13 28	6595.000	CCT	Criminal Courts	34 3 18	118 14 33	6765.000
7	EAV	Eastern Avenue MW	34 3 12	118 10 8	5974.850	DOW	Downey Data Center	33 54 58	118 7 51	6226.890
8	EAV	Eastern Avenue MW	34 3 12	118 10 8	6152.750	OAT	Oat Mountain	34 19 12	118 33 53	6404.790
9	OAT	Oat Mountain	34 19 12	118 33 53	5935.320	TOP	Topanga Peak	34 5 2	118 38 14	6187.360
10	OAT	Oat Mountain	34 19 12	118 33 53	6286.190	MMC	Mount McDill	34 33 58	118 16 28	6034.150
11	EAV	Eastern Avenue MW	34 3 12	118 10 8	6142.870	BJM	Black Jack Mountain	33 23 12	118 24 0	6394.910
12	EAV	Eastern Avenue MW	34 3 12	118 10 8	6715.000	RIH	Rio Hondo	34 1 5	118 0 46	6745.000
13	DOW	Downey Data Center	33 54 58	118 7 51	6286.190	CCB	Compton Courts	33 53 39	118 13 28	6034.150
14	MMC	Mount McDill	34 33 58	118 16 28	6226.890	LAN	Lancaster Sheriff	34 41 58	118 8 15	5974.850