

ANNEX G

Abbreviations

G.1 AGENCY, BUREAU, AND OTHER ORGANIZATIONAL ABBREVIATIONS

This part of Annex G contains those Agency and other Organizational Name and Bureau abbreviations that will be used in the Serial Number (SER), Bureau (BUR) and Circuit Remarks (REM) fields of the GMF. (See Chapter 9, Section 9.8.2).

Agency	Bureau	Abbreviation
Agency for International Development		AID
Agriculture, Department of		A
	Animal and Plant Health Inspection Service	APHIS
	Agriculture Research Service	ARS
	Cooperative State Research Education & Extension Service	CSRE
	Farm Service Agency	FSA
	Farmers Home Administration	FHA
	Food & Nutrition Service	FNS
	Forest Service	F
	Forest Service - Region 1	F1
	Forest Service - Region 2	F2
	Forest Service - Region 3	F3
	Forest Service - Region 4	F4
	Forest Service - Region 5	F5
	Forest Service - Region 6	F6
	Forest Service - Region 8	F8
	Forest Service - Region 9	F9
	Forest Service - Region 10	F10
	Forest Service - Washington Office	FWO
	Food Safety and Inspection Service	FSIS
	Grain Inspection, Packers & Stockyards Administration	GIPS
Natural Resources Conservation Service	NRCS	
Office of Inspector General	OIG	
Office of the Secretary	SEC	
Air Force, Department of the		AF
Architect of the Capitol		AOTC
Army, Department of the		AR
	AFMO CONUS	AC
	United States Army, Alaska	AK
	Army Spectrum Management Office (outside US&P)	AR
	Corps of Engineers	CE
	Military District of Washington	DW
	AFC, State of Arizona	HU
	U.S. Army (State of Hawaii)	HW
	National Training Center & Ft. Irwin	NTC
	U.S. Army Pacific (does includes Hawaii)	PA
	AFC, White Sands Missile Range	WS
Administrative Office of the United States Courts		AUSC
Broadcasting Board of Governors		BBG
Commerce, Department of		C
	Bureau of Export Administration	BXA
	Census Bureau	CEN
	Environmental Data Information Service	EDIS

Agency	Bureau	Abbreviation
	Environmental Research Laboratories	ERL
	International Trade Administration	ITA
	Institute for Telecommunications Science	ITS
	National Institute of Standards and Technology	NIST
	National Data Buoy Center	NDBC
	National Environmental Satellite, Data, and Information Service	NESS
	National Marine Fisheries Service	NMFS
	Under Secretary's Administrative Offices	USAO
	National Ocean Service	NOS
	National Telecommunications and Information Administration	NTIA
	National Technical Information Service	NTIS
	National Weather Service	NWS
	NOAA Marine and Aircraft Operations	NMAO
	NOAA Homeland Security Program Office	NHSP
	Patent and Trademark Office	PAT
	Office of Security	SEC
Office of the Secretary	OSY	
Coast Guard	Operating unit identifier is listed in the XRC field	CG
	Number Coast Guard Districts 1 through 17, including sub-units.	01-17
	Numbered Coast Guard Headquarters Units	20-96
	CG Headquarters, Washington DC	98
Central Intelligence Agency		CIA
Consumer Products Safety Commission		CPSC
Energy, Department of		DOE
	Alaska Power Administration	APA
	Albany Research Center	ARC
	Albuquerque Operations Office Amarillo Area Office Amarillo Pantex Plant Carlsbad Area Office Carlsbad Waste Isolation Pilot Project (WIPP) Dayton Area Office/Grand Junction Office Kansas City Area Office Kansas City Plant Kirtland Area Office Los Alamos Area Office Los Alamos National Lab Lovelace Respiratory Research Institute Sandia National Laboratory, California Sandia National Laboratory, New Mexico (Including all USA/USP assign.) Sandia National Laboratory, Pacific Operations Sandia National Laboratory, Tonopah Test Range, NV Tactical Security Division	AL
	Atlanta Regional Support Office Bartlesville Project Office	ARSO
	Bonneville Power Administration	BPA
	Boston Regional Support Office	BRSO
	Chicago Operations Office Ames Group Ames National Laboratory Argonne Group Argonne National Lab, East Argonne National Lab, West Brookhaven Group	CH

Agency	Bureau	Abbreviation
	Brookhaven National Lab Environmental Measurements Lab Environmental Programs Group Fermi Group Fermi National Accelerator Laboratory MIT Group New Brunswick Laboratory Princeton Group Princeton Plasma Physics Laboratory	
	Chicago Regional Support Office	CRSO
	Denver Regional Support Office	DRSO
	Federal Energy Technology Center Colorado Off-Site Support Office, Golden, Colorado Colorado Support Office, Denver, Colorado Federal Energy Technology Center North, Pittsburgh, Pennsylvania Federal Energy Technology Center South, Morgantown, West Virginia Georgia Support Office, Atlanta, Georgia Illinois Support Office, Chicago, Illinois Kansas City Remote Duty Station, Kansas City, Kansas Massachusetts Support Office, Boston, Massachusetts Montana Operations Office, Butte, Montana National Petroleum Technology Center National Renewable Energy Laboratory, Golden, Colorado National Renewable Energy Laboratory, Washington, DC New York Support Office, New York, New York Pennsylvania Support Office, Philadelphia, Pennsylvania Texas Support Office, Dallas, Texas Washington Support Office, Seattle, Washington Wyoming Operations Office, Gillette, Wyoming	FETC
	Golden Field Office Administration Division Office of Acquisition and Financial Assistance Office of Chief Counsel Office of Management and Administration Office of Laboratory Operations Office of Project Management	GFO
	Headquarters Contract Reform and Privatization Project Office Departmental Representative to the Defense Nuclear Facilities Safety Board Energy Information Administration Office of the Chief Financial Officer Office of the Chief Information Officer Office of the Civilian Radioactive Waste Management Office of Congressional and Intergovernmental Affairs Office of Counterintelligence Office of Defense Programs Office of Economic Impact and Diversity Office of Energy Efficiency and Renewable Energy Office of Environmental Management Office of Environment, Safety, and Health Office of Fissile Materials Disposition Office of Fossil Energy Office of the General Counsel Office of Hearings and Appeals Office of Independent Oversight and Performance	HQ

Agency	Bureau	Abbreviation
	Assurance Office of Inspector General Office of Intelligence Office of Internal Affairs Office of Management and Administration Office of Nonproliferation and National Security Office of Nuclear Energy, Science, and Technology Office of Public Affairs/Office of Science Office of the Secretary of Energy Advisory Board Office of Security and Emergency Operations Office of Worker and Community Transition The Office of Policy	
	Idaho Operations Office Idaho National Engineering and Environmental Laboratory INEL ESNET Connection Spectrum Support for Argonne National Laboratories Spectrum Support for Experimental Station Authorization at INEEL Spectrum Support for Fort Saint Vrain Spectrum Support for the Main M&O Contractor Spectrum Support for Naval Reactor Facility Spectrum Support for West Valley, New York	ID
	National Nuclear Security Administration Office of the Deputy Administrator for Defense Nuclear Non-proliferation Office of the Deputy Administrator for Defense Programs Office of the Deputy Administrator for Naval Reactors	NNSA
	Naval Petroleum Reserves in California Engineering Division/Planning, Analysis, and Program Division Support	NPR
	Naval Petroleum and Oil Shale Reserves in Colorado, Utah, & Wyoming	CO
	Nevada Operations Office Nevada Test Site Joint Test Operations (LANL, LLNL, SNL) Nevada Operations (Nevada Test Site & Las Vegas) Nevada Test Site Development Corp. Nevada Testing Institute, Inc. Pacific Area Operations, Honolulu, Hawaii Remote Sensing Lab, Nellis AFB, NV (Nuclear Emergency Search Team) Special Technologies Lab, Santa Barbara, CA Washington Area Measurements Operations, Washington, DC Yucca Mountain Project, NV	NV
	Oak Ridge Operations Office Cincinnati Operations Office, Cincinnati, Ohio Dallas Operations Office, Dallas, Texas East Tennessee Technology Park Laramie ETC/Oak Ridge Associated Universities Oak Ridge Institute for Science and Education Oak Ridge National Laboratory Oak Ridge Operations Environmental Management Program Oak Ridge Operations Office Federal Building Oliver Springs Area Office, Oliver Springs, Tennessee Paducah Operations Office, Paducah, Kentucky (Plant)	OR

Agency	Bureau	Abbreviation
	Piketon Area Office Portsmouth Area Office (Plant) Saint Charles Area Office Thomas Jefferson National Accelerator Facility University of Puerto Rico Weldon Springs Operations Office Y-12 Plant	
	Oakland Operations Office Lab of Structural Biology and Molecular Medicine Lawrence Berkley National Laboratory Lawrence Livermore National Laboratory Radiobiology and Environmental Health Laboratory Stanford Linear Accelerator Center	OAK
	Office of Scientific and Technical Information	OSTI
	Ohio Field Office Ashtabula Environmental Management Project Columbia Area Office/Columbus Environmental Management Project Fernald Environmental Management Project Miamisburg Environmental Management Project West Valley Project Office	OH
	Philadelphia Regional Support Office	PRSO
	Pittsburgh Naval Reactors Office Bettis Atomic Power Laboratory Idaho Branch Office	PNRO
	Pittsburgh Research Center Denver Federal Center, Denver, Colorado Spokane Research Center, Spokane, Washington	PRC
	Richland Operations Office Environmental Restoration Contractor Fast Flux Test Facility (FFTF), Standby Project Office Occupational Health Services Office of River Protection Pacific Northwest National Laboratory Project Hanford Management Contract Tank Farm Operations Tank Waste Privatization	RL
	Rocky Flats Field Office Deputy Manager Rocky Flats Environmental Technology Site	RFFO
	Savannah River Operations Office	SRO
	Schenectady Naval Reactors Office Knolls Atomic Power Laboratory	SNRO
	Seattle Regional Support Office	SRSO
	Southeastern Power Administration Office	SEPA
	Southwestern Power Administration Office Gore Area Office, Gore, Oklahoma Springfield Area Office, Springfield, Missouri	SWPA
	Strategic Petroleum Reserve Project Office	SPR
	Western Area Power Administration Corporate Services Office Desert Southwest Regional Office Rocky Mountain Regional Office Sierra Nevada Regional Office Upper Great Plains Regional Office	WAPA
	Yucca Mountain Site Characterization Office	YMSC
Department of Education		ED
Equal Employment Opportunity		EEOC

Agency	Bureau	Abbreviation
Commission		
Environmental Protection Agency		EPA
	Office of the Administrator/Deputy Administrator	AO
	Office of Administration and Resource Management	OARM
	Office of Air and Radiation	OAR
	Office of Enforcement and Compliance Assurance	OECA
	Office of Environmental Information	OEI
	Office of the Chief Financial Officer	OCPO
	Office of General Counsel	OGC
	Office of Inspector General	OIG
	Office of International Activities	OIA
	Office of Prevention, Pesticides, and Toxic Substances	OPTS
	Office of Research and Development	ORD
	Office of Solid Waste and Emergency Response	OWER
Office of Water	OW	
Federal Aviation Administration		FAA
	Transportation System Center	TSC
	FAA Alaskan Region	AL
	FAA Central Region	CE
	FAA Eastern Region	EA
	FAA Great Lakes Region	GL
	FAA Headquarters	HQ
	FAA New England Region	NE
	FAA Northwest Mountain Region	NM
	FAA Southern Region	SO
	FAA Southwest Region	SW
	FAA Western Pacific Region	WP
Federal Communications Commission		
	Enforcement Bureau	EB
	Office of Engineering and Technology	OET
	Office of Managing Director	OMD
	Wireless Telecommunications Bureau	WTB
Federal Mediation and Conciliation Service		FMCS
Federal Deposit Insurance Corporation		FDIC
Federal Reserve System		FRS
General Accounting Office		GAO
Government Printing Office		GPO
General Services Administration		GSA
	General Property Resources Service	D
	Office of Federal Supply and Services	F
	Office of Inspector General	J
	Office of Information Resources Management	K
	Public Buildings Service	P
	Office of Federal Protection and Safety	PS

Agency	Bureau	Abbreviation
Health and Human Services, Department of		HHS
	Department Wide	OSDW
	Immediate Office of the Secretary	OSIO
	Office of the Inspector General	OSIG
	Office of Public Health & Science	OSEP
	Administration for Children & Families	ACF
	Centers for Disease Control & Prevention	CDC
	Food and Drug Administration	FDA
	Health Care Financing Administration	HCFA
	Health Resources and Services Administration	HRSA
	Indian Health Services	HIS
	National Institutes of Health	NIH
	Program Support Center	PSC
Substance Abuse & Mental Health Administration	SAMH	
Homeland Security, Department of		DHS
	Bureau of Citizenship and Immigration Services	CIS
	Bureau of Customs and Border Protection	CBP
	Bureau of Immigrations and Customs Enforcement	ICE
	Department Offices	DO
	Federal Emergency Management Agency	FEMA
	Federal Law Enforcement Training Center	FLTC
	Information Analysis and Infrastructure Protection Directorate	IAIP
	Integrated Wireless Network	IWN
	Office of the Inspector General	OIG
	Office of the Secretary	O
	Science and Technology Directorate	ST
	Transportation Security Administration	TSA
	U.S. Secret Service	S
White House Communications Agency	D	
House of Representatives		HR
Housing and Urban Development, Department of		HUD
Interior, Department of the		I
	American Samoa, Government of	A
	Geological Survey	G
	Geological Survey - Administrative	GA
	Geological Survey - Biological Resources Division	GB
	Geological Survey - Geologic Division	GG
	Geological Survey - National Mapping Division	GT
	Geological Survey - Water Resources Division	GW
	Geological Survey - Not elsewhere classified	GZ
	Bureau of Indian Affairs	I
	Bureau of Indian Affairs - Aberdeen Area	IA
	Bureau of Indian Affairs - Anadarko Area	IB
	Bureau of Indian Affairs - Billings Area	IC
	Bureau of Indian Affairs - Juneau Area	IE
	Bureau of Indian Affairs - Minneapolis Area	IF
	Bureau of Indian Affairs - Muskogee Area	IG
	Bureau of Indian Affairs - Phoenix Area	IH
	Bureau of Indian Affairs - Sacramento Area	IJ
	Bureau of Indian Affairs - Central Office (Washington, DC)	IK
	Bureau of Indian Affairs - Law Enforcement	IL
	Bureau of Indian Affairs - Albuquerque Area	IM
	Bureau of Indian Affairs - Navajo Area	IN
	Bureau of Indian Affairs - Portland Area	IP

Agency	Bureau	Abbreviation
	Bureau of Indian Affairs - Eastern Area	IS
	Bureau of Indian Affairs - Joint use area	IW
	Bureau of Indian Affairs - Not elsewhere classified	IZ
	Bureau of Land Management	L
	Bureau of Land Management - Washington Office	LWO
	Bureau of Land Management - Alaska	LAK
	Bureau of Land Management - Arizona	LAZ
	Bureau of Land Management - California	LCA
	Bureau of Land Management - Colorado	LCO
	Bureau of Land Management - Idaho	LID
	Bureau of Land Management - Montana	LMT
	Bureau of Land Management - Nevada	LNV
	Bureau of Land Management - New Mexico	LNM
	Bureau of Land Management - Oregon	LOR
	Bureau of Land Management - Utah	LUT
	Bureau of Land Management - Wyoming	LWY
	Bureau of Land Management - Eastern States	LESO
	Bureau of Land Management - Denver Federal Center	LDFC
	Bureau of Land Management - National Training Center (PHX)	LNTC
	Bureau of Land Management - National Fire Center (Boise)	LNFC
	Minerals Management Service	MMS
	Office of the Secretary	O
	Aircraft Management Division	OAS
	Office of Surface Mining	OSM
	National Park Service	P
	National Park Service - Alaska Region	PAK
	National Park Service - Intermountain Region	PIM
	National Park Service - Northeast Region	PNE
	National Park Service - Midwest Region	PMW
	National Park Service - National Capital Field Area	PNC
	National Park Service - Pacific West Region	PPW
	National Park Service - Southeast Region	PSE
	National Park Service – Unites States Park Police	PPP
	National Park Service - Not elsewhere classified	PZZ
	Bureau of Reclamation	R
	Bureau of Reclamation - Great Plains	RGP
	Bureau of Reclamation - Lower Colorado	RLC
	Bureau of Reclamation - Mid-Pacific	RMP
	Bureau of Reclamation - Pacific Northwest	RPN
	Bureau of Reclamation - Upper Colorado	RUC
	Bureau of Reclamation - Not elsewhere classified	RZZ
	U.S. Fish and Wildlife Service	S
	CA, GUM, HI, ID, MDW, NV, OR, PAC, WA	S1
	AZ, NM, OK, TX	S2
	IA, IL, IN, MI, MN, MO, OH, WI	S3
	AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, PR, VI	S4
	CT, DE, DC, ME, MD, MA, NH, NJ, NY, PA, RI, VT, VA, WV	S5
	CO, KS, MT, NE, ND, SD, UT, WY	S6
	AK	S7
	Not elsewhere classified	S9
	Trust Territory of the Pacific Islands, Government of the (including Government of the Northern Marianas)	T
International Trade Commission		ITC

Agency	Bureau	Abbreviation
International Boundary and Water Commission, U.S. and Mexico (U.S. Section)		IBWC
Agency	Bureau	Abbreviation
Justice, Department of		J
	Alcohol, Tobacco and Firearms	ATF
	Bureau of Prisons	BP
	Drug Enforcement Administration	D
	Federal Bureau of Investigation	FB
	Immigration and Naturalization Service	IN
	Integrated Wireless Network	IWN
	Justice Management Division	JMD
	Justice-Wide (including Offices, Boards, and Divisions of the Department)	JW
	Justice Wireless Network	JWN
U.S. Marshals Service	M	
Labor, Department of		L
Library of Congress		LC
National Aeronautics and Space Administration		NASA
	Ames Research Center	ARC
	Dryden Flight Research Center	DFRC
	Goddard Space Flight Center	GSFC
	NASA Headquarters	HQS
	Jet Propulsion Laboratory	JPL
	Johnson Space Center	JSC
	Kennedy Space Center	KSC
	Langley Research Center	LARC
	John H. Glenn Research Center	GRC
	Marshall Space Flight Center	MSFC
	Wallops Flight Facility	WFF
National Archives and Records Administration		NARA
National Endowment for the Arts		NEA
National Gallery of Art		NGAL
National Labor Relations Board		NLRB
National Security Agency		NS
National Science Foundation		NSF
	Kitt Peak National Observatory	KPNO
	National Astronomy and Ionosphere Center	NAIC
	National Center for Atmospheric Research	NCAR
	National Radio Astronomy Observatory	NRAO
	Sacramento Peak Observatory	SPO
Navy, Department of the (U.S. Navy)		N
	United States Navy	USN
	United States Naval Research Laboratory	NRL
Navy, Department of the (U.S. Marine Corps)		MC
	United States Marine Corps	USMC
Nuclear Regulatory Commission		NRC
Office of Personnel Management		OPM
Securities and Exchange Commission		SEC
Senate, U.S.		SEN
Small Business Administration		SBA
	Office of the Inspector General	G
Smithsonian Institution		SI
Social Security Administration		SSA

Agency	Bureau	Abbreviation
State, Department of		S
	Bureau of Economic and Business Affairs	EB
	Bureau of Information Resource Management	IRM
Supreme Court		SC
Tennessee Valley Authority		TVA
Transportation, Department of		TRAN
	Department Wide (less Federal Aviation Administration (FAA) and Transportation Systems Center (TSC))	DW
	Federal Highway Administration	H
	Maritime Administration	MAR
	National Transportation Safety Board	NB
	Office of the Secretary	OS
	Federal Railroad Administration	R
	Railroad Transportation Test Center, Pueblo	RATC
	Research and Special Programs Administration	RSPA
	St. Lawrence Seaway Development Corporation	SL
	National Highway Traffic Safety Administration	T
	Urban Mass Transportation Administration	UM
		T
Treasury, Department of the	Departmental Offices	DO
	Bureau of Engraving and Printing (BEP)	BEP
	Financial Management Service	FMS
	Treasury Inspector General for Tax Administration (TIGTA)	IGTA
	IRS Criminal Investigations Division (IRS-CID)	IRCI
	Internal Revenue Service (IRS) Facilities	IRF
	Integrated Wireless Network	IWN
	US Mint	M
	Office of the Inspector General	OIG
	Office of the Secretary	O
	Bureau of Public Debt (BPD)	BPD
	Alcohol and Tobacco Tax and Trade Bureau	TTB
U.S. Capitol Police		USCP
U.S. Chemical Safety Hazard Investigations Board		CSB
U.S. Court of International Trade		CIT
U.S. Peace Corps		USPC
U.S. Postal Service		USPS
	Postal Inspection Service	IS
	Mail Processing and Distribution	MAIL
	National Network Service Center	NET
	National Systems Development	NSD
	Office of the Inspector General	OIG
	Security	SEC
U.S. Trade and Development Agency		TDA
U.S. Trade Representative		USTR
Veterans Affairs, Department of		VA
	National Cemetery Administration	NCA
	Office of Inspector General	OIG
	Veterans Benefits Administration	VBA
	Veterans Health Administration	VHA

G.1.1 Other Organizational Abbreviations

These abbreviations identify records which are recorded in the GMF for spectrum management and analysis purposes.

Organization	Abbreviation
CANADA	CAN
FEDERATED STATES OF MICRONESIA	FSM
MEXICO	MEX
NON-GOVERNMENT RECORDS (70/80/90 GHz)	NG
NON-GOVERNMENT RECORDS (70/80/90 GHz)	NGR
REPUBLIC OF PALAU	RP
REPUBLIC OF THE MARSHALL ISLANDS	RMI

G.2 GEOGRAPHICAL ABBREVIATIONS

This part of Annex G contains those abbreviations that will be used in the Transmitter and Receiver State/Country fields (XSC/RSC) of the GMF. (See Chapter 9, Section 9.8.2)

G.2.1 United States and Possessions - 50 United States and the District of Columbia

AK	Alaska
AL	Alabama
AR	Arkansas
AZ	Arizona
CA	California
CO	Colorado
CT	Connecticut
DC	District of Columbia
DE	Delaware
FL	Florida
GA	Georgia
HI	Hawaii
IA	Iowa
ID	Idaho
IL	Illinois
IN	Indiana
KS	Kansas
KY	Kentucky
LA	Louisiana
MA	Massachusetts

MD	Maryland
ME	Maine
MI	Michigan
MN	Minnesota
MO	Missouri
MS	Mississippi
MT	Montana
NC	North Carolina
ND	North Dakota
NE	Nebraska
NH	New Hampshire
NJ	New Jersey
NM	New Mexico
NV	Nevada
NY	New York
OH	Ohio
OK	Oklahoma
OR	Oregon
PA	Pennsylvania
RI	Rhode Island
SC	South Carolina
SD	South Dakota
TN	Tennessee
TX	Texas
UT	Utah
VA	Virginia
VT	Vermont
WA	Washington
WI	Wisconsin
WV	West Virginia
WY	Wyoming

G.2.2 Possession or Commonwealths of the United States (OTHER THAN the 50 United States and the District of Columbia)

Caribbean Area

-	Navassa Island
PR	Puerto Rico (including Culebra, Mona, and Vieques)
-	Quita Sueno Bank
-	Roncador Bank (Roncador Cay)
-	Serrana Bank (North Cay, Southwest Cay, Northwest Rocks, Dry Ledge) Serranilla Bank (West Breaker, Beacon Cay)
VI	Virgin Islands (St. Croix, St. John, St. Thomas)

Pacific Area

-	Baker Island
GUM	Guam
HWL	Howland Island
JAR	Jarvis Island
JON	Johnston Island (including Sand Island) Kingman Reef
MDW	Midway (Includes Eastern and Sand Islands)
MRA	(except Guam) Mariana Islands (Formerly Ladron Islands) (Agrihan, Aguijan, Alamagan, Anatahan, Asuncion, Guguan, Maug, Medinilla, Pagan, Farallon de Pajaros, Rota, Saipan, Sarigan, and Tinian)
PLM	Palmyra Island (Some 50 islands make up the Atoll of Palmyra)
SMA	Samoa (American) (Aunuu, Manua Group [or Islands, i.e., Ofu, Olosega, Tau], Rose Island, Swains Island, Tutuila)
WAK	Wake Island

Area and Other Abbreviations

AFR	Africa
ANTR	Antarctica
ARCO	Arctic Ocean
ASIA	Continent of Asia
CAM	Central America
CBN	Caribbean
EUR	Europe
FE	Far East (Countries of China, Japan, Korea, Thailand, Brunei, Burma, Cambodia, Indonesia, Laos, Malaysia, Philippines, Vietnam and East India)
GLM	Gulf of Mexico
GTLK	Great Lakes (collectively)
INDO	Indian Ocean
LAM	Latin America
LANT	Atlantic Ocean
LERI	Lake Erie
LHUR	Lake Huron
LMIC	Lake Michigan
LONT	Lake Ontario
LSUP	Lake Superior
MED	Mediterranean Sea
MDE	Middle East
OCNA	Oceania
PAC	Pacific Ocean

RCVR	Restricted for use only in Passive Sensor and Radio Astronomy listings
SEA	Southeast Asia
SPCE	Space
US	For US only when transmitting and/or receiving in all 50 United States and the District of Columbia
USA	For use only when transmitting and/or receiving in the 48 Contiguous States of the United States and the District of Columbia (This Excludes Alaska and Hawaii)
USP	For use only when transmitting and/or receiving throughout the US (50 States and District of Columbia), the Commonwealth of Puerto Rico, and the Territories and Possessions (does not include the former Trust Territory of the Pacific Islands)
XXXX	See Chapter 9, Section 9.8.2 paragraph 21

Country Abbreviations

ABW	Aruba
AFG	Afghanistan (Islamic State of)
AFS	South Africa (Republic of)
AGL	Angola (Republic of)
AIA	Anguilla
ALB	Albania (Republic of)
ALG	Algeria (People's Democratic Republic of)
ALS	Alaska (not for use in GMF; for ITU use only)
AMS	Saint Paul and Amsterdam Islands
AND	Andorra (Principality of)
AOE	Western Sahara
ARG	Argentine Republic
ARM	Armenia (Republic of)
ARS	Saudi Arabia (Kingdom of)
ASC	Ascension
ATA	Antarctic
ATG	Antigua and Barbuda
ATN	Netherlands Antilles
AUS	Australia
AUT	Austria
AZE	Azerbaijani Republic
AZR	Azores

B	Brazil (Federative Republic of)	D	Germany (Federal Republic of)
BAH	Bahamas (Commonwealth of the)	DGA	Diego Garcia
BDI	Burundi (Republic of)	DJI	Djibouti (Republic of)
BEL	Belgium	DMA	Dominica (Commonwealth of)
BEN	Benin (Republic of)	DNK	Denmark
BER	Bermuda	DOM	Dominican Republic
BFA	Burkina Faso		
BGD	Bangladesh (People's Republic of)	E	Spain
BHR	Bahrain (State of)	EGY	Egypt (Arab Republic of)
BIH	Bosnia & Herzegovina (Republic of)	EQA	Ecuador
BIO	British Indian Ocean Territory	ERI	Eritrea
BLR	Belarus (Republic of)	EST	Estonia (Republic of)
BLZ	Belize	ETH	Ethiopia
BOL	Bolivia (Republic of)		
BOT	Botswana (Republic of)	F	France
BRB	Barbados	FJI	Fiji (Republic of)
BRM	Myanmar (Union of)	FLK	Falkland Islands (Malvinas)
BRU	Brunei Darussalam	FIN	Finland
BTN	Bhutan (Kingdom of)	FRO	Faroe Islands
BUL	Bulgaria (Republic of)	FSM	Micronesia (Federated States of) (Kapingamarangi, Kosrae, Lamotrek, Namonuito, Nukuoro, Oroluk, Pohnpei, Truk, Ulithi, Woleai, Yap)
CAF	Central African Republic		
CAN	Canada	G	United Kingdom of Great Britain and Northern Ireland
CAR	Caroline Islands	GAB	Gabonese Republic
CBG	Cambodia (Kingdom of)	GCA	Territories of the United Kingdom in Region 1
CHL	Chile (except Easter Island)	GCC	Territories of the United Kingdom in Region 3
CHN	China (People's Republic of)	GDL	Guadeloupe (French Department of)
CHR	Christmas Island (Indian Ocean)	GEO	Georgia (Republic of)
CKH	Cook Islands	GHA	Ghana
CLM	Colombia (Republic of)	GIB	Gibraltar
CLN	Sri Lanka (Democratic Socialist Republic of)	GMB	Gambia (Republic of the)
CME	Cameroon (Republic of)	GNB	Guinea-Bissau (Republic of)
CNR	Canary Islands	GNE	Equatorial Guinea (Republic of)
COG	Congo (Republic of the)	GRC	Greece
COM	Comoros (Islamic Federal Republic of the)	GRD	Grenada
CPV	Cape Verde (Republic of)	GRL	Greenland
CRO	Crozet Archipelago	GTM	Guatemala (Republic of)
CTI	Cote d'Ivoire (Republic of)	GUF	Guiana (French Department of)
CTR	Costa Rica	GUI	Guinea (Republic of)
CUB	Cuba	GUM	Guam
CVA	Vatican City State	GUY	Guyana
CYM	Cayman Islands		
CYP	Cyprus (Republic of)		
CZE	Czech Republic		

HKG	Hong Kong	MAC	Macao
HND	Honduras (Republic of)	MAU	Mauritius (Republic of)
HNG	Hungary (Republic of)	MCO	Monaco (Principality of)
HOL	Netherlands (Kingdom of the)	MDA	Moldova (Republic of)
HRV	Croatia (Republic of)	MDG	Madagascar (Democratic Republic of)
HTI	Haiti (Republic of)	MDR	Madeira
HWA	Hawaii (not for use in GMF; for ITU use only)	MDW	Midway Islands
I	Italy	MEX	Mexico
ICO	Cocos Keeling Islands	MHL	Marshall Islands (Republic of the) (Ailinglapalap, Arno, Ebeye, Enewetak, Jaluit, Kwajalein, Majuro, Mili, Roi-Namur, Rongelap)
IND	India (Republic of)	MKD	The Former Yugoslav Republic of Macedonia
INS	Indonesia (Republic of)	MLA	Malaysia
IRL	Ireland	MLD	Maldives (Republic of)
IRN	Iran (Islamic Republic of)	MLI	Mali (Republic of)
IRQ	Iraq (Republic of)	MLT	Malta
ISL	Iceland	MNG	Mongolian People's Republic
ISR	Israel (State of)	MOZ	Mozambique (Republic of)
J	Japan (includes Iwo Jima, Marcus Island, Ryu Kyu Islands)	MRA	Mariana Islands (except Guam)
JMC	Jamaica	MRC	Morocco (Kingdom of)
JON	Johnston Island	MRN	Marion Island
JOR	Jordan (Hashemite Kingdom of)	MRT	Martinique (French Department of)
KAZ	Kazakhstan (Republic of)	MSR	Montserrat
KEN	Kenya (Republic of)	MTN	Mauritania (Islamic Republic of)
KER	Kerguelen Islands	MWI	Malawi
KGZ	Kyrgyz Republic	MYT	Mayotte Island
KIR	Kiribati (Republic of)	NCG	Nicaragua
KOR	Korea (Republic of)	NCL	New Caledonia
KRE	Democratic People's Republic of Korea	NFK	Norfolk Island
KWT	Kuwait (State of)	NFR	Niger (Republic of the)
LAO	Lao People's Democratic Republic	NIG	Nigeria (Federal Republic of)
LBN	Lebanon	NIU	Niue Island
LBR	Liberia (Republic of)	NMB	Namibia (Republic of)
LBY	Libya (Socialist People's Libyan Arab Jamahiriya)	NOR	Norway
LCA	Saint Lucia	NPL	Nepal
LIE	Liechtenstein (Principality of)	NRU	Nauru (Republic of)
LSO	Lesotho (Kingdom of)	NZL	New Zealand
LTU	Lithuania (Republic of)	OCE	French Polynesia
LUX	Luxembourg	OMA	Oman (Sultanate of)
LVA	Latvia (Republic of)		

PAK	Pakistan (Islamic Republic of)	SWN	Swan Islands
PAQ	Easter Island (Chile)	SWZ	Swaziland (Kingdom of)
PHL	Philippines (Republic of the)	SYR	Syrian Arab Republic
PHX	Phoenix Islands		
PLM	Palmyra Island (some 50 islands make up the Atoll of Palmyra)	TCA	Turks and Caicos Islands
		TCD	Chad (Republic of)
PLW	Palau (Republic of)	TGO	Togolese Republic
PNG	Papua New Guinea	THA	Thailand
PNR	Panama (Republic of)	TKL	Tokelau Islands
POL	Poland (Republic of)	TJK	Tajikistan (Republic of)
POR	Portugal	TKM	Turkmenistan
PRG	Paraguay (Republic of)	TMP	East Timor
PRU	Peru	TON	Tonga (Kingdom of)
PTC	Pitcairn Island	TRC	Tristan da Cunha
PTR	Puerto Rico (including Culebra, Mona, and Vieques) (not for use in GMF; for ITU use only)	TRD	Trinidad and Tobago
		TUN	Tunisia
		TUR	Turkey
		TUV	Tuvalu
QAT	Qatar (State of)	TZA	Tanzania (United Republic of)
REU	Reunion (French Department of)	UAE	United Arab Emirates
ROD	Rodriguez	UGA	Uganda (Republic of)
ROU	Romania	UKR	Ukraine
RUS	Russian Federation	URG	Uruguay (Eastern Republic of)
RRW	Rwandese Republic	USA	The 48 contiguous States of the United States of America and the District of Columbia (excludes the States of Alaska and Hawaii)
S	Sweden		
SCN	Saint Christopher and Nevis		
SDN	Sudan (Republic of the)		
SEN	Senegal (Republic of)	UZB	Uzbekistan (Republic of)
SEY	Seychelles (Republic of)		
SHN	Saint Helena	VCT	St. Vincent and the Grenadines
SLM	Solomon Islands	VEN	Venezuela (Republic of)
SLV	El Salvador (Republic of)	VIR	United States Virgin Islands (St. Croix, St. John, St. Thomas) (not for use in GMF; for ITU use only)
SMA	American Samoa		
SMO	Western Samoa (Independent State of)		
SMR	San Marino (Republic of)	VRG	British Virgin Islands
SNG	Singapore (Republic of)	VTN	Viet Nam (Socialist Republic of)
SOM	Somali Democratic Republic	VUT	Vanuatu (Republic of)
SPM	Saint Pierre and Miquelon (French Department of)	WAK	Wake Island
		WAL	Wallis and Futuna Islands
SRL	Sierra Leone		
	STP Sao Tome and Principe (Democratic Republic of)	YEM	Yemen (Republic of)
SUI	Switzerland (Confederation of)	YUG	Yugoslavia (Federal Republic of)
SUR	Suriname (Republic of)		
SVK	Slovak Republic	ZAI	Zaire (Republic of)
SVN	Slovenia (Republic of)	ZMB	Zambia (Republic of)
		ZWE	Zimbabwe (Republic of)

G.3 AREAS, DIVISIONS, AND DISTRICTS WITHIN THE CONTERMINOUS UNITED STATES

This part of Annex G contains descriptions and/or maps of certain areas, divisions and districts within the Conterminous United States, which appear in the GMF. (Note: The FAA and FEMA maps are exceptions as they show overseas areas.)

Corps of Engineers Divisions and Districts (no description-see Figure 1)

Tennessee Valley Authority Area (see Figure 2)

The area bounded on the west by the Mississippi River, on the north by the parallel of latitude 37°30'N, and on the east and south by that arc of the circle with center at Springfield, Illinois, and radius equal to the airline distance between Springfield, Illinois, and Montgomery, Alabama, subtended between the foregoing west and north boundaries.

Coast Guard Areas and Districts (see Figure 3)

Atlantic Area-1st, 5th, 7th, 8th and 9th Districts.

Pacific Area-11th, 13th, 14th and 17th Districts.

1st District-Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York except that part north of 42°N and West of 74-39°W; that part of New Jersey north of 39-57°N, east of 74-27°W and northeast of a line from 39-57°N West to the New York, New Jersey and Pennsylvania boundaries at Tristate.

5th District-Delaware, Maryland, Virginia, District of Columbia, North Carolina, that portion of New Jersey south of 39-57°N, west of 74-27°W and south of a line extending northwesterly from 39-57°N, 74-27°W to the New York, New Jersey and Pennsylvania boundaries at Tristate.

7th District-South Carolina; and Florida and Georgia, except that part of Florida and Georgia west of a line from the intersection of the Florida coast with longitude 83°50'W due north to a position 30°15'N 83°50'W, thence due west to a position 30°15'N 84°45'W, thence due north to the intersection with the south shore of Jim Woodruff Reservoir, thence along the east bank of the Jim Woodruff Reservoir and the east of the Flint River up stream to Montezuma, Georgia, thence to West Point, Georgia.

8th District- Wyoming, Colorado, New Mexico, Texas, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Arkansas, Louisiana, Mississippi, Alabama, Missouri, Iowa, West Virginia, Kentucky, Tennessee, and; Pennsylvania south of latitude 41° N and west of longitude 79° W; those parts of Ohio and Indiana south of latitude 41°N; Illinois, except that part north of latitude 41°N and east of longitude 90°W; Wisconsin south of latitude 46°20' N and west of longitude 90° W; Minnesota south of latitude 46°20'N and that part of Florida and Georgia west of a line from the intersection of the Florida coast with longitude 83°50'W due north to a position 30°15'N 83°50'W; thence due west to a position 30°15'N 84°45'W; thence due north to the intersection with the south shore of Jim Woodruff Reservoir; thence along the east bank of the Jim Woodruff Reservoir and the east bank of the Flint River up stream to Montezuma, Georgia; thence to West Point, Georgia.

9th District-Michigan; New York north of latitude 42°N and west of longitude 74°39'W; Pennsylvania north of latitude 41°N and west of longitude 79°W; those parts of Ohio and Indiana north of latitude 41°N; Illinois north of latitude 41°N and east of longitude 90°W; Wisconsin except that part south of latitude 46°20'N and west of longitude 90°W; and Minnesota north of latitude 46°20'N.

11th District-California, Nevada, Arizona, and Utah.

13th District-Washington, Oregon, Idaho, and Montana.

14th District-Hawaii.

17th District-Alaska.

Navy-Marine Corps MARS Regions (see Fig. 4)

Region One -- Connecticut, Delaware, Massachusetts, Maine, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont.

Region Two -- Alabama, District of Columbia, Florida, Georgia, Kentucky, Maryland, Mississippi, North Carolina, Puerto Rico, South Carolina, Tennessee, Virginia, West Virginia.

Region Three -- Arkansas, Louisiana, New Mexico, Oklahoma, Texas.

Region Four -- Colorado, Iowa, Illinois, Indiana, Kansas, Michigan, Minnesota, Missouri, North Dakota, Nebraska, South Dakota, Wisconsin, Wyoming.

Region Five -- Arizona, California, Nevada, Utah.

Region Seven -- Alaska, Idaho, Montana, Oregon, Washington.

Region Eight -- Hawaii, Pacific Area U.S. Territories.

Army Areas (see Figure 5)

ARA1 - (States of Alabama, Connecticut, Delaware, Florida, Georgia, Kentucky, Maine, Maryland (less certain area which are included in the Military District of Washington), Massachusetts, Mississippi, New Hampshire, New Jersey, New York, North Carolina, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia (less certain areas which are included in the Military District of Washington), and West Virginia).

ARA5 - (Arkansas, Illinois, Indiana, Iowa, Kansas, Louisiana, Michigan, Minnesota, Missouri, Nebraska, Ohio, Oklahoma, Texas (less Fort Bliss), and Wisconsin).

ARA6 - (California, Colorado (less the area west of 108 deg. West), Idaho, Oregon, Montana, Nevada, North Dakota, South Dakota, Utah (less the area east of 111 deg. West), Washington, Wyoming).

Army Frequency Coordination Areas (see Fig. 6)

AFMO CONUS - Alabama, Arkansas, California, (less the National Training Center, Ft. Irwin), Colorado (less the area west of 108° West), Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland (less certain areas which are included in the Military District of Washington), Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas (less Fort Bliss and US Territory within 240 kilometers radius of White Sands Missile Range), Utah (less the area east of 111°West), Vermont, Virginia (less certain areas which are included in the Military District of Washington), Washington, West Virginia, Wisconsin, and Wyoming; Puerto Rico and the Virgin Islands.

Military District of Washington (Headquarters: Washington, D.C.)-District of Columbia, counties of Arlington, Fairfax (less Fort Belvoir, but including Davison AAF), and City of Alexandria in the state of Virginia, and counties of Montgomery and Prince Georges in the state of Maryland.

State of Arizona, Fort Huachuca, Arizona-Arizona.

White Sands Missile Range, New Mexico-New Mexico, U.S. territory within a 240 kilometer radius of WSMR (includes Fort Bliss, Texas), plus the area of Utah and Colorado that lies between 108°and 111°W.

FAA Regions (see Figure 7)

The FAA Regional Boundaries map, which includes regions outside the conterminous United States, is contained herein for information. The names of the regions do not appear in the list of Frequency Assignments to Federal Radio Stations.

NRC Regions (see Figure 8)

Region I-Headquarters at King of Prussia, PA, Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont.

Region II-Headquarters at Atlanta, GA, Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia.

Region III-Headquarters at Glen Ellyn, IL,

Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, Wisconsin.

Region IV-Headquarters at Arlington, TX, Arkansas, Colorado, Idaho, Kansas, Louisiana, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Utah, Wyoming.

Region V-Headquarters at Walnut Creek, CA, Arizona, California, Nevada, Oregon, Washington.

FEMA Regions (see Figure 9)

Region I-Headquarters at Boston, MA, and underground Federal Response Center (FRC) at Maynard, MA; includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Region II-Headquarters at New York, N.Y.; includes New Jersey, New York, Puerto Rico, and the Virgin Islands.

Region III-Headquarters at Philadelphia, PA; includes Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, and West Virginia.

Region IV-Headquarters at Atlanta, GA, and underground Federal Response Center (FRC) at Thomasville, GA; includes Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

Region V-Headquarters at Chicago, IL; includes Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

Region VI-Headquarters and underground Federal Response Center (FRC) at Denton, TX; includes Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

Region VII-Headquarters at Kansas City, MO; includes Iowa, Kansas, Missouri, and Nebraska.

Region VIII-Headquarters and underground Federal Response Center (FRC) at Denver, CO; includes Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

Region IX-Headquarters at San Francisco, CA; includes Arizona, California, Hawaii, Nevada, American Samoa, Guam, Commonwealth of the Northern Mariana Islands, and the Federated States of Micronesia.

Region X-Headquarters and underground Federal Response Center (FRC) at Bothell, WA; includes Alaska, Idaho, Oregon, and Washington.

EPA Regions (see Figure 10)

Region I-Headquarters at Boston, MA, Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont.

Region II-Headquarters at New York, N.Y. New Jersey, New York, Puerto Rico, Virgin Islands.

Region III-Headquarters at Philadelphia, PA, Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia.

Region IV-Headquarters at Atlanta, GA, Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee.

Region V-Headquarters at Chicago, IL, Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin.

Region VI-Headquarters at Dallas, TX, Arkansas, Louisiana, New Mexico, Oklahoma, Texas.

Region VII-Headquarters at Kansas City, KS, Iowa, Kansas, Missouri, Nebraska.

Region VIII-Headquarters at Denver, CO, Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming.

Region IX-Headquarters at San Francisco, CA, Arizona, California, Nevada, Hawaii, Guam, American Samoa.

Region X-Headquarters at Seattle, WA, Idaho, Oregon, Washington, Alaska.

GSA Regions (see Figure 11)

Region I-Headquarters at Boston, MA includes: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Region II-Headquarters at New York, NY includes: New Jersey, New York, Puerto Rico, and Virgin Islands.

Region III-Headquarters at Philadelphia, PA includes: Delaware, Maryland, Pennsylvania, Virginia, and West Virginia.

Region IV-Headquarters at Atlanta, GA includes: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

Region V-Headquarters at Chicago, IL includes: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

Region VI-Headquarters at Kansas City, MS includes: Iowa, Kansas, Missouri, and Nebraska.

Region VII-Headquarters at Forth Worth, TX includes: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

Region VIII-Headquarters at Denver, CO includes: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

Region IX-Headquarters at San Francisco, CA includes: American Samoa, Arizona, California, Guam, Hawaii, and Nevada.

Region X-Headquarters at Auburn WA includes: Alaska, Idaho, Oregon, and Washington. National Capital Region Headquarters in Washington, DC includes: the District of Columbia, Montgomery and Prince Georges counties in Maryland, Arlington, Alexandria, Fairfax, Loudon, and Prince William in Virginia.

USAF MARS Regions (see Figure 12)

Region One-Connecticut, Delaware, District of Columbia, Indiana, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont.

Region Two-Alabama, Florida, Georgia, Kentucky, North Carolina, South Carolina, Tennessee, Virginia, West Virginia.

Region Three-Illinois, Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota, Wisconsin.

Region Four-Arkansas, Louisiana, Mississippi, Oklahoma, Texas.

Region Five-Colorado, Idaho, Montana, Oregon, Utah, Washington, Wyoming.

Region Six-Arizona, California, Nevada, New Mexico.

Region Eight-Pacific (Hawaii and U.S. Territories only).

Region Nine-Alaska.

VA National Cemetery System Memorial Service Networks (MSN) by State

MSN 1-Maine, Vermont, New Hampshire, Connecticut, Rhode Island, Massachusetts, Pennsylvania, New Jersey, New York, Maryland, Delaware, Northern 4/5th of Virginia, West Virginia.

MSN 2-Arkansas, Tennessee, North Carolina, South Carolina, Mississippi, Alabama, Georgia, Louisiana, Florida, Puerto Rico, Southern 1/5th of Virginia along the North Carolina border.

MSN 3-North Dakota, Montana, South Dakota, Wyoming, Nebraska, Colorado, Kansas, Oklahoma, New Mexico, Texas.

MSN 4-Michigan, Minnesota, Wisconsin, Iowa, Illinois, Indiana, Missouri, Ohio, Kentucky.

MSN 5-Washington, Oregon, Idaho, Nevada, Utah, California, Arizona, Alaska, Hawaii.

VA Health Administration Integrated Service Network by (VISN) by Boundaries (See Figure13)

VISN 1 Maine, Vermont, New Hampshire, Connecticut, Rhode Island, Massachusetts.

VISN 2 Upper New York State.

VISN 3 Lower New York State. New York City.

VISN 4 Pennsylvania.

VISN 5 Delaware, Maryland.

VISN 6 Virginia, North Carolina.

VISN 7 South Carolina, Georgia, Alabama.

VISN 8 Florida.

VISN 9 Tennessee, Kentucky, West Virginia.

VISN 10 Ohio.

VISN 11 Northern Indiana, Michigan.

VISN 12 Northern Illinois, Wisconsin.

VISN 15 Southern Indiana, Southern Illinois, Missouri, Kansas.

VISN 16 Mississippi, Louisiana, Arkansas, East Texas, Oklahoma.

VISN 17 Central Texas.

VISN 18 West Texas, New Mexico, Arizona

VISN 19 Colorado, Utah, Wyoming, Montana.

VISN 20 Idaho, Washington, Oregon

VISN 21 Northern Nevada, Northern California.

VISN 22 Southern Nevada, Southern California.

VISN 23 Nebraska, Iowa, North Dakota, South Dakota, Minnesota.

Figure 1. Corps of Engineers

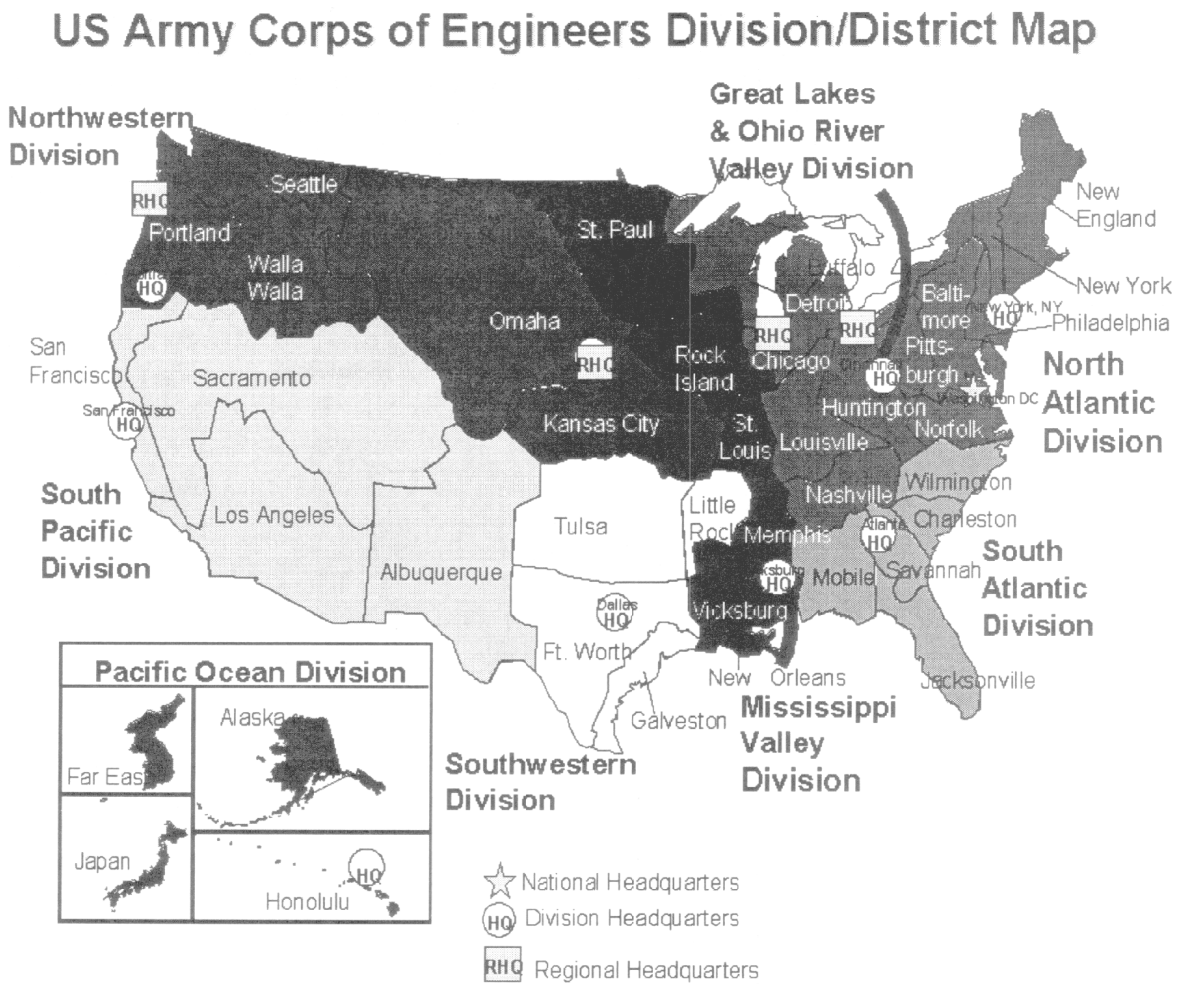


Figure 2. Tennessee Valley Authority

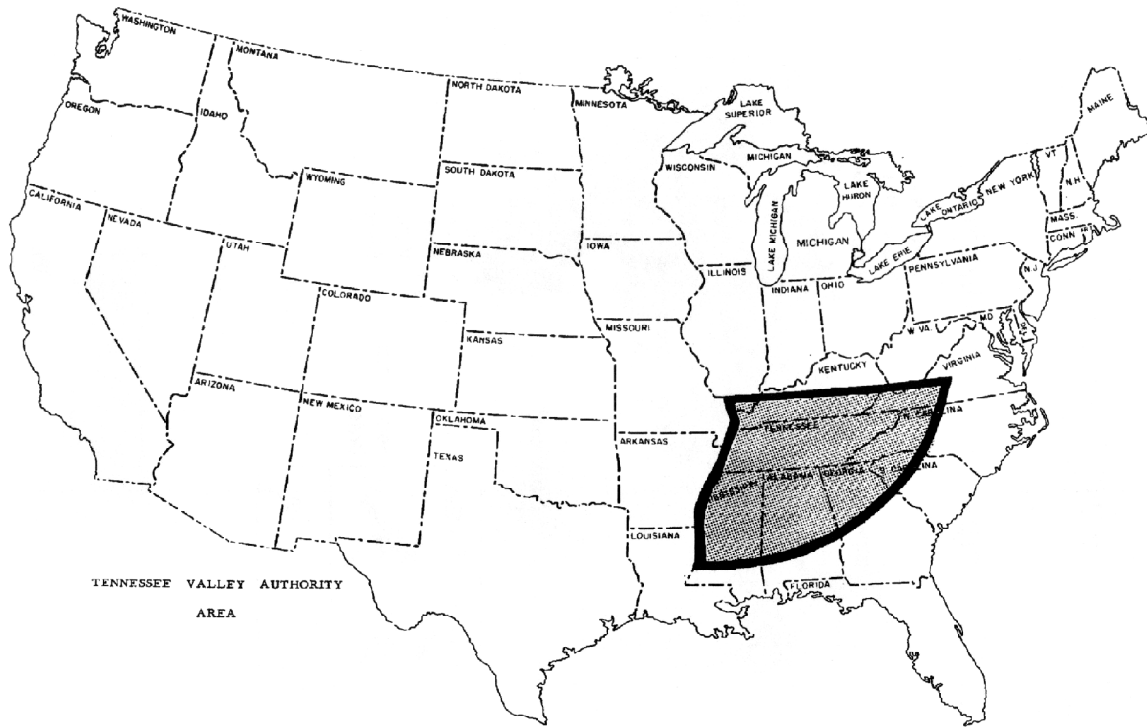


Figure 3. Coast Guard Districts

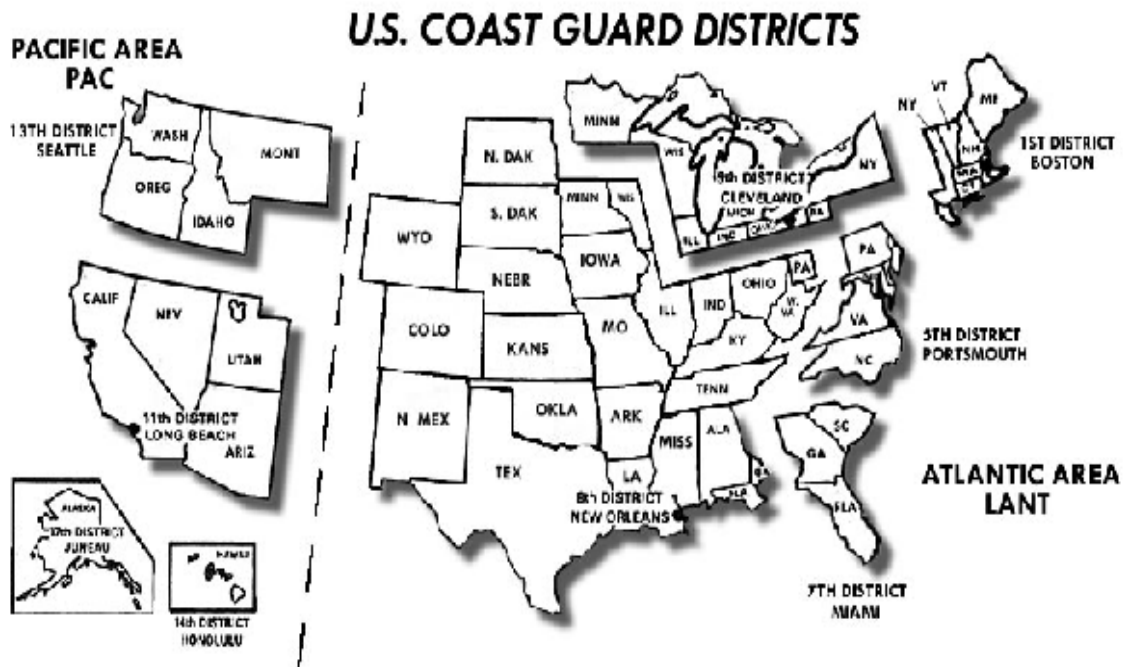


Figure 4. Navy-Marine Corps MARS Regions

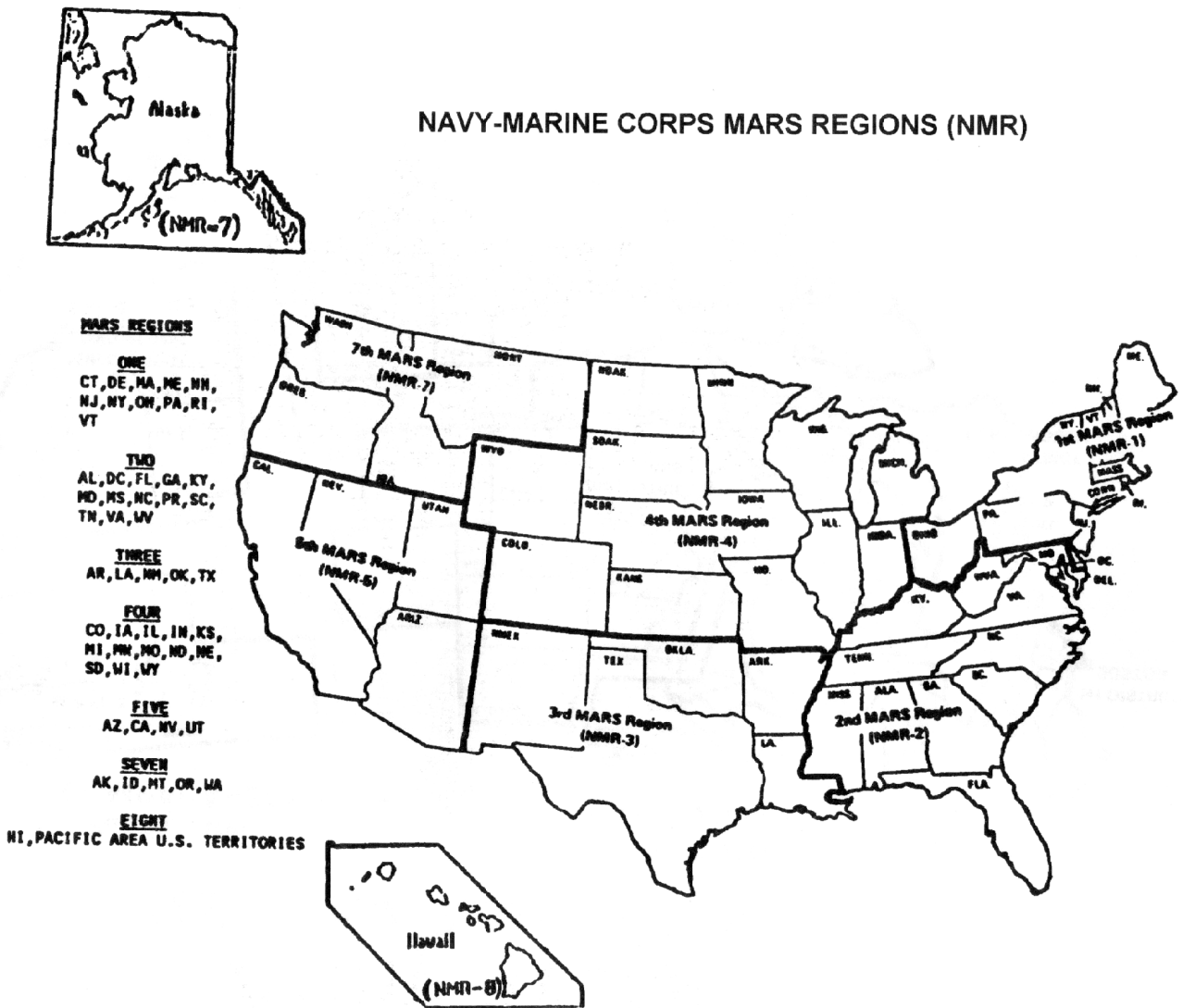


Figure 5. Army Area Coordinators

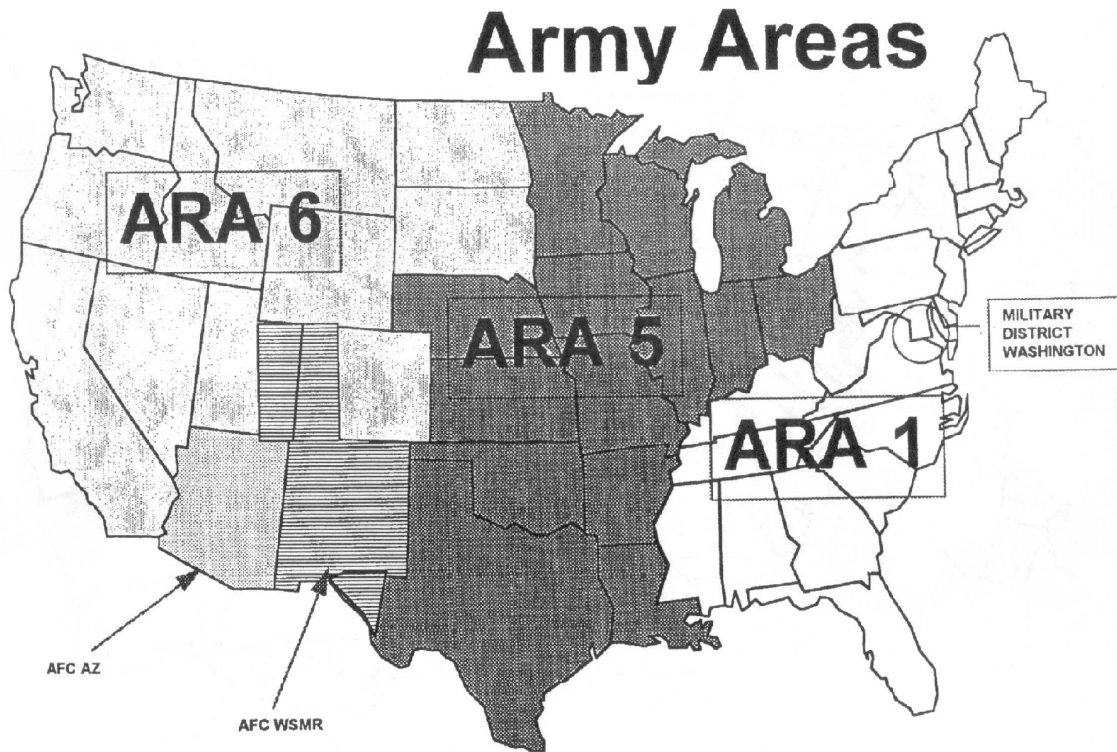


Figure 6. Army Area Frequency Coordinators

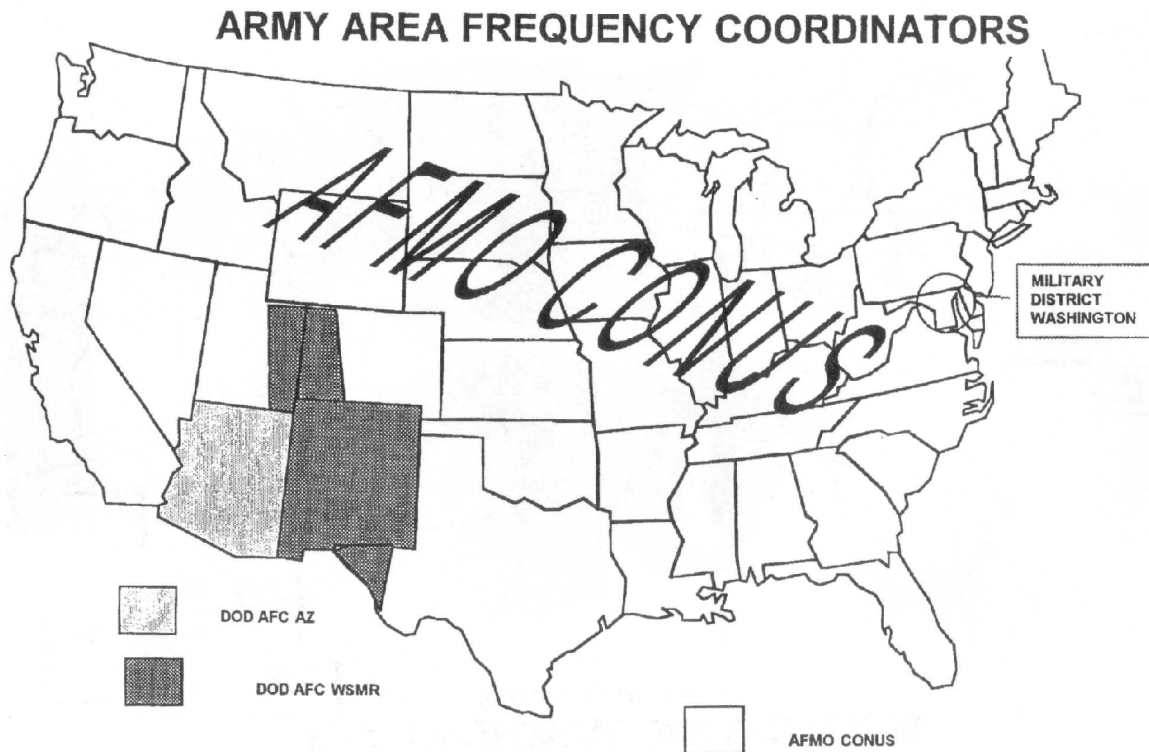


Figure 7. FAA Regions

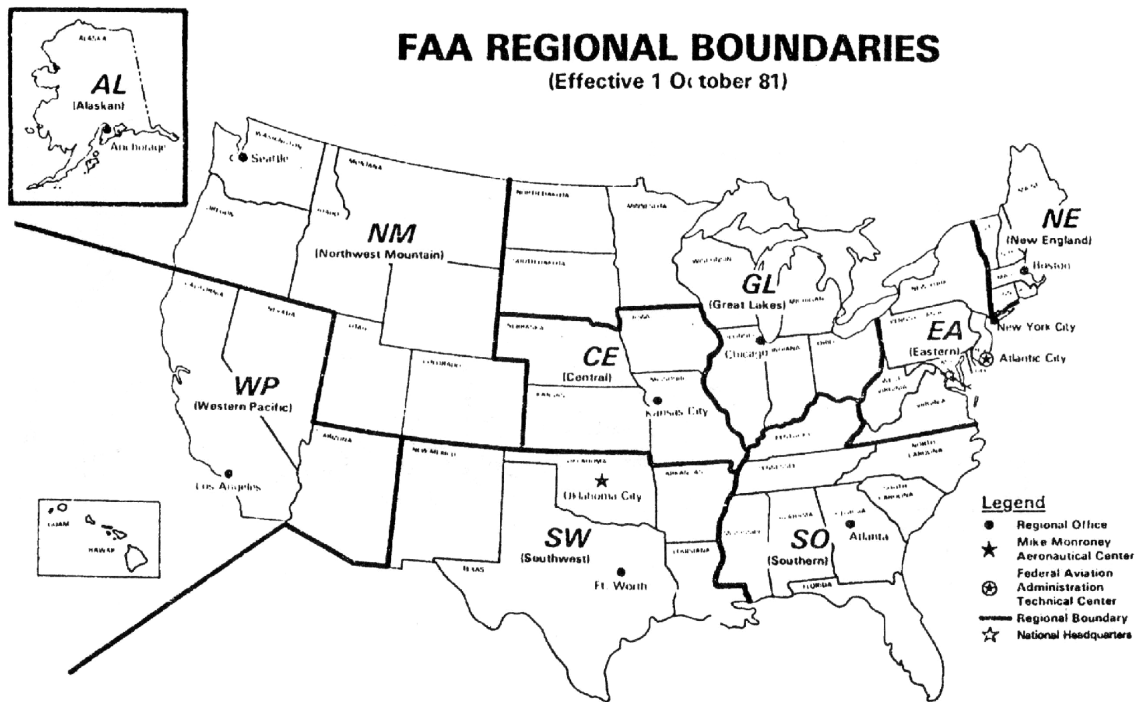


Figure 8. NRC Regions

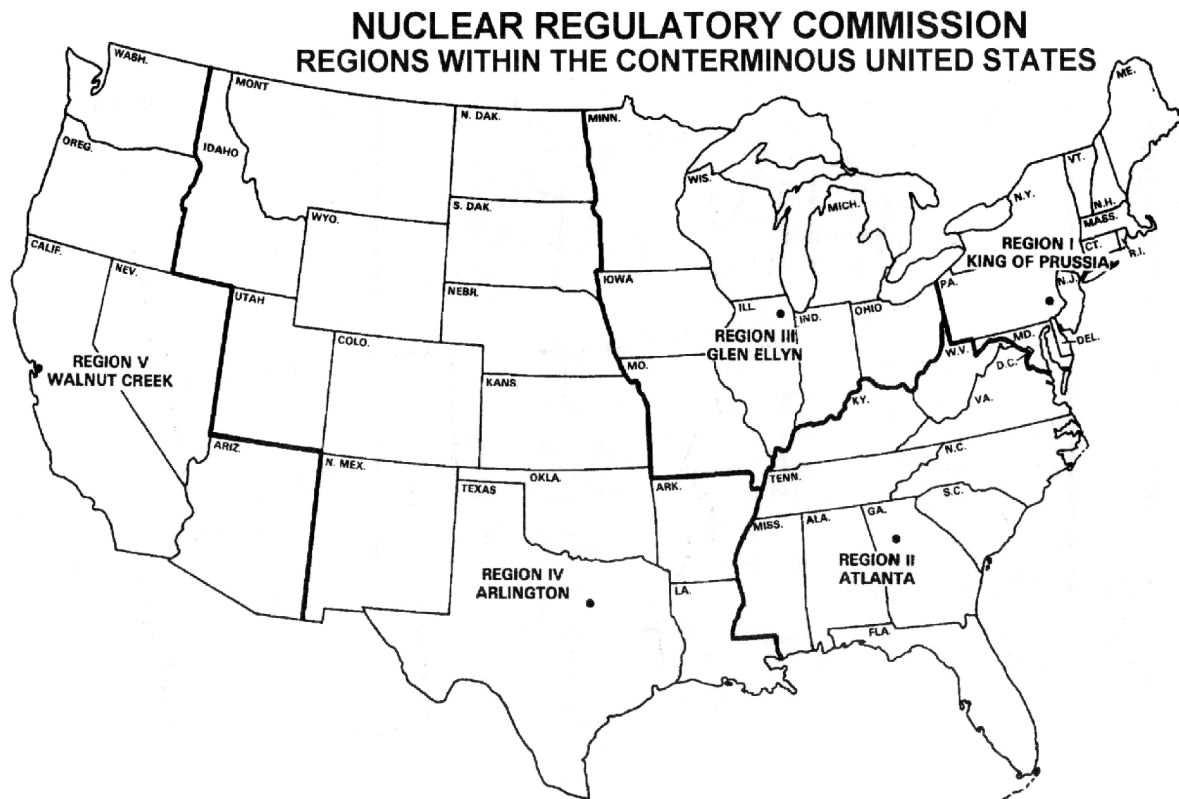


Figure 9. FEMA Regions



Figure 10. EPA Regions

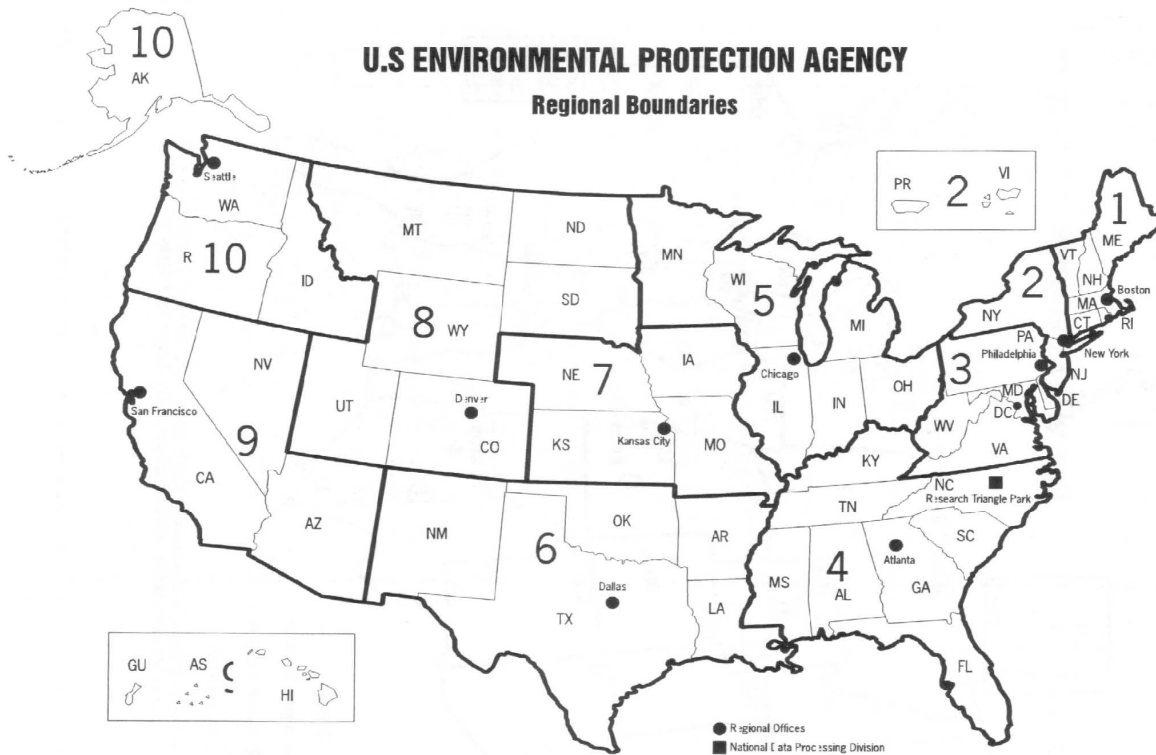


Figure 11. GSA Regions

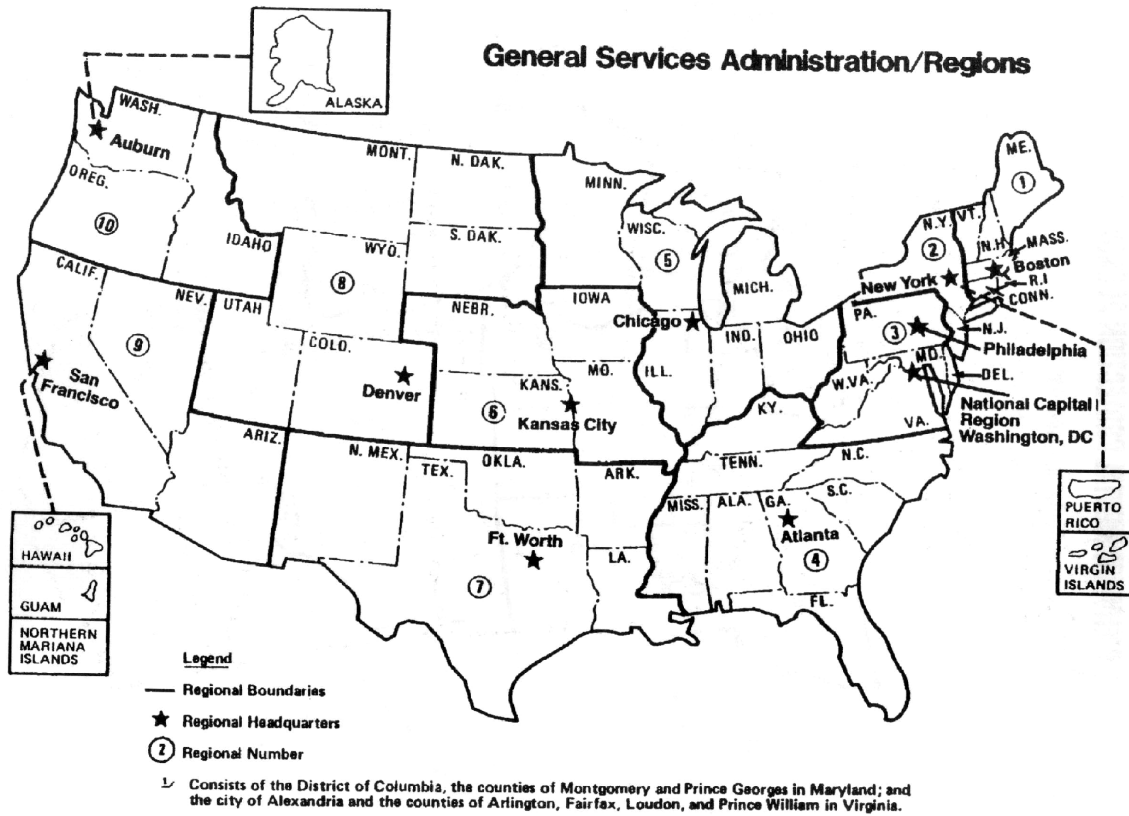


Figure 12. USAF Mars Regions

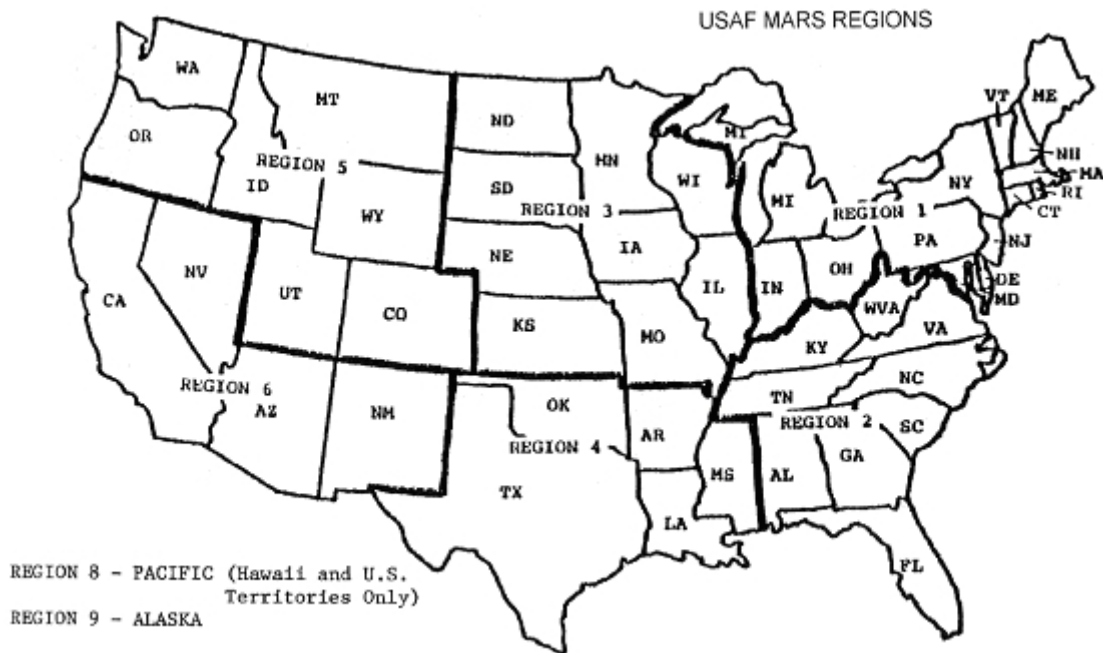
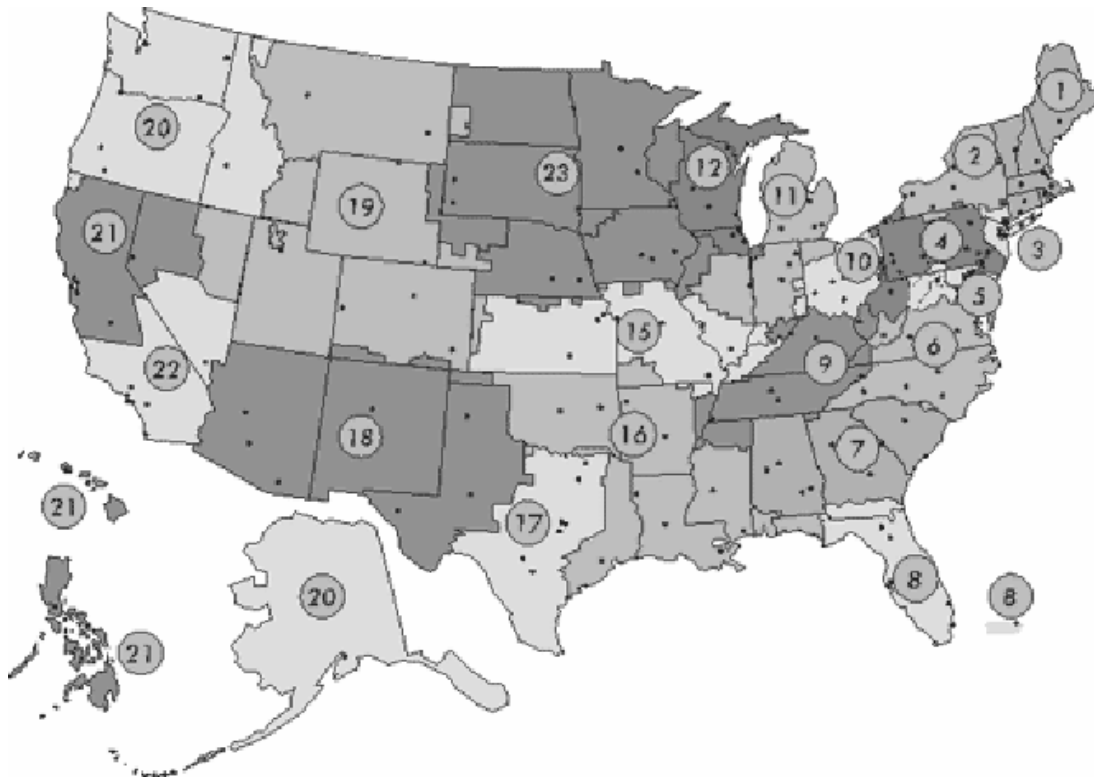


Figure 13. VA Health Administration Integrated Service Network by (VISN) by Boundaries**G.4 COMMON ABBREVIATIONS**

AAF	ARMY AIR FIELD
ARA	ARMY AREA
ARPT	AIRPORT
CGD	COAST GUARD DISTRICT
CO	COUNTY
CY	CITY
DI	DISTRICT
DIV	DIVISION
FT	FORT
IAP	INTERNATIONAL AIRPORT
IS	ISLANDS
LNB	LARGE NAVIGATIONAL BUOY
MAP	MUNICIPAL AIRPORT
MT	MONT, MONTE, MOUNT(S)
MTN	MOUNTAIN(S)
PG	PROVING GROUND(S)
PT	POINT
ST	SAINT

G.5 MANUFACTURER CODES

This part of Annex G contains those manufacturer codes that will be used in the Circuit Remarks (REM) fields of the GMF (see Chapter 9, Section 9.8.2).

A	
AAC	AACOMM, Inc.
AAE	Atlantic Aerospace Electronics Corp.
AAI	Aircraft Armaments Inc.
AAL	Air Force Avionics Lab
AAM	Alascom Inc.
AAN	AANDERAA Instruments
AAO	Aero Astro LLC
AAR	Andrea Radio Corp
AAS	Aiken Advanced Systems
AAT	Airsys ATM
ABA	ABA Electronics Mechanical System
ABB	Applied Communications, Division of Amstar
ABC	AB Net Corp.
ABR	Amber Electro Design, Inc.

ABZ	ABZ Swiss Industrial Group of Telecommunications	AFL	Air Force Lab Built
ACA	Aircraft Accessories Corp.	AGA	Aero Geo-Astro Corp.
ACC	ACE Communications	AGC	Alligator Communications, Inc
ACE	Aeronautical Communications Equipment Inc.	AGI	Agilent
ACI	Air Communications Inc.	AGN	AGA Navigation Aids Limited
ACL	ACR Electronics	AHI	Aleth Inc.
ACM	ASCOM	AHR	AETHERCOMM INC
ACN	ACE R/C Inc.	AHR	Aethercomm Inc.
ACO	Adcole Corp.	AHS	A. H. Systems, Inc.
ACR	Acrodyne or Acrodyne Industries Inc.	AIA	Alpha Industries, Inc.
ACS	AC Sparkplug Co.	AIC	Atmospheric Instrumentation Research Corp.
ACT	ALCATEL	AID	Audio Intelligence Devices Inc.
ACU	Antenna Corporation of America	AIE	Aire-Sciences, Inc.
ACW	Allen D. Cardwell Co.	AII	Atmospheric Instrument Research, Inc.
ADA	Advanced Receiver Research	AIL	Airborne Instrument Laboratories
ADC	Advanced Electronics	AIN	Ainslie Corp.
ADD	Addison Industries Ltd.	AIO	AIRONET
ADE	Advanced Electromagnetic Inc.	AIR	Aireon Manufacture Corp.
ADF	AEL Defense Corporation	AIS	Air Science Inc.
ADI	Advance Communications Inc.	AJE	Aerojet Electosystems
ADL	Adler Electronics Co. or Adler Educational Systems Division	AJT	Aerojet Precision Weapons Co.
ADM	Admiral Corp.	AKO	Polyot Aviation and Space Association
ADN	Advanced Navigation Inc.	ALA	Alakai Electronics
ADO	Advanced Development Laboratory	ALC	Applied Research Corp.
ADP	Audiopack Technologies Inc.	ALD	Alder Electronics Inc.
ADR	Adams Russel	ALE	Alfred Electronics
ADS	General Electric/Astro Space Division	ALF	Alford Manufacturing Co.
ADT	Advanced Videotech Corp.	ALG	Allgon Antenna AD
ADU	ACS (Advanced Communications System Inc.)	ALI	Advance Devices Lab. Inc.
ADV	Audio-Vac	ALL	Allison Electronics
ADY	Aerodyne	ALM	Alcom Limited
AEA	AEA Electronic Ltd.	ALN	Alenia Spazio
AEC	Allied Electronics Corp.	ALO	Alineco
AED	Aero Electronics Development	ALP	Aleph Inc.
AEI	Avion Electronics Inc.	ALR	Allister
AEL	American Electric Laboratories Inc. or American Electronic Laboratories	ALS	American Laser Sys Technology
AEM	Applied Electro Mechanics, Inc.	ALT	Altech Lansing
AEO	Aer-O-Com	ALU	Aluma Tower Co.
AEP	Aviation Electric Pacific Ltd.	ALV	Alva Radio Industries
AER	Aeronautical Electronic Inc.	AMC	Aeornca Manufacturing Corp.
AES	Aerosonic Corp.	AMD	AMD Electronics
AET	Aertech Inc.	AME	AMECO Equipment Corp.
AEX	Amex Systems, Inc.	AMF	American Machine and Foundry Co.
AFA	A.F. Antronics	AMH	Amherst Systems, Inc.
AFC	Antennas for Communications	AMI	Amecom Division
		AML	Amplica, Inc.
		AMN	American Nucleonics Corp.

AMO American Optical Corp.
 AMP Amphenol Canadian Ltd. or
 Amphenol Dist. Division
 AMQ Als Marine Radio
 AMR Aircraft-Marine Radio Corp.
 AMS American Systems
 AMT Amcor
 AMX Ampex Corp.
 ANA Andrew Antenna Corporation Ltd.
 ANC Andrew California Corp.
 AND Andrew Corp.
 ANE Antenna Electronics Co.
 ANF Aeronutronic Ford
 ANI Antac Industries, Inc.
 ANL Antenna Laboratories Inc.
 ANM Anram Electronics
 ANN Anderson Lab
 ANO ANACOM
 ANP Antenna Products Co.
 ANR Antenna Research Associates
 ANS Antenna Specialists Co.
 ANT Arnet
 ANX Antenex, Inc.
 ANY Any & Company Ltd.
 ANZ Anzac Industries
 AOA Allen Osbourne Associates, Inc.
 AOC Air Associates Co.
 AOM Air Comm Electronics
 AOP Aerospatiale
 AOR AOR, Ltd.
 APA Applied Specialities Inc.
 APC All Products
 APD Aircraft Products Co.
 APE Apelco or Applied Electronics Co.
 API Applied Research, Inc.
 APN Applied Concepts
 APO Apollo Manufacturing Co.
 APP Applied Communications
 APS Applied Systems Engineering
 APT Applied Technology
 APV Applied Devices Corp.
 ARA ARTAIS Inc.
 ARB Artars Inc.
 ARC Aircraft Radio Corp.
 ARD A.R. & D. Co.
 ARE Atlantic Research Corp.
 ARF ARF Products, Inc.
 ARH Arcata Associates, Inc.
 ARI Aerospace Research Inc.
 ARJ Aeronautical Radio Inc. or ARINC

ARK Arkay International Inc.
 ARL Atir Limited
 ARM Armstrong Transmitting Corp.
 ARN Aerotron, Inc.
 ARO Aironet
 ARP Aerospatiale
 ARR Amplifier Research Corp.
 ARS Associated Radio Service Co.
 ART Allied Radio Shack
 ARV Arvin Industries Inc.
 ARW Aero Wave
 ARX ARTEX Inc.
 ARY Airsys ATM Inc.
 ASA Asahi Optical Co.
 ASC Astronomics Corp.
 ASE Astral Electronics Inc.
 ASG Allied Signal Commercial Aviation
 System
 ASI Alto Scientific Inc.
 ASK AMSC Skycell, Inc.
 ASM Astromarine Products Corp.
 ASN Aselsan
 ASP A/S S.P. Radio
 ASQ AEI: Electronics Ltd. or Associated
 Electrical Industries
 AST Astro Communication Laboratories or
 Astaron Electronics Ltd.
 ASU Astronautics of America
 ASW Air Target Sweden
 ASY Antenna Systems Inc.
 ATA Atacs Corp.
 ATB ATCI Antennas
 ATC Astro Telecom Corp.
 ATD American Training Aid
 ATE Advanced Tech Talk
 ATF Advanced Techcom Inc.
 ATG Antenna Technology
 Communications, Inc.
 ATH Antech Corp.
 ATI Amerasia Technology Inc.
 ATL Atlantic Instrument & Electronics Inc.
 ATM Automation Inc.
 ATN Advanced Telemetry International
 ATO Autotape
 ATR Airtronics Inc.
 ATS Advanced Telemetry Systems, Inc.
 ATT American Telephone & Telegraph
 ATW ATA Defense Industries Inc.
 ATX Advanced Training Systems
 AUA Austin Custom Antennas

AUD	Audio-Sine, Inc.	BEN	Bendix Corp. or Bendix Aviation Corp.
AUM	Austin Microwave, Inc.	BER	Bertea Products or Bertea Corporation
AUP	Autophon	BET	Beta Co.
AUR	Autronics	BHA	India Bharat
AUS	Austron	BHC	Bell & Howell Communications Co.
AUT	Autonetics	BIG	Biggs Associates Inc.
AVA	Avanter Inc.	BII	Bison Instruments Inc.
AVC	Avco Corp.	BIO	Biocom Inc.
AVI	Avitron Inc.	BIR	Bird Electronic Corp.
AVK	Avantek	BIT	Bitro
AVM	AVM Instrument Co.	BJH	Bunnell J.H. Co.
AVN	Aerovironment	BKG	BKM Electronics
AVS	Advanced Countermeasures Systems	BKM	B-K Manufacturing Co.
AVT	Avtek Co.	BKR	Becker Avionics
AVX	Audiovox	BLA	Blau-Knox Co.
AXM	Anixter-Mark Co.	BLH	Bell Helicopter Textron, Inc.
AYD	Aydin	BLI	Browning Laboratories, Inc.
AYI	Airport Systems International, Inc.	BLS	Balise
AZD	Azden, Inc.	BLU	Bludworth or Bludworth Marine Division
B		BMR	Benmar
BAA	Ball Aerospace	BMS	Broadcast Microwave Services
BAB	Babcock Electronics Corp.	BNM	Benmar Division of Computer Equipment
BAC	Barry Research Corp.	BNR	Benrad, Inc.
BAD	BAE Systems	BOA	Boeing Aerospace
BAE	Barth Engineering & Mfg. Co.	BOE	Boeing Aircraft
BAI	Baird Corp.	BON	Bonner Specialties
BAK	Backgrounds Unlimited, Inc.	BOP	Bogan-Presto
BAL	Ball Brothers	BOT	Boonton Electronics Corp.
BAP	British Aerospace Public, Ltd.	BRA	BR Communications
BAR	Barrett Electronics	BRC	Belmont Radio Corp.
BAS	Bauer Electronic Manufacturing Co.	BRD	Broadcomm
BAU	Bauer Electronics Corp.	BRE	Brelonix, Inc.
BAY	Bayside Electronics Co.	BRG	BRG Precision Products
BBR	Brubaker Mfg. Co., Inc.	BRI	Bristol Aerospace Ltd.
BCA	Babcock Aerospace	BRL	Balistic Research Laboratory
BCC	British Communications Corp.	BRO	Browning Communications Associates
BCD	Bogen Comm Division Lear Siegler	BRT	Broadcast Electronics
BCO	Benco TV Associates Ltd. Canada	BRU	Brunswick Co.
BDM	BDM Corp.	BRW	Bunker Ramo World Services Corp.
BDS	Bidirectional Microwave Systems	BRZ	Breezcom Inc.
BDW	BridgeWave Communications	BSC	British Standard Cable Co.
BEB	Beckman/Berk	BTA	Benco TV Associates, Ltd.
BEC	Beckman Instruments Inc.	BTH	British Thompson Houston, Ltd.
BED	Berkeley Division of Beckman Instruments Inc.	BTI	Burle Technologies, Inc.
BEE	Beech Aircraft Corp.	BTL	Blonder Tongue Laboratory, Inc.
BEG	Bendix/King Mobile Communications	BTX	Bartex Co.
BEI	Bayside Electronics Inc.		
BEL	Bell Telephone		
BEM	Belair Electronic Laboratory		

BUD	Budelman Electronics Corp.	CDS	Cubic Defense Systems
BUK	Beukers Co.	CDS	Cubic Defense Systems
BUR	Burton Instrumentation, Inc.	CDT	Communications & Documentation Technology Co.
BUT	Butler National Corp.	CDU	Codan US Inc.
BWC	Benrus Watch Co.	CDW	Cardwell Mfg. Co.
BWI	Barker Williamson	CDW	Cardwell Mfg Co.
BZR	Bonzer, Inc.	CEC	Columbus Electronics Corp.
C		CED	Cleveland Electronics, Inc.
CAA	Canadian Arsenals, Ltd.	CEE	Communications Equipment Engineering Co.
CAB	Campbell Manufacture Company, Ltd.	CEG	Ceragon Networks Inc.
CAC	Cessna Aircraft Co.	CEI	Cleveland Electronics, Inc.
CAD	Cadre Division of Amphenol	CEL	Colorado Electronics
CAE	Canadian Aviation Electronics	CEM	Continental Electronics Manufacturing Co.
CAH	Capehart Corp.	CEN	Communications Engineering Co.
CAI	Communication Associates, Inc.	CEO	Celesco Industries
CAL	Cornell Aeronautical Laboratories, Inc.	CER	Centry Research Corp.
CAM	Canadian Marconi	CES	Checkpoint Systems, Inc.
CAN	Canoga Electronics Corp.	CET	CETEC Vega
CAP	Communications Applied Technology	CEU	Centurion International, Inc.
CAR	Canadian Radio Corp.	CFD	Camfield Mfg. Co.
CAT	Canadian Telephone Co.	CFM	California Microwave
CAW	Canadian Westinghouse	CGE	Canadian General Electric Co. or Canadian GE
CBC	Columbian Bronze Corp.	CHA	Channel Master Corp.
CBE	Crown Broadcast Electronics	CHD	Childs
CBM	CBM Electronics	CHE	Challenger Electronics Corp.
CBR	Cober Electronics, Inc.	CHI	Columbian Hydronxionics Inc.
CBW	Cable Waves	CHK	Checker Electronics Corp.
CCA	CCA Electronics Corp.	CHL	Chelton, Inc.
CCB	Control Chiefs, Inc.	CHM	Chesapeake Microwave
CCC	Cadion Communications Corp.	CHR	Chris Craft Corp.
CCD	Control Industries	CHT	Chester Electronics
CCE	Comelit Compagnia Electronics	CHU	CHU Associates
CCF	Coastal Climate Company	CHV	Chance Vought Aircraft Corp
CCH	Consultants Choice, Inc.	CIA	Campatnia Industrial Aerospace
CCI	Communications Carriers, Inc.	CIC	Cubic Industrial Corp.
CCJ	Communications Co., Inc.	CII	Communications Industries, Inc.
CCK	Carlson Communication, Inc.	CIL	Cossoe Intruments, Ltd. (UK)
CCM	Communications Components Corp.	CIN	Cincinnati Electronic Corp.
CCO	Colt Communications Corp.	CIR	CIR Industries
CCP	Continental Electric Corporation	CIT	Citizens Radio Corp.
CCR	Coherent Radiation Co.	CKC	Cook Communications Corp.
CDB	Computing Devices Co.	CLA	Clarion Corp.
CDC	Control Data Corp.	CLC	Control Laser Corp.
CDI	Consultants and Designers, Inc.	CLD	Clegg Division of International Signal & Control
CDN	Cardian Electronics	CLE	Clegg Laboratories, Division of
CDO	Canadian Department of National Defense		
CDP	Codan Pty, Ltd		
CDR	Codar Ocean Sensors		

	Squires-Saunders Inc.	CPI	CPI, Communications
CLF	California Amplifiers	CPL	Codan Pty, Ltd.
CLI	Clark Instrument Co.	CQP	Cinequip, Inc.
CLM	Clairmonte Industries	CRA	Craig System, Inc.
CLN	Calspan Corp.	CRB	Commercial Resources Communications
CLT	California Technology	CRC	Collins Radio of Canada
CLU	Campbell Scientific Inc. Of Logan Utah	CRE	Comaire Electronics
CLW	Celwave Systems	CRF	Crofs Electric Co.
CMB	Cambridge Consultants	CRH	Crouse-Hinds
CMC	Comet Company, Ltd.	CRN	Crylarm
CME	Century Metal Parts Corp.	CRO	Crosley
CMI	CMI, Inc.	CRP	Concord Electronics Corp.
CML	Communications Measurement Laboratory	CRR	Colonial Radio Corp.
CMO	Canadian Motorola	CRT	Cartwright Electronics Inc.
CMR	COMSAT, RSI	CRU	Cruise Technology
CMS	Cosmos Industries	CRY	Carry Phone Corp.
CMT	Communitronics	CSA	CSI Electronics
CMU	Communitronics Ltd	CSC	Customs Signal Corp.
CMW	Comwave	CSI	Control Science, Inc.
CNA	China Electronic Import and Export Corp.	CSP	Communications Specialists
CNC	Conic Corp.	CSR	Citizen Ship Radio Corp.
CNE	Com/Nav Electronics	CSS	Communications Satellite Corp.
CNI	Contraves Italiana	CTA	CTA Space Systems
CNN	Cannon Electronics	CTC	CTI Corp.
CNP	Conspec Controls Inc.	CTM	Continental Microwave and Tool Co.
CNR	Conifer	CTN	Chemrad Tennessee Corp.
CNT	Comant	CTP	Carterphone Communications
CNY	Canyon Communications Corp.	CTR	Cattron, Inc.
COA	Communication Specialities	CTT	Connecticut Telephone & Electric
COB	Cobra	CUB	Cubic Co.
COC	Communication Co.	CUC	Communications Devices Co.
COD	Conductron Corp.	CUL	Culbertson Industries, Inc.
COE	Communication Electronics Co.	CUM	Custom Electronic Manufacturing Co.
COH	Cochran	CUR	Curtis Wright Corp.
COI	Comtech Lab, Inc.	CUS	Cush Craft
COK	Cook Electric Co.	CUT	Cutler Hammer Inc. or AIL Division of Cutler Hammer
COL	Collins Radio Co.	CVL	Carvill International Corp.
COM	Comrex	CVR	Convair
CON	Continental Electronics, Ltd.	CWE	Comwave
COO	Coro Metrics Medical Industries	CWI	Cartwright, Inc.
COP	Communications Products Co.	CWR	C.W. Radiation Co.
COR	Continental Radio	CYB	Cybermation
COS	Cosser Electtonic	CYL	Cylink Corporation
COT	Contraves AG	CYT	Cybernet International, Inc.
COU	Courier Communications, Inc.	D	
CPA	Computalert	DAD	Door Alarm Devices Corp.
CPD	Compudyne Corp. EWI Division	DAE	Davco Electronics Inc.
		DAG	Dage Electric Co.

DAM Danmar
 DAN Daniels Electronics Limited
 DAP Dayton Aircraft Products Inc.
 DAR Dare, Inc.
 DAT Data Control Systems
 DAV Dalmo Victor Co.
 DAY Daystrom, Inc.
 DBM Three DBM Systems
 DBS DeBernardi Scientific Corp.
 DCE Decatur Electronics, Inc.
 DCF DCF Systems, Ltd.
 DCI Defense Communications Engineering Inc.
 DCM Delcom
 DEA Decca Radar Ltd. UK
 DEB DEBEG-GMBH
 DEC Decibel Products, Inc.
 DEF Deferral
 DEG EL (Design Engineering Lab, Inc.)
 DEI Defense Electronics
 DEL Delmar Engineering Laboratories
 DEM Demco Electronics
 DEN Denel Aerospace Group
 DER Dentron Radio Corporation
 DES Delstar Corp.
 DET Detroit Bullet Trap Co.
 DEV Develco, Inc.
 DEW Dewey GC, Inc.
 DFN Delfin
 DGI Dayton Granger, Inc.
 DGR Douglas Randall Div. of W.K. Radio Alarm Box DHVDHV, Inc.
 DHV DHV Inc.
 DIC Diamond Antenna-Microwave Co.
 DIE Dielectric Products Engineering Co., Inc.
 DIG Digital Radio
 DIL Diamond Laboratories
 DIM Dimick Manufacture Corp.
 DIR Direction Corp.
 DIT Digitize, Inc.
 DIV Divco Wayne Corp.
 DIX Dixon Industries Corp.
 DJC Dickey-John Corp.
 DJH Dewitt, John H.
 DLA Dumont Division of Ling Altec, Inc.
 DLB Denro Lab
 DLC Dynalab Corp.
 DLF Dell Space Star
 DLN Del Norte

DMC Digital Microwave Corp.
 DMD Dyna Magnetic Devices
 DMI Data Marine International
 DMR Dubose Marine Radio
 DMT Defiance Machine Tool Co.
 DNE DNE Technologies, Inc.
 DNS Decca Navigator Systems, Inc.
 DNT Del Norte Technology, Inc.
 DOE Domestic Radio
 DOI Domino, Inc.
 DOL Doolittle Radio, Inc.
 DOM Dorne Margolin, Inc.
 DOP Davidson Optronics
 DOR Dorsett Laboratories
 DOS Dorsett Electronics Division (LaBarge, Inc.)
 DOU Douglas Aircraft
 DOW Dow Chemical Co.
 DPA Dapa Communications, Inc.
 DPR Data Products, Inc.
 DRA Drake RF Co.
 DRC Dollar, Robert Co.
 DRD Dero Research Development Corp.
 DRG Deskin Research Group
 DRI Decca Radar, Inc.
 DRK Data Radio Corp.
 DRP DRS Precision Echo, Inc.
 DRS Dressler Engineering, Inc.
 DSC DSC Communications
 DSE Denso Electronics
 DSI Daytron Systems, Inc.
 DSY Defense Systems, Inc.
 DTC DTC Communications
 DTE Daytong Electronics, Ltd
 DTM Datum
 DTS Data Transmission Science, Inc.
 DTW Datawell
 DUB Dubrow Development Co.
 DUM Dumont Laboratories or Dumont, Allen B. Laboratories, Inc.
 DUT Duelatron
 DVR Diversitel Communications, Inc.
 DVS Davis Co.
 DVT Dav-Tron Co.
 DXR DX Radio Corp.
 DYA Dynalec Corp.
 DYC Dynamic Communications
 DYM Dymec
 DYN Dynatronics, Inc.
 DYR Dynair Electronics

DYS	Dynascan Corp.	ELF	Electrofact NV
E		ELI	Electrac, Inc.
EAD	European Aeronautic Defense and Space Company	ELL	Electronic Laboratories, Ltd.
EAG	Eagle-Picker Industries, Inc.	ELM	Electronic Material International, Ltd.
EAI	Elta-Ashdad Israel	ELO	Eldorado Electrodata
EAK	Easker	ELR	Electrofab
EAR	Earmark, Inc.	ELS	Electromagnetic Sciences, Inc.
EAS	Eastern Industries, Inc.	ELT	Electrotech Corp.
EAT	Eagle Technologies, Inc.	ELU	ELTS Unlimited, Inc.
EBC	EB Corp.	ELY	Eldyne, Inc.
EBN	EB-Nera	EMA	Electro Magnetic Sciences Co.
EBP	Emcee Broadcasting Products Inc.	EMB	Emergency Beacon Corp.
ECC	ECI Telecom Ltd.	EMC	Electronics Missiles Communications, Inc.
ECI	Electronics Communications, Inc.	EMD	Electronics & Manufacturing Co.
ECL	Eaton Corp. AIL DIVN.	EME	Emerson Research Labs
ECM	Encomm, Inc.	EMH	Electro-Mechanics Co.
ECO	Econolite	EMI	EMI-Cossor Electronics Ltd. or EMI Marine Division
ECR	Edecor	EML	EMI Electronics, Ltd.
ECT	Electrotape	EMP	Electromagnetic Processes, Inc.
EDA	Electro Data, Inc.	EMR	Electro Mechanical Research, Inc.
EDC	Electronic Development Corp.	EMS	Electrometrics
EDE	Environment Development Corp.	EMT	EMR (Sangamo Weston, Inc.)
EDI	Edison Pageitalia	EMW	Eastern Microwave Corp.
EDL	Edler Industries	ENA	ENAC/Triton Corp.
EDO	EDO Corp.	ENC	Electronic Navigation Corp.
EDR	EDO Aire	END	ENDECO
EDZ	Electronic Devices Corp.	ENG	Engineering Services
EEB	EEB (Electronic Equipment Bank)	ENI	Electronic Navigation Instruments
EEC	Electronic Engineering Co.	ENR	Environmental Research Institute
EEE	EMCEE, Co.	EOI	Elmer (Italy)
E EI	EICO Electronics Instruments Co.	EOS	Electro Optical Systems
EEL	Emerson Electric Co.	EPL	Epsilon Lambda Electronics Corp.
EER	EER Systems	EPS	EPSCO, Inc.
EES	Elisra Electronics System, Ltd.	ERA	Ericsson, L.M. Ltd.
EFD	EF Data	ERC	ERCO Radio Laboratories
EGD	Electrogarde, Inc.	ERD	Emhiser Rand
EGG	Ernst, Grier Germerhausen Co.	ERI	Electronics Research Industries
EGX	Energy-Onix	ERM	Erim International Inc.
EII	EMC Instrument Co.	ERN	Erichson
EIM	Eitel McCullouth, Inc. (EIMAC)	ERP	Erapsco
EIP	Electromatic, Inc.	ERX	Emhiser Research, Inc.
EIT	Eitel Electronics	ESC	ESCO
EKA	Eureka Sys, Inc.	ESD	ESL, Inc.
EKP	EK Products, Inc.	ESE	Electronic System Technology
ELA	Ellason	ESG	Eurosattellite GMBH
ELB	Electrolab	ESI	Energy Systems, Inc.
ELC	Electronics Concepts, Inc.	ESL	Electromagnetic Spectrum Laboratory
ELD	Eldico Electronics	ESM	Espey Manufacturing Co.
ELE	Electron Corp.		

ESN Espey Mfg Electronics
 ESP Electronic Speciality Co.
 ESQ Electronic Signal Products
 ESR Esterline
 ESS Electronic Support Systems, Inc
 EST Electric Service Co.
 ESY E-Systems
 ETC Electromagic Technology Corp.
 ETE Enterprise Electronics, Inc.
 ETN EMS Technologies LST
 ETO Electro Systems International
 ETR Ecatek, Inc.
 ETS Electronic Systems Technology
 EUU European Antennas
 EVC Electric Voice Corp.
 EXE Executive Communications
 EXI EXICOM New Zealand, Ltd.
 EXT Executone, Inc.
 EXX EXETEX
 EYR Eyring Research Institute
F
 FAA Federal Aviation Administration
 FAC Fairchild Engineering Corp.
 FAG Fargo Co.
 FAI Fairchild Stratos
 FAL Frant, Alan I.W.
 FAM F & M Electronics
 FAN Fannon
 FAP Fran Air Products Co.
 FAR Farnsworth TV Radio
 FAS Ford Aerospace Corp.
 FAU Fernau Avionics Ltd.
 FCC Federal Communication Corp.
 FCM Fairchild Camera and Instruments
 FCO FINCO
 FDC Fairchild Data Corporation
 FEC Farinon Electric
 FED Federal Telephone Radio Corp.
 FEI Florida Communications and
 Electronics, Inc.
 FEL Frequency Engineering Laboratories
 FEM FEMCO, Inc. or FEMCO Div. Gulton
 Industries
 FER Ferguson Communications, Inc.
 FET Federal Telegraph Co.
 FFE F-F Electronics
 FGE F. G. Engineering
 FGI Fleetwood Group, Inc.
 FHM F & H Manufacturing Corp.
 FIB Fibercom

FIC Ferritronics
 FIG Figgie International
 FIL Filmindex Corp.
 FIN Finney Co.
 FIR Firetide Inc.
 FLA Flam Russell
 FLE Flightline Electronics
 FLL Flight Refuel, Ltd.
 FLO Flotronic Products, Inc.
 FLR Flir Systems, Inc.
 FLT Flite-Tronics
 FMI Farinon Microwave
 FNT Fonet, Inc.
 FOK Fokker
 FON Fontek
 FOR Fort Worth Tower Co.
 FOS Foster Airdata Systems ,Inc.
 FRA Francis Industries, Inc.
 FRF Four Rf Communications
 FRH French Center National D'Etudes
 Spatiales (CNES)
 FRL Fisher Research Laboratory, Inc.
 FRV Fraser-Volpe
 FRW Freewave, Inc.
 FSC Federal Signal Corp.
 FSI Frequency Source, Inc.
 FSR Federal Signal Radio
 FSS Federal Sign and Signal
 FUE Fuchs Electronics
 FUJ Fujitsu Tem Corp. of America
 FUR Furuno
 FUT Futaba
 FWC F.W. Carpenter Manufacturing Co.
G
 GAA General Atomics
 GAB Gabriel Corp.
 GAC General Atronics Corp.
 GAD Gates American Corp.
 GAE General Aviation Electronics
 GAI Garmin International
 GAL Granger Associates ,Ltd.
 GAM GAM Electronics, Inc.
 GAP General Avionics
 GAR Garrett Manufacturing, Ltd.
 GAS Grumman Aerospace Corp.
 GAT Gates Radio Co.
 GAW Gamewell Division of Gulf Western
 GBC General Bronze Corp.
 GDC General Development Corp.
 GDE General Dynamics/Electronics

GDI	Godfrey Engineering, Inc.	GSS	Geo Space Systems, Inc.
GDN	Geodynamics Corp.	GTC	Granite Telecom Corp.
GEC	GEC Telecommunications, Ltd.	GTE	GTE Sylvania
GEE	General Electric England	GTI	Skylink Uhf Wireless Network
GEI	Galaxy Electronics, Inc.	GTL	GTE Lenkurt
GEL	General Electronics Laboratories, Inc.	GTP	GTE Products Corp.
GEM	Gem Marine Products	GTS	Gemtronics
GEN	General Electric Corp.	GUD	Gudeman Co.
GEO	Geodyne Corp.	GUL	Gulton
GEP	Genesys Systems	GYE	Glenayre
GES	Geophysical Survey System, Inc.	GYR	Gyrodyne Co.
GEV	Genave	H	
GHH	GH Harlow, Inc.	HAC	Harris Corp.
GIB	Gibson Antennas	HAD	Harris Aerospace Systems Divn.
GIC	General Instrument Corp.	HAE	Harbor Electronics
GII	Gulton Industries, Inc.	HAI	Hallmark Instruments, Inc.
GIL	Gilfillan Bros, Inc.	HAK	Harkins Radio
GIM	Gimeni III	HAL	Hallicrafter Co.
GIT	Georgia Institute of Technology	HAM	Hammarlund Manufacturing Co. or Dumont Division of Hammarlund
GLB	GLB Electronics, Buffalo, N.Y.	HAN	Handar Company
GLO	Globe Industries	HAP	Hornet Antenna Products Co.
GLR	G&L Marine Radio	HAR	Harvey Radio Laboratories, Inc.
GMC	General Motors Corp.	HAS	Hastings Raydist, Inc.
GME	General Microwave Services	HAY	Hays Corp.
GMI	General Microwave Corporation	HAZ	Hazeltine Corp.
GMS	Galaxy Micro Systems, Inc.	HBS	Huber and Suhner AG
GMW	Global Microwave, Inc.	HCC	Hal Communications
GNI	GPS Networking Inc	HDL	Harry Diamond Lab.
GNT	Grant Applied Physics	HDS	Household Data Services, Inc.
GOA	Goodyear Aerospace Corp.	HEA	Heath Co.
GOM	Geomation	HEC	Hecules Defense Electronics Systems
GON	Gonset Corp. or Gonset Division of Aerotron or Dumont Division of Gonset	HEK	Hekimian Laboratories, Inc.
GOT	Geotel Development	HEL	Hermes Electronics
GOU	Gould, Inc.	HEN	Hendys Two Way Radio Service
GPA	Gans, Pugh & Associates, Inc.	HEP	Hewlett Packard
GPI	General Precision Inc., Ltd. (UK)	HER	Hermer Electronics, Ltd.
GPL	General Precision Laboratories or Singer-General Precision, Inc.	HES	Harbor Electronics Services
GRA	Granger Associates or Bauer Broadcast Division of Granger	HFI	Harris Farinon, Inc.
GRC	General Radio Co.	HIC	Harris Intertype Corp.
GRE	GRE America	HII	Herley Industries
GRO	Ground Data Corp.	HIQ	HI-Q Electronics, Inc.
GRR	Green Mountain Radio Research	HIS	Highway Information Systems, Inc.
GRT	General Radiotelephone Co.	HIT	Hittite Microwave
GRU	Gruen Watch Co.	HJH	Harrison, John H.
GRY	Gray Radio Company, Inc.	HKL	Henitz & Kaufman, Ltd.
GSE	General Service Engineering	HLI	Holobeam Laser, Inc.
		HMC	Hartman Marine Equipment Corp.
		HME	Hartman Marine Electronics Corp.
		HMI	HM Electronics, Inc.

HMK Heimark Electronics Laboratory
 HMS Herley Microwave Systems
 HMT Hamtronics
 HOB Hobby Lobby International
 HOF Hoffman Electronics Corp.
 HON Honeywell
 HOR Horizon
 HOU Houston Corp.
 HRB HRB Singer, Inc.
 HRC Henry Radio Co.
 HRM H.R. Smith
 HRS Hendy Radio Service
 HSA Hallands Signal Attaraten
 HSC Hawkeye Systems Corp.
 HSD Halstead
 HSI Hi Sierra
 HSS Hydro Space Systems
 HSY Hartman Systems (Div. of ATO)
 HTC Hughes Tool Co.
 HTI Hamtronics, Inc.
 HTS HT Systems
 HUA Hamilton Standard Division-United Aircraft
 HUB Hubcom (Hubbard Communications, Inc.)
 HUD Hudson American
 HUG Hughes Aircraft Co.
 HUL Hull Electronics Co.
 HUN Huntley
 HUS Hustler
 HYB Hybrid Network, Inc.
 HYD Hydrolynx
 HYE Hy-Gain Electronics Corp.
 HYG Hygain Antenna Products
 HYN Hytenna
 HYP Hyperlink Technologies
 HYT Hytel Corp.
I
 IAI Israel Aircraft Industries, Ltd.
 IAL International Aeradio, Ltd.
 IBM International Business Machine Co.
 ICI Inmotion Controls, Inc.
 ICM ICOM
 ICO International Corp.
 ICS Industrial Comm Systems
 ICX ICX Technologies
 ICX Icx Technologies
 IDE IDC Electronics
 IDI Identification Devices, Inc.
 IEC IEC Electronics Corp.

IEI Intercontinental Electronics, Inc.
 IEM Intermec
 IFD In-Flight Devices Corp.
 IFR Instrument Flight Research Corp.
 IGT Insight Technology
 III Intellitech Industries, Inc.
 IIT IITRI
 IKE Ikegami Electric Co.
 ILS International Laser Systems, Inc.
 IMA ITT Mobile Communications
 IMC International Microwave Corp.
 IMM International Mobile Machine, Inc.
 IMS International Meteorological Systems
 IMT International Mobile Telephone Systems
 INC INTRAC
 IND Industrial Radio Corp.
 INE Intech, Inc.
 INL Inland Communications, Inc.
 INM Intermic
 INO Inovonics Corporation
 INR Intrelex, Inc.
 INS IN-SNEC
 INT Interstate Electronics Co.
 INV Internav, Ltd.
 IOT Interstate Oil Transport Co.
 IRC Islip Radio Corp.
 IRE International Radio Electronics Corp.
 ISC International Signal and Control
 ISD ISC Defense Systems
 ISE International Standard Electric Corp.
 ISI IFR Systems, Inc.
 ISS Information Station Specialist
 IST Innerspace Technology, Inc.
 ISY International Ltd.
 ITA ITA Electronic Corp.
 ITB ITT Electron Tube Division
 ITC ITT Telecommunications
 ITD ITT Decca, Inc.
 ITF ITT Defense Communications
 ITG ITT Gilfillan
 ITH Indiana Technical Corp.
 ITI ITI Electronics, Inc.
 ITK ITT Kellogg Communication System
 ITM ITT Mackay Marine
 ITO ITT Aerospace/Optical
 ITP International Telephone & Telegraph Corp. or ITT Industrial Products
 ITR Itek Corp.
 ITS ITT Standard

ITT	ITT Federal Laboratories	KEI	Keith Anderson Co. or Keith V. Anderson
ITV	ITT Avionics	KEL	Kelvin Hughes, Ltd.
IWC	Interwave Communications	KEN	Kennedy Co.
IWI	Insulated Wire, Inc.	KEY	Key Systems, Inc.
J		KFE	K-F Electronics
JAB	Jaybeam	KIE	Kinn Electronics Corp.
JAC	JASCO International	KIG	Kingfisher
JAH	Janco Inc.	KIL	Kilgore Corp.
JAM	Jampro Antenna Co.	KIM	Kimball Products Co.
JAR	Robert A. Jones	KIN	King Radio Corp.
JAS	Jasik Laboratory	KIS	Kings Electronics Co.
JAY	Jay Tapp Inc.	KKC	Kobe Kogyo Corp.
JCA	J.C. Air	KLM	KLM Communications
JCC	J.C. Chastain	KMC	Kinometrics
JCI	Johnson Control, Inc.	KMU	Kalmus
JCP	J.C. Penney Company	KNI	Knight Electronics Corp.
JDE	John Deere	KNR	Kitronic Labs Inc.
JDT	Johnson Data Telemetry Corp.	KOE	Konigsberg Electronics, Inc.
JEF	Jefferson Ray, Inc.	KOK	Kokusai Electric Co.
JEP	Jet Propulsion Laboratory	KOL	Kollsman Instrument Corp.
JER	Jerrold Electronics Corp.	KOR	KOR Electronics, Inc.
JET	Jetronix	KOV	Kongsberg Vapenfabrikk
JFD	JFD Research-Development Laboratories	KRA	Kraft Systems
JHS	J&H Smith Mfg., Co.	KRD	Korad Corp.
JHU	Johns Hopkins University	KRE	Kreco Co.
JNL	Janel Labs	KRI	Kris Inc.
JNN	Johnson Associates	KRL	Kahn Research Laboratories
JOH	Johnson E.F.	KTI	Keltec Industries
JRC	Japan Radio Co.	KUB	Kubota Kisho Shokki Co.
JRD	RAYJ	KUS	Kustom Signal Corp.
JRL	Japan Remote Control Company, Ltd.	KUX	Kustom Electronics Inc.
JRS	Joes Radio Shop	KVH	KVH Industries, Inc.
JSB	J.S. Betts Co.	KYD	Kyokuto Denshi
JVC	JVC Corp.	L	
K		LAA	Los Alamos Technical Associates, Inc.
KAL	K and L Microwave Inc., A Dover Tech Co.	LAB	La Barge, Inc.
KAM	Kaman Electronic Systems Division	LAC	Loea Corporation
KAN	Kantronics	LAF	Lafayette Radio or Lafayette Radio & Electronics
KAR	Kaar Engineering	LAG	LAG Engineering
KAT	Kathrein, Inc.	LAM	LaFayette Micro
KAV	Kavouras, Inc.	LAN	Lance Antenna Corp.
KAW	Kawasaki Industries	LAP	Lapointe Industries, Inc.
KDC	Kyoritsu Dempa Co.	LAR	Largo Electronic Manufacturers Inc.
KDK	KDK Inc.	LAS	Larson Electronics
KEA	Kearfott Engineering Corp. USA	LAT	Latus D.N. & Co.
KEB	Kebby Microwave Corp.	LAV	Lavoie Laboratories, Inc.
KEC	KEL Corp.	LCA	Univ. of Lowell Ctr. for Atmospheric
KED	Kenwood		

Research
 LCM Lecom, Inc.
 LCO Link Communications
 LDS Loral Data Systems
 LEA Lear, Inc.
 LEC Lorain Electronics Corp.
 LED Lucas Ledex
 LEE Lenkurt Electric Company of Canada, Ltd.
 LEG Leigle Instruments, Ltd.
 LEI Leigh Instruments, Ltd. or Leigh Systems
 LEN Lenkurt Electric Co.
 LET Lectrosonics, Inc.
 LFC LFE Electronics Corp.
 LFE Laboratory for Electronics, Inc.
 LGD L'Garde
 LGT Logis-Tech Inc
 LIB Librascope
 LIG Lightcraft Avionics
 LII Litton Industries
 LIL Lincoln Laboratory
 LIN Ling Systems, Inc.
 LIR Linkradio or Litton Educational Technical Div. or Gonset Division of Layco, Inc.
 LIT Litton Systems, Ltd.
 LIV Livermore Data Systems
 LKW Linkavit Wireless, Inc.
 LLC Laset Link Corp.
 LLE L.L. Electronics
 LLL Lawrence Livermore Laboratory
 LMB Lambda RF Systems
 LNN Linear Corp.
 LNR LNR Communications, Inc.
 LOA Los Alamos National Laboratories
 LOC Lockheed Electronics
 LOE Loral Electronics Corp.
 LOG Logimetrics, Inc.
 LOK Lotek
 LOM Lockheed Martin Astro Space
 LOR Lorrain County Radio Corp.
 LOS Lockheed Sanders, Inc.
 LOT Lotran, Inc.
 LPB Low Power Broadcast Co.
 LPE Lambda Pacific Engineering
 LRE Lorenz
 LRS Long Range System
 LSB Lear Siegler/Bogen
 LSC L-3 Space Communications

LSI Linear Systems, Inc.
 LTS LTV Aerospace Defense Co. (Sierra Research Division)
 LTV Ling Temco Vaught, Inc.
 LUC Lucos Air Space
 LUE Lunar
 LUG Laguna Industry
 LXE LXE, Inc.
 LYN Lynch Communications Systems, Inc.
M
 MAA Maxar
 MAB M/A Comm AC, Inc.
 MAC Marconi Instruments, Division of English Electronics
 MAD Midwest Audio Corp. or Madigan Corp.
 MAE Marine-Air Systems, Ltd.
 MAF MAFCO
 MAG Magnavox Co.
 MAH Martch Co.
 MAI MAICO Hearing Instruments or Mattel, Inc.
 MAJ Majestic Radio-Television Co.
 MAK Mark IV Industries, Ltd.
 MAL Marelli Lenkurt Electric
 MAM M/A COMM MAC
 MAN Manson Laboratories, Inc.
 MAR Mark Products Co.
 MAS Mid American Relay Systems
 MAT Matsushita Electric Corp.
 MAX Maxson Electronics Corp. (Electronics Design)
 MAY Marine Technical Division of Dayton Aircraft
 MBA MB Associates
 MBC Meteor Communications Consultants, Inc.
 MBE Marcel Bassaulet Electronics
 MBI MIL 3, Inc.
 MBK Mobile Mark Antenna
 MBR Malibu Research
 MCA Micro-Avionics
 MCC Microcom Corp.
 MCD McDonnell Aircraft Corp.
 MCE Micro Electronics
 MCF Microflect
 MCH Mitchell Camera Corp.
 MCI Marconi Radio
 MCJ Marconi Electronics
 MCL Microwave Cavity Laboratory

MCM	McMartin Industries, Inc.	MIZ	Mitchell Industries, Inc.
MCO	Micro Communications Co.	MKY	Mackay Radio-Telegraph Co.
MCS	Micronetics	MLA	Malabs
MCT	Micro Control Specialities	MLF	Microlab/FXR, Inc.
MDC	Microdyne Corp.	MLR	R. A. Miller Industries
MDD	McDonnell-Douglas Corp.	MMA	Martin Marietta Air Space
MDH	Madah-Com	MME	Model Engineering and Manufacturing Corp.
MDI	MDM, Inc.	MML	Micromil Electronics, Ltd.
MDM	Microwave Design Manufacturing, Inc.	MMM	Master Mobile Mounts, Inc.
MDS	Metrodata Systems	MMR	Mobile Marine Radio
MDT	MDTT, Inc.	MMS	Matra-Marconi Space
MDY	Microwave Data System	MMT	Millimeter Wave Technology
MEC	Mechanical Product, Inc.	MNC	Montronics, Inc.
MEE	Metric Engineering	MNE	Mnemonics Inc.
MEG	Meggiorian Group	MNI	Microwave Network, Inc.
MEI	Meisei Denki Co.	MNP	Machinostroenie N.P.O.
MEJ	Micro Electronics, Inc.	MNT	Montec (Divn of E-Systems)
MEL	Maryland Electronics Corp.	MOA	Mosely Associates, Inc.
MEM	Munston Electronic Manufacturing Co.	MOB	Mal Mobley
MEN	Mentor Radio Co.	MOC	Model Rectifier Co.
MER	Metron Instrument Co.	MOD	Modar Electronics
MET	Metrotek Electronics Co.	MOE	Monaco Enterprises, Inc.
MFT	Milliflect, Inc.	MOF	Mosely Associates, Inc.
MFX	Morfax, Ltd.	MOL	Mobilet Corp.
MGA	Mega Industries	MON	Monitor Electronics
MGC	Magellan Corp.	MOO	Moog Industrial Control Corp.
MGI	Megapulse, Inc.	MOR	Morad Electronics Corp.
MGN	Magnetic AB (Sweden)	MOS	Mosely Electronics Co.
MGS	Megastar	MOT	Motorola Corp.
MGW	Montgomery Ward	MOX	Mobile Communications
MHR	Minneapolis Honeywell Regulator	MOY	Monsant Co.
MIA	Missawa	MPC	Multi-Products Co.
MIB	Mitsubishi Denki Co. or Mitsubishi Electric	MPD	Microwave Power Devices, Inc.
MIC	Microdot, Inc.	MPH	MPH Industries, Inc.
MID	Microfix Instruments, Ltd.	MPI	Microwave Products, Inc.
MIE	Mitre Corp.	MPN	Multipoint Network
MIF	Micromega, Divn of Bunker-Ramo Corp.	MPR	Melpar, Inc.
MIL	Micro-Linke Corp.	MRA	Miller RA
MIM	Marconi International Marine Co.	MRC	Midwest Radio Corp.
MIN	Midland Intl. Corp.	MRE	Monicor Electronics
MIQ	Miteq Corp.	MRI	Micro Radionics, Inc.
MIR	Mirage System	MRM	Morrow Radio Manufacturing Co.
MIS	Mission Engineering Corp.	MRN	Mariner
MIT	Minatronics Corp.	MRR	Marti
MIV	Microvision	MRS	Micro Systems, Inc.
MIW	Microwave Associates, Inc.	MRT	Marti Electronics
		MRW	Microwave Resources, Inc.
		MRX	Mitrex
		MRZ	Marantz

MSA	Massa Products	NAK	Nankai Musen Co.
MSC	Microwave Service Co.	NAL	NALCO
MSD	Marconi Space and Defense Systems	NAM	Naval Ammo Depot
MSM	M2 Antenna Systems Inc	NAN	Nanayo Electric Co.
MSP	Microwave Speciality Corp.	NAP	Nevada Air Products Co.
MSR	Mid-State Radio	NAR	Narda Microwave Corp.
MSY	Meteric Systems Corp.	NAU	Nautel
MTB	Micro-Now Instruments Co., Inc.	NAV	Naval Avionics
MTC	Micro-Tel Corp.	NAW	Naval Air Warfare Ctr. Weapons Div.
MTG	Mei Technology	NCC	Nutex Communications Corp
MTH	Martech, Inc.	NCF	National Center for Atmospheric Research
MTI	Mobile Telesystem, Inc.	NCR	National Cash Register of Canada
MTL	Maritime Telecommunications Network, Inc.	NDC	Nihon Denki Co.
MTN	Monitron Corp.	NDS	Norand Data Systems, Inc.
MTP	Military Technology PTY, Ltd.	NEA	NEC America, Inc.
MTR	Meteor, Communications Corp.	NEB	NEUTEC
MTS	Mobile Telesystems	NEC	Nemsclarke
MTX	Marintek	NEI	Nielson Electronics Division
MUE	Murphy Electronics Division of Rank Corp.	NEJ	NEC (Japan)
MUI	Multronics, Inc.	NEL	National Electronics Laboratory
MUL	Multi-Elmac Co.	NER	Nera
MUN	Muniquip Co.	NET	Newtronics, Inc.
MUP	Multiplex Services Corp.	NEU	Neulink, Divn of Celltronics
MUS	Multitech Power Systems/Avionics	NEW	Newton Co.
MUT	Multitone Electronics, Ltd.	NEX	Nextel, Inc.
MUX	Munston Electronics Manufacturing Corp.	NGT	National Gateway Telecom, Inc.
MUZ	Munston Manufacturing & Service Inc.	NIC	Northwest Instrument Co.
MVI	M/A-COM Video Systems, Inc.	NIE	Nippon Electronic Company Ltd.
MWA	Microwave Antenna Designs, Inc.	NIM	Nihon Musen Co.
MWB	Microwave Bypass Systems	NIN	Nissan
MWC	Microwave Control Co.	NIO	NICOM
MWD	Microwave Devices, Inc.	NIS	Nissin Electronics, Inc.
MWI	Microwave Power, Inc.	NIT	NITECH, Inc.
MWO	Microwave Radio Corp.	NMT	New Mexico Tech
MWS	Microwave Sensors	NMU	New Mexico State University
MWT	Marconi Wireless Telegraph Co., Ltd.	NOC	Northrop Corp.
MXI	MAXRAD, Inc.	NOD	Norden Division
MXL	Maxwell Electronic Corp.	NOE	Northeastern Engineering Co.
MXN	Maxon Electronics, Inc.	NOI	Nokia
MXP	Max Planck Institute	NOK	Novak Electronics
MXR	Min X Radio	NOR	Northeast Medal Industries
MZE	M Z Enterprises	NOS	Naval Oceans System Center
N		NOT	Naval Ordnance Test Center - China Lake
NAC	National Co.	NOV	Nova-Tech/Avionics or Nova Tech Inc.
NAD	Naval Air Dev. Ctr.	NPC	NAPCO Industries
NAH	North American Philips	NPS	Naval Post Graduate School
		NRA	Northern Radio Co. or Northern

	Electronic Co.	OTX	Omni-Tronix
NRB	NARCO	OUT	Ourercom Electronics Corp.
NRC	National Aeronautic Corp.	OZD	Ozolid Division
NRD	Norand Data System	P	
NRE	Northern Electric Co., Ltd.	PAA	Pan American Airways
NRL	Naval Research Lab	PAC	Piper Aircraft Corp. (Electronics Division)
NRN	China North Industries Corp.	PAD	Pacific Advanced Engineering, Inc.
NSA	Northstar Electronics, Inc.	PAE	Park Aire Electronics
NSI	Nady System, Inc.	PAI	Pacific Aerosystem, Inc.
NSL	Northern Scientific Laboratory	PAK	Packard Bell Electronics Corp.
NSM	News And Sports Microwave	PAL	Palmer, B. Co.
NST	Northstar Technologies	PAN	Panronics Corp.
NTD	New Tronics Division	PAR	Parsons Electronics
NTL	Northern Telecommunications, Inc.	PAS	Park Air Systems
NUC	Nucomm	PAT	Patterson H. J.
NUR	Nurad, Inc.	PAU	Pauldon
NUS	Naval Underwater Systems Center	PAV	PAVCO
NVC	Navcom Defense Electronics	PAZ	Parzen Research, Inc.
NVE	Naval Engineering Center	PBI	Pickard-Burns, Inc.
NWC	Naval Weapons Center	PBR	Pro Brand International
NYT	N.Y. Technical Institute of Cincinnati	PCC	Pace Communications Corp.
O		PCE	Page Communications Engineers, Inc.
OAI	Oklahoma Aerotronics, Inc.	PCL	PC Electronics
OAQ	OAQ Corp.	PCM	Pacific Communications
OAR	Ocean Applied Research Corp.	PCO	Procom Corp.
OCT	Octagon	PCR	Pacific Crest Corp.
ODM	Odom	PCS	Proportional Control Systems
OEC	Osborne Electronics Corp.	PEA	Pearce Simpson, Inc.
OKA	Oklahoma Electronics Co.	PED	Practical Engineering & Development Corp.
OKI	OKI Denki Co. or		
OKI	Electric Industry Company, Ltd.	PEG	Peninsula Engineering Corp.
OLS	Olson Radio Corp.	PEI	Pacific Engineering, Inc.
OME	Omera (France)	PER	Perkin Elmer, Inc.
OMN	Omnitek	PFE	Professional Electronics
OND	Oneida Electronics	PFI	Pfizer, Heinz
OOS	Odom Offshore Survey	PFR	Perfection
OPD	Odetics Precision Time Division	PGE	P.G. Electronics
OPE	Opseis	PHA	Phase IV Systems, Inc.
OPH	Ophir	PHC	Philco Corporation of Canada, Ltd.
OPM	Opto-Mechnik	PHD	Phelps Dodge
OPR	Ophir-RF	PHI	Philco Corp.
OPS	Opos Electronics	PHL	Philips Gloeilampene Abreiken (Neth) or Philips Broadcast Equipment Corp.
OPT	Optic Electronic Corp.		
ORB	Orbit Electronics	PHM	Philmore Manufacturing Co.
ORE	Oremco	PIA	Pinson Associates, Inc.
OSB	Oregon State Board of Forestry	PIC	P-I-C Communications, Inc.
OSC	Orbital Sciences Corp.	PIE	Piezo, Ltd.
OSH	Oregon State Highway Dept.	PIS	Picattiny Arsenal
OSU	Oklahoma State University	PKM	P-COM Inc.
OTR	Outer Communication Co.		

PLC Plectron Corp.
 PLE Plessey Company, Ltd. (UK)
 PLP Phillips Audio Visual Corp.
 PLR Polestar
 PMC Patterson Manufacturing Company, Inc.
 PMH Pacific Microwave Research
 PMR Pacific Missile Range Co.
 PMT Pacific Missile Test Center
 PMW Premier Microwave Corp.
 PNH PNH Electronics Co.
 PNL Pacific Northwest Labs
 POC Port-Com
 POE Pointer Electronics
 POL Polarad Electronics Corp.
 POM Pomije Electronics Co. or Palomar Instrument Co.
 POV Port-O-Vox Corp.
 POX Polytronics Communications or Pro-Line Electronics
 POY Polytronics Laboratories, Inc.
 POZ Pole/Zero Corporation
 PRE Premax Products Division
 PRI Polytronics Research, Inc.
 PRL Polar Research Lab.
 PRN Parsons, Ralph M. Co.
 PRO Podelin, Inc.
 PRS Prisi Antennas
 PRT Pitchard Brown
 PRX Poxim
 PSC Pramax Systems Corp.
 PSI Pblc Systems, Inc.
 PSL Pysical Science Lab
 PST Pwer Systems Technology, Inc.
 PTA Plytechnica
 PTI Ptection Technology, Inc.
 PTL TADS Development Labs, Inc.
 PUL Pulse Engineering, Inc.
 PWI Pacific World Industries
 PYA Pye Corporation of America
 PYC Pye Communications
 PYE Pyle Telecommunications, Ltd. (UK)
Q
 QEI QEI Corp.
 QEL Quest Electronics
 QEN Quadrant Engineering, Inc.
 QSC Quanta System Corp.
 QUA Qualimetrics Corp.
 QUC QALCOMM
 QUE QUE Enterprises, Inc.

QUI Quintron Corp.
 QUT QUALI-TRON
R
 RAA Rad-O-Lite
 RAB RF Sound, Ltd.
 RAC Racal Communications, Ltd.
 RAD Radiation, Inc.
 RAE Racal Electronics, Ltd.
 RAF R&D Assoc. Electronics Navigation Industries, Inc.
 RAG Radian Corp.
 RAI Racal Instruments, Ltd.
 RAJ Ray Jefferson Co.
 RAM Raymarine Inc.
 RAN Rantec Corp.
 RAP Radio Plane Co.
 RAS Radio Shack
 RAT Ratelco, Inc.
 RAU Raulond-Borge Corp.
 RAY Raytheon Co. or Raytheon Manufacturing Co.
 RCA Radio Corporation of America
 RCE Radio Communications Equipment Engineering, Ltd. (Canada)
 RCI Richmond Communications, Inc.
 RCM RC Manufacturing Co.
 RCN Racon, Inc.
 RCP S&O RC Products
 RCV RCA Victor Company, Ltd.
 RDA Radair, Inc.
 RDB Radio Specialists Co.
 RDC Rome Air Development Center
 RDM Radio Marine Corp.
 RDN Raydyne, Inc.
 RDS Radio Specialty Co.
 RDW Radio Waves Inc.
 REA Realtons Electronics, Inc.
 REB Remcon
 REC Reach Electronics Corp.
 RED Redifon, Ltd.
 REE Reaction Instruments, Inc.
 REF Republic Electronics Films, Inc.
 REG Ross Engineering
 REI Regency Electronics, Inc.
 REL Radio Electronics Laboratories
 REM Remler Company, Ltd.
 REN Radio Engineering Laboratories
 REO Remtron
 REP Repco, Inc. or R.G.P. Co.
 RES Resdel Engineering Corp.

RET	Resonant Electronics	RTK	REFTEK
REU	Ridge Electronics Corp.	RTL	Radio Tel, Ltd.
REV	Reeves Instrument Corp.	RTN	Randtron Systems
REX	Rex Bassett, Inc.	RTR	Ritron, Inc.
REZ	Relco	RUS	Rust Corp of America
RFA	RF Solutions	RWC	Rockwell, Collins
RFC	RF Communications Associates, Inc.	RYA	Ryan Aeronautical Co.
RFE	Rafael	RYC	Railway Communication, Inc.
RFH	RF Harris Electronics	RYN	Raytron Ltd.
RFI	Radio Frequency Communications, Inc.	RYU	Ryukyu Tsushinki Kogyo Co.
RFT	R. F. Technology	S	
RGC	Ranger Communications	SAA	Safe Environmental Engineering
RHG	RHG Electronics Laboratories	SAB	SAAB
RHU	Radio Holland Group	SAC	Sabre Communications Corp.
RIA	Reaction Institute, Inc.	SAD	Sandia Corp.
RIE	Rockwell International Electronics	SAF	Safe Link Corp.
RII	Radio Industries, Inc.	SAG	Sage Laboratories
RIT	Ritcon, Inc.	SAI	Springer Aircraft Radio Corp.
RIZ	Rel, Inc.	SAL	Salco Manufacturing Co.
RJG	R. J. Gumm Co.	SAM	Sampson Co.
RLC	Realistic Co.	SAN	Sanders Associates, Inc.
RLN	Redline Communication	SAP	SA Philips Pty., Ltd.
RMC	Relm Communications, Inc.	SAQ	Sexant Anionique
RMI	Racal Decca Marine, Inc.	SAR	Stoddard Aircraft Radio Co.
RML	Research in Motion, Ltd.	SAS	Sigmas Antenna Systems
RMT	Remotec, Inc.	SAT	Sarkes Tarzian, Inc.
RNN	Rannoch Corporation	SAV	Space Avionics, Inc.
RNS	Radionics	SBA	Sideband Associates, Inc.
ROB	Robinson Electronics	SBE	Seaboard Electronics
ROC	Recon Optical, Inc.	SBR	Santa Barbara Research Ctr.
ROD	Rodelco	SBT	Sideband Technology, Inc.
ROE	Robinson Engineering Co.	SCA	Scala Radio Corp.
ROL	Royal Exec	SCC	Secode Corp.
ROM	Radio Specialties Mfg. Co.	SCE	Scottcare
ROS	Rohde Schwarz	SCE	Scottcare
ROT	Rothenbuhler Engineering	SCG	Satcon GMBH
ROW	Rowe Industries	SCH	Schuttig Atlantic
ROX	Roxy Ofuna Electronics	SCI	Scientific Atlanta Co.
ROY	Royal Electronics Corp.	SCM	SCM Melabs, Inc.
RQM	Racon, Inc. Quality Microwave	SCN	Scientific Communications
RRC	Radio Receptor Co.	SCO	Scope, Inc.
RRH	Richard R. Hayes	SCR	Steinbrecher Corporation
RRI	Radio Research Instrument Co.	SCT	Science Applications International Technology, Inc.
RSE	RS Electronics Corp.	SCX	Scintrex, Ltd.
RSI	Radio Systems, Inc.	SCY	Specialized Control Systems
RSL	Resalab, Inc.	SDC	Space Data Corp.
RSM	Radio Specialty Manufacturing	SDI	Safety Devices, Inc.
RSS	RS Systems, Inc.	SDX	Serdex Corp.
RST	Robertson-Shipmate	SEA	Sears Roebuck Co.

SEB Sea Tel, Inc.
 SEC Struthers Electronics Corp.
 SEE San Endiron General
 SEG Solartron Electronics Group, Ltd.
 SEI Seiscor Manufacturing Co.
 SEK Seiki Electronics, Inc.
 SEL Selenia S.P.A. (Italy)
 SEM Seatron, Inc.
 SEN Sennheiser Electronic Corp.
 SEO SEMCO
 SEP Seaphone, Inc.
 SER Servo Corp. of America
 SES Seismograph Service Corp.
 SET Setchell Carlson, Inc.
 SEV Seavey Engineering Corp.
 SEX Sentrax Perimeter Protection System
 SFC Safecom (Radionics)
 SFI Stanford Telecommunications, Inc.
 SGC Sperry Gyroscope Company of
 Canada, Ltd.
 SGE Strong Electronics
 SGK Singer Kearfott Co.
 SGR General Precision Laboratory, Inc.
 SHA Shakespeare
 SHD Shadow Technology
 SHI Shiba Electric Co.
 SHK Shank Communication Co.
 SHP Shart Corp.
 SHU Shure Brothers, Inc.
 SIA Stephens Engineering Associates,
 Inc.
 SIC SRI International
 SID Sierra Digital
 SIE Sierra Electronic Division of Philco
 SIG Signal Communications
 SIH Siemens-Halske
 SIL Spilsbury & Tindall
 SIM Simpson Electronics
 SIN Spectrum Communications, Inc.
 SIP Sippian Ocean Systems
 SIR Sitra
 SIS Sercel Industries Corp.
 SIT SITCO
 SKD Skydata, Inc.
 SKL Spencer Kennedy Laboratories
 SKM Skipper Marine Electronic
 SKN Skanti
 SKV Skyvision
 SKX Skyphone Division
 SKY Skycrafters, Inc.

SLI Scanwell Laboratories, Inc.
 SLL Shell Development Co.
 SLM Spacelabs Medical
 SLR Sinclair Radio Laboratories
 SLT Satellite Transmission Systems, Inc.
 SMC Southern Marine Corporation
 SMD South Midlands Communications,
 Ltd.
 SME Smithroot Electronics
 SMG Symbol Technology, Inc.
 SMI Smiths Industries, Inc.
 SML Space Microwave Lab.
 SMO Sierra Misco
 SMP Simoco Pacific PTY Ltd.
 SMR Southern Marine Research, Inc.
 SMT Samson Technologies Corp.
 SMW Southern California Microwave
 SNC Sierra Nevada Corp.
 SNE Senses International
 SNF Sarnoff David Research Center
 SNI Sea Marine International
 SNK Sonik Technologies, Inc.
 SNL Sentinel
 SNS Senstar Corp.
 SNT Santec
 SOA Southern Avionics
 SOE Sonex, Inc.
 SOI Solid State Technology
 SOL Soladyne International, Inc.
 SON Sonar Radio Corp.
 SOS Space Ordinance Systems
 SOU Sound-Craft Systems, Inc.
 SOV Soviet Manufactured Equipment
 SOY Sony
 SOZ Southcom International, Inc.
 SPA Spar Aerospace, Ltd.
 SPB System Planning Co.
 SPC Space Technical Laboratories
 SPD Sperry Corp.
 SPE Space Electronics
 SPF SPC Technology, Divn. of Remier
 Industries
 SPG Space General
 SPI Specific Products, Inc.
 SPK Spike Technologies, Inc.
 SPL Spectrolab, Inc.
 SPM Spectra Physics Co.
 SPN Sparton Electronics
 SPP Simmonds Precision Products, Inc.
 SPQ Spears Associates

SPR	Sperry Corp. or Servo Corporation of America	STU	Strand Engineering Co.
SPS	Spectra-Physics	STV	ST Research Corp.
SPT	Sparta Electronic Corp.	STW	Stewart Warner Corporation of Canada, Ltd.
SPW	Sperry Piedmont Co.	STX	SI-Tex Marine Electronics, Inc.
SPX	Specifics Co.	STY	Sensor Technology Systems, Inc.
SPY	Sperry Gyroscope Company, Inc.	SUC	Sun Chemical Corp.
SPZ	Sperry Marine Systems	SUM	Summers & Mills
SQA	Square D Co.	SUN	Sunair Electronics, Inc.
SQL	Spacequest LTD	SUR	Sur-Tec, Inc.
SQU	Squires Sanders, Inc.	SUT	Sutron Co.
SRA	Smythe Research Associates	SVI	Savi-Technology, Inc.
SRC	Sierra Research Corp.	SVR	Svenska Radio
SRD	Standard Radio and Telefon ABITT	SWA	Swan Electronic Corp.
SRE	Sprengnether Equipment Co.	SWI	Swintek Cordless Microphone Co.
SRI	Skyway Radio, Inc.	SWM	Southwest Microwave Co., Inc.
SRL	Scott EH Radio Laboratories, Inc.	SWN	Southwestern
SRM	Sierra Monolithics, Inc.	SWR	Southwest Research Institute
SRR	Sperry Flight Systems	SWS	Swiss Phone
SRS	Scientific Radio Systems, Inc.	SYA	Syracuse Research Corp.
SRT	SR Telecom, Inc.	SYC	Syscon Corporation
SRU	SATEL Radio USA	SYD	Systems Dynamics
SRV	Serv-Air, Inc.	SYE	Systems Engineering & Management Corporation
SSC	States Steamship Co.	SYL	Sylvania Electronics Defense Laboratory or Sylvania Electronics Products
SSF	Shared Spectrum Company	SYM	Symetrics Engineering Corp.
SSG	Samsung Electronics, Ltd.	SYN	Synergetics
SSI	Surface System, Inc.	SYR	Systems Research Laboratories, Inc.
SSN	Sensis Corp.	SYS	Systron Donner Corp (Demornay Bonardi)
SSR	Sensor Systems	SYX	Syndetix
SSY	Stellar System	T	
STA	Standard Electronics	TAC	Technical Appliance Corp.
STB	Standard Communications	TAD	TAD-American Corp.
STC	Standard Telephones-Cables, Ltd.	TAE	Tait Electronics, Ltd.
STD	Standard Elektrik Lorenz	TAI	Taiyo Musen Co.
STE	Stephenson	TAM	Tamer Electronics, Inc.
STF	Stanley Electronics Co.	TAN	Technical Associates of New Orleans
STG	Stoner-Goral Communications Co.	TAO	Taco, Inc.
STH	Sintra-Thomson	TAP	Technology Applications
STI	Stailles, Inc. or Star Lifeline, Ltd.	TAS	Tasker or Tasker Industries
STJ	Sanford Telecommunications Institute, Inc.	TAT	Thrane & Thrane
STK	Scott Technology Inc.	TAY	Taylor Electrical Instrument, Ltd.
STL	Sterling Precision Corp.	TBL	Trimble Navigation
STM	ST Microwave	TBN	Tayburn
STN	Stoner Electronics	TCC	Telcom Communications
STO	Storno Radio Co.	TCD	Techdyn Systems Corp.
STP	Serve-Tek Products, Inc.		
STQ	Stanford Research Institute		
STR	Stromberg Carlson Products Co.		
STS	Standard Electrica S.A.		

TCE Telecommunications Corp.
 TCH Techcomm
 TCI Tel Com Industries
 TCL Trio Communications, Ltd.
 TCM TCOM Industries, Inc.
 TCN Technos International Corp.
 TCO Temco Aerosystems
 TCP Tecom
 TCQ Techttest LMT
 TCT Transcidtronic
 TDA Tridea Electric Corp.
 TDC Teledyne T/M Co.
 TDE Teledyne Ryan Electronics
 TDI TeleDesign
 TDL Tidelands
 TDS TDS Electronics Company, Ltd.
 TDT Teludisc, Inc.
 TDY Tele-Dynamics
 TEA Tek-Aid, Inc.
 TEB Telco
 TEC Telviso Electronics
 TED Teldex
 TEE Teaberry Electronics Corp.
 TEG Telautograph Corp.
 TEH Telechrome
 TEI Texas Instrument, Inc.
 TEJ Telephone Engineering Corp.
 TEK Te-Ka-De Co.
 TEL Telrex Laboratories
 TEM Telemet Co.
 TEN Teletronix Engineering Co.
 TEO Telemotive
 TEP Tepco Corp.
 TEQ Tenna Corp.
 TER Terra-Com
 TES Technisonic Industries
 TEX Textran Division
 TFC Technology for Communications,
 International
 TFD Telludift
 TFT Time & Frequency Tech., Inc.
 THA Thales ATM
 THC Thomson CSF
 THE Thorn EMI Electronics, Inc.
 THI Thiokol Chemical Corp.
 THL Technical Electronics Co.
 THN Thorn Microwave Devices
 THO Thomas Mold-Die Co.
 THY Technology Service Corp.
 TIA Television Technology Corp.

TIE Tel Instrument Electronics
 TII Teledyne Industries, Inc.
 TIL Transcript International
 TIM Time Domain Corporation
 TIN Telinstrument Co.
 TIS Tadiran Israel Industries, Ltd.
 TIV Trivec-Avent
 TKA Tokai Communication Corp.
 TKC Trio-Kenwood Communications
 TKK Tekk, Inc.
 TKL Teklogix, Inc.
 TKM TEK Mark Company
 TKS Tokyo Keiki Co.
 TLA Telonica Corp.
 TLC TRT Groupe
 TLE Telemus Electronics Systems, Inc.
 TLF Telefunken Gmbh.
 TLI Teletronics International Inc
 TLK Telkoo
 TLM Telemobile, Inc.
 TLP Telephonic Corp.
 TLR Telline Radio
 TLS Tele-Signal Corp.
 TLW Telewave, Inc.
 TLX Telex Co.
 TMA Tampa Microwave Lab Corporation
 TMC Technical Materiel Corp.
 TMD TMC Systems & Power Corp. or
 Telemotive Division of Dynascan
 TME Temec Corp.
 TML TMC, Ltd.
 TMP TOMOCO Electronics PTY, Ltd.
 TMR Terma Elektronik
 TNC Technocom
 TNG Trango Systems Inc.
 TNS Telonics
 TOA Townsend Associates
 TOE TOMCO Electronics PTY, Ltd.
 TOH Thomson-Houston (France)
 TOK Tokyo Shibaura Electronics Co.
 TOM Tomcor
 TOP Topp Manufacturing Co.
 TOS Toshiba Co.
 TOY Toyocon
 TPI TEK Products, Inc.
 TPL Technology Proprietary, Ltd.
 TRA Transco Products, Inc.
 TRB Trans World Communications, Inc.
 TRC Technical Radio Corp.
 TRD Traid Corp.

TRE	Transmitter Equipment Manufacturing Co.	UNC	United States Navguide Corp.
TRF	TRF Company	UNI	Univac Corp.
TRI	Tracor, Inc.	UNM	Unimetrics, Inc.
TRL	Trilectric Co.	UNN	Unicom
TRM	Tram/Diamond Corp.	UNS	Unisys Corp.
TRN	Tran-Com	UNT	United Telecontrol
TRO	Telurometer Corp.	USE	Use Corporation
TRP	Tri-Com, Inc.	USL	United Scientific Laboratory
TRQ	Transformation Techniques, Inc.	USM	U.S. Metal Products Co.
TRR	Transworld	USN	Universal Space Network Inc.
TRS	Tran-Crypt	UTC	Utilicom, Inc.
TRT	Trans Texas	UTE	Unitec
TRU	Truetime	UTI	Utica Communications
TRV	Jefferson Travis	UTL	UTL Corp.
TRW	TRW Electronics	V	
TRY	Trylon, Inc.	VAI	Vaisala
TRZ	Travelers Information Services, Inc.	VAL	Valcom, Ltd.
TSA	Technical Systems Associates	VAN	Van Norman Industries, Inc.
TSB	Transcience	VAR	Varian Associates
TSC	Teledyne Systems Co.	VAT	Viatec
TSD	Technical Systems Division	VDC	Video Consultants
TSE	Technical Science	VEC	Vector Manufacture Co.
TSI	Tactical Systems, Inc.	VEG	Vega Electronics Corp.
TSS	Telesystems, Inc.	VEN	Ventron Electronics Corp.
TSY	Telemetry Systems, Inc.	VEP	Visual Electronics Corp.
TTC	Titian Corp.TTI	VER	Versa-Count
TTK	Tron-Tek, Inc.	VEX	Vertex Communications Corp.
TTN	Titan Severe Environment Systems	VFR	Valley Forge Research Center
TTQ	Transformation Techniques, Inc.	VHF	VHF Engineering Co.
TTS	Telescience Transmission System, Inc.	VIA	Victoreen Instrument Co.
TTT	Tactical Technology, Inc.	VIC	Victor RF-Microwave Co.
TTX	Teltrol Corp.	VID	Vidor Scientific, Inc.
TUL	Tull Aviation Corp.	VIF	Verifone, Inc.
TUR	Turner Aircraft Radio, Inc.	VIL	Vitel
TXA	Textron Defense Systems	VIN	Vicon Industries, Inc.
TXC	Telxon Corporation	VIS	Visual Manufacturing Division
TXS	Texscan Instruments	VIT	Vitro Electronics
TYC	Tycho-Tech	VIX	Vista Manufacturing Co.
U		VIZ	VIZ Corp.
UAF	USN Avionics Facility	VMI	Video Methods, Inc.
UDE	University of Denver	VNG	Vanguard Med Products Co.
UDN	Uniden	VOC	Vocaline Company of America
UEC	U.S. Army Electronics Command	VOU	Vought Corp.
UED	United Electro Dynamics, Inc.	VRD	Varda Company
UFI	Uniten/Force, Inc.	VRO	Varo, Inc.
UIL	University of Illinois	VSC	Ventana Sciences, Inc.
UMI	University of Miami	VSI	Viable Systems, Inc.
UNA	Universal Navigation Corporation	VST	Viasat Technologies Co.
		VTC	Vectran Corp.
		VUA	Vector Division of United Aircraft

VYT Vytex, Inc.
W
WAA Washington Aluminum Co.
WAB Westinghouse Air Brake Co.
WAD Waddell Dynamics
WAE Waveband Electronics
WAG Waveguide
WAL Walco Electronic Co.
WAS Washington State Patrol
WAT Washington Technological Assn.,
Inc
WAV Wavetek
WBA West Bend Autotronics, Inc.
WBI Wyoming Biotelemetry, Inc.
WBL Weibel Scientific, Inc.
WBS Wide Band Systems Inc.
WCI Webcor, Inc.
WDC Westin Data Comms
WEB Webster Manufacturing Co.
WEC Western Electric Company, Inc.
WED Winston Electronics Division
WEI Ward Electronic Industries
WEL Well Sentry, Inc.
WEM Wems, Inc.
WES Westinghouse Electric Co.
WET Weight-Tronics
WEU Western Union Telegraph Co. or
Western Union
WGC Webster Green Co.
WGT Wandel and Golterman
WHD Windermere HDS
WHE Whelen
WHI White J.L. Co.
WHM Whistler Marine, Inc.
WHT Whittaker Corp.
WIC Wicks Industries
WIG Wilcox Gay Corp.
WIH Wightman Electronics, Inc.
WIK Wilkinson Electronics, Inc.
WIL Wilcox Electric Corp.
WIN Wind Data
WIT Winnet, Inc.
WJO Watkins Johnson Co.
WLC Wilson Electronic Corp.
WMC Weather Measure Corp.
WMI Wescom Microwave, Inc.
WMN Wildlife Materials, Inc.
WMX Western Multiplex Corporation
WOD Wood and Douglas
WOE World Engines

WOL World Radio, Ltd.
WOO Wood-IVY Systems, Inc.
WOR Workshop Associates
WRC Western Radio Communications
Corp.
WRL World Radio Laboratories
WSD W.S. Deans Co.
WSI Wireless Sound, Inc.
WSM Western Space and Marine
WST Westrex Corp. (Division Litton
Systems)
WTB West Bend
WTC Wind Turbine Co.
WTI Wireless Technology, Inc.
WUL Wulfsberg Electronics
WVT Wavetronics, Inc.
WYM Wyman Research, Inc.
X
XCM Xicom Technology
XON Xontech, Inc.
XRX Xerox Corp., Electro Optical
Systems
XTR Xetron Corp.
Y
YDI Yarnell Data, Inc.
YEA Yaesu
Z
ZEL Zellweger Telecommunications
ZEN Zenith Radio Corp.
ZEP Zephyrus
ZET Zeta Laboratories