

ANNEX G

Abbreviations

G.1 AGENCY, BUREAU, AND OTHER ORGANIZATIONAL ABBREVIATIONS

This section 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	AR
	Corps of Engineers	CE
	Military District of Washington	DW
	Army Spectrum (Fort Meade)	FM
	AFC, State of Arizona	HU
	U.S. Army (State of Hawaii)	HW
	Satellite/Communications	SAT
	U.S. Army Pacific (does not include 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
	Oceanic and Atmospheric Research	OAR
	International Trade Administration	ITA

Agency	Bureau	Abbreviation
	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
	Office of Marine and Aviation Operations	OMAO
	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
Court Services and Offender Supervision		CSOS
Education, Department of		ED
	COOP/COG Activities	COOP
	Office of the Inspector General	OIG
	Office of Protective Services	OPS
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	CH

Agency	Bureau	Abbreviation
	Argonne National Lab, East Argonne National Lab, West Brookhaven Group 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	HQ

Agency	Bureau	Abbreviation
	Office of Independent Oversight and Performance 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) Piketon Area Office	OR

Agency	Bureau	Abbreviation
	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
Equal Employment Opportunity Commission		EEOC
Environmental Protection Agency		EPA
	Office of the Administrator/Deputy Administrator	AO
	Office of Administration and Resource Management	OARM

Agency	Bureau	Abbreviation
	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 Housing Finance Agency		FHFA
	Office of Inspector General	OIG
Federal Reserve System		FRS
Federal Trade Commission		FTC
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
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
	Centers for Medicare and Medicaid	CMS
	Food and Drug Administration	FDA
	Health Care Financing Administration	HCFA
	Health Resources and Services Administration	HRSA
	Indian Health Services	IHS

Agency	Bureau	Abbreviation
	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
	Federal Protective Service	FPS
	Information Analysis and Infrastructure Protection Directorate	IAIP
	Integrated Wireless Network	IWN
	Office of Emergency Communications	OEC
	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
	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	

Agency	Bureau	Abbreviation
	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
	GUM, HI, ID, MDW, 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
	CA, NV	S8
	Not elsewhere classified	S9
	Trust Territory of the Pacific Islands, Government of the (including Government of the Northern Marianas)	T
International Trade Commission		ITC
International Boundary and Water Commission, U.S. and Mexico (U.S. Section)		IBWC
Justice, Department of		J
	Alcohol, Tobacco, Firearms and Explosives	A
	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	JW

Agency	Bureau	Abbreviation
	Department)	
	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
	Glenn Research Center	GRC
	Goddard Space Flight Center	GSFC
	NASA Headquarters	HQS
	Jet Propulsion Laboratory	JPL
	Johnson Space Center	JSC
	Kennedy Space Center	KSC
	Langley Research Center	LARC
	Marshall Space Flight Center	MSFC
	Stennis Space Center	SSC
	Wallops Flight Facility	WFF
	White Sands Test Facility	WSTF
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
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
	Federal Motor Carrier Safety Administration	FMC
	Federal Railroad Administration	R
	Federal Transit Administration	FTA
	Maritime Administration	MAR
	National Highway Traffic Safety Administration	T
	National Transportation Safety Board	NB
	Office of the Secretary	OS
	Pipeline and Hazardous Material Safety Administration	PHMS
	Railroad Technology Test Center	RATC
	Research and Innovative Technology Administration	RITA
	Research and Special Programs Administration	RSPA
St. Lawrence Seaway Development Corporation	SL	
Treasury, Department of the		T
	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
	Troubled Asset Relief Program	TARP
	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
	VA Central Office	VACO
	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	NG
NON-GOVERNMENT RECORDS (70/80/90 GHz)	NGR
REPUBLIC OF PALAU	RP
REPUBLIC OF THE MARSHALL ISLANDS	RMI

G.2 GEOGRAPHICAL ABBREVIATIONS

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

G.2.1 United States (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 United States Territories and Possessions

Caribbean Area

-	Navassa Island
PR	Commonwealth of 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) Commonwealth of Northern Mariana Islands (Formerly Ladrone 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	American Samoa (Aunuu, Manua Group [or Islands, i.e., Ofu, Olosega, Tau], Rose Island, Swains Island, Tutuila)
WAK	Wake Island

G.2.3 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, Cambodia, Indonesia, Laos, Malaysia, Myanmar, 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 Section 9.8.2, paragraph 21.b

G.2.4 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)
BAH	Bahamas (Commonwealth of the)
BDI	Burundi (Republic of)
BEL	Belgium
BEN	Benin (Republic of)
BER	Bermuda
BFA	Burkina Faso
BGD	Bangladesh (People's Republic of)
BGR	Bulgaria
BHR	Bahrain (State of)
BIH	Bosnia & Herzegovina (Republic of)
BIO	British Indian Ocean Territory
BLR	Belarus (Republic of)
BLZ	Belize

BOL	Bolivia (Republic of)		
BOT	Botswana (Republic of)	G	United Kingdom of Great Britain and Northern Ireland
BRB	Barbados		
BRU	Brunei Darussalam	GAB	Gabonese Republic
BTN	Bhutan (Kingdom of)	GCA	Territories of the United Kingdom in Region 1
CAF	Central African Republic	GCC	Territories of the United Kingdom in Region 3
CAN	Canada		
CAR	Caroline Islands	GDL	Guadeloupe (French Department of)
CBG	Cambodia (Kingdom of)	GEO	Georgia (Republic of)
CHL	Chile (except Easter Island)	GHA	Ghana
CHN	China (People's Republic of)	GIB	Gibraltar
CHR	Christmas Island (Indian Ocean)	GMB	Gambia (Republic of the)
CKH	Cook Islands	GNB	Guinea-Bissau (Republic of)
CLM	Colombia (Republic of)	GNE	Equatorial Guinea (Republic of)
CLN	Sri Lanka (Democratic Socialist Republic of)	GRC	Greece
CME	Cameroon (Republic of)	GRD	Grenada
CNR	Canary Islands	GRL	Greenland
COD	Democratic Republic of the Congo	GTM	Guatemala (Republic of)
COG	Congo (Republic of the)	GUF	Guiana (French Department of)
COM	Comoros (Islamic Federal Republic of the)	GUI	Guinea (Republic of)
CPV	Cape Verde (Republic of)	GUM	Guam
CRO	Crozet Archipelago	GUY	Guyana
CTI	Cote d'Ivoire (Republic of)		
CTR	Costa Rica	HKG	Hong Kong
CUB	Cuba	HND	Honduras (Republic of)
CVA	Vatican City State	HNG	Hungary (Republic of)
CYM	Cayman Islands	HRV	Croatia (Republic of)
CYP	Cyprus (Republic of)	HTI	Haiti (Republic of)
CZE	Czech Republic	HWA	Hawaii (not for use in GMF; for ITU use only)
D	Germany (Federal Republic of)	I	Italy
DGA	Diego Garcia	ICO	Cocos Keeling Islands
DJI	Djibouti (Republic of)	IND	India (Republic of)
DMA	Dominica (Commonwealth of)	INS	Indonesia (Republic of)
DNK	Denmark	IRL	Ireland
DOM	Dominican Republic	IRN	Iran (Islamic Republic of)
		IRQ	Iraq (Republic of)
E	Spain	ISL	Iceland
EGY	Egypt (Arab Republic of)	ISR	Israel (State of)
EQA	Ecuador		
ERI	Eritrea	J	Japan (includes Iwo Jima, Marcus Island, Ryu Kyu Islands)
EST	Estonia (Republic of)		
ETH	Ethiopia	JMC	Jamaica
		JON	Johnston Island
F	France	JOR	Jordan (Hashemite Kingdom of)
FJI	Fiji (Republic of)		
FLK	Falkland Islands (Malvinas)	KAZ	Kazakhstan (Republic of)
FIN	Finland	KEN	Kenya (Republic of)
FRO	Faroe Islands	KER	Kerguelen Islands
FSM	Micronesia (Federated States of) (Kapingamarangi, Kosrae, Lamotrek, Namonuito, Nukuoro, Oroluk, Pohnpei, Truk, Ulithi, Woleai, Yap)	KGZ	Kyrgyz Republic
		KIR	Kiribati (Republic of)
		KNA	Saint Kitts and Nevis (Federation of)
		KOR	Korea (Republic of)

KRE	Democratic People's Republic of Korea	NPL	Nepal
KWT	Kuwait (State of)	NRU	Nauru (Republic of)
		NZL	New Zealand
LAO	Lao People's Democratic Republic		
LBN	Lebanon	OCE	French Polynesia
LBR	Liberia (Republic of)	OMA	Oman (Sultanate of)
LBY	Libya (Socialist People's Libyan Arab Jamahiriya)	PAK	Pakistan (Islamic Republic of)
LCA	Saint Lucia	PAQ	Easter Island (Chile)
LIE	Liechtenstein (Principality of)	PHL	Philippines (Republic of the)
LSO	Lesotho (Kingdom of)	PHX	Phoenix Islands
LTU	Lithuania (Republic of)	PLM	Palmyra Island (some 50 islands make up the Atoll of Palmyra)
LUX	Luxembourg	PLW	Palau (Republic of)
LVA	Latvia (Republic of)	PNG	Papua New Guinea
MAC	Macao	PNR	Panama (Republic of)
MAU	Mauritius (Republic of)	POL	Poland (Republic of)
MCO	Monaco (Principality of)	POR	Portugal
MDA	Moldova (Republic of)	PRG	Paraguay (Republic of)
MDG	Madagascar (Democratic Republic of)	PRU	Peru
MDR	Madeira	PTC	Pitcairn Island
MDW	Midway Islands	PTR	Puerto Rico (including Culebra, Mona, and Vieques) (not for use in GMF; for ITU use only)
MEX	Mexico		
MHL	Marshall Islands (Republic of the) (Ailinglapalap, Arno, Ebeye, Enewetak, Jaluit, Kwajalein, Majuro, Mili, Roi- Namur, Rongelap)	QAT	Qatar (State of)
MKD	Macedonia (Republic of) (The Former Yugoslav Republic of Macedonia)	REU	Reunion (French Department of)
MLA	Malaysia	ROD	Rodriguez
MLD	Maldives (Republic of)	ROU	Romania
MLI	Mali (Republic of)	RUS	Russian Federation
MLT	Malta	RRW	Rwandese Republic
MMR	Myanmar		
MNE	Montenegro	S	Sweden
MNG	Mongolian People's Republic	SCN	Saint Christopher and Nevis
MOZ	Mozambique (Republic of)	SDN	Sudan (Republic of the)
MRA	Mariana Islands (except Guam)	SEN	Senegal (Republic of)
MRC	Morocco (Kingdom of)	SEY	Seychelles (Republic of)
MRN	Marion Island	SHN	Saint Helena
MRT	Martinique (French Department of)	SLM	Solomon Islands
MSR	Montserrat	SLV	El Salvador (Republic of)
MTN	Mauritania (Islamic Republic of)	SMA	American Samoa
MWI	Malawi	SMO	Western Samoa (Independent State of)
MYT	Mayotte Island	SMR	San Marino (Republic of)
		SNG	Singapore (Republic of)
NCG	Nicaragua	SOM	Somali Democratic Republic
NCL	New Caledonia	SPM	Saint Pierre and Miquelon (French Department of)
NFK	Norfolk Island	SRB	Serbia
NGR	Niger (Republic of the)	STP	Sao Tome and Principe (Democratic Republic of)
NIG	Nigeria (Federal Republic of)		
NIU	Niue Island	SUI	Switzerland (Confederation of)
NLD	Netherlands (Kingdom of)	SUR	Suriname (Republic of)
NMB	Namibia (Republic of)	SVK	Slovak Republic
NOR	Norway	SVN	Slovenia (Republic of)

SWN	Swan Islands	URG	Uruguay (Eastern Republic of)
SWZ	Swaziland (Kingdom of)	USA	The 48 contiguous States of the United States of America and the District of Columbia (excludes the States of Alaska and Hawaii)
SYR	Syrian Arab Republic	UZB	Uzbekistan (Republic of)
TCA	Turks and Caicos Islands	VCT	St. Vincent and the Grenadines
TCD	Chad (Republic of)	VEN	Venezuela (Republic of)
TGO	Togolese Republic	VIR	United States Virgin Islands (St. Croix, St. John, St. Thomas) (not for use in GMF; for ITU use only)
THA	Thailand	VRG	British Virgin Islands
TKL	Tokelau Islands	VTN	Viet Nam (Socialist Republic of)
TJK	Tajikistan (Republic of)	VUT	Vanuatu (Republic of)
TKM	Turkmenistan	WAK	Wake Island
TLS	Timor-Leste (Democratic Republic of)	WAL	Wallis and Futuna Islands
TON	Tonga (Kingdom of)	YEM	Yemen (Republic of)
TRC	Tristan da Cunha	ZMB	Zambia (Republic of)
TRD	Trinidad and Tobago	ZWE	Zimbabwe (Republic of)
TUN	Tunisia		
TUR	Turkey		
TUV	Tuvalu		
TZA	Tanzania (United Republic of)		
UAE	United Arab Emirates		
UGA	Uganda (Republic of)		
UKR	Ukraine		

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

This section 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.)

G.3.1 Corps of Engineers Divisions and Districts (no description-see Figure 1)

G.3.2 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.

G.3.3 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 42N and West of 74-39W; that part of New Jersey north of 39-57N, east of 74-27W and northeast of a line from 39-57N 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 39-57N, west of 74-27W and south of a line extending northwesterly from 39-57N, 74-27W 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.

G.3.4 Navy-Marine Corps MARS Regions (see Figure 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.

G.3.5 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).

G.3.6 Army Frequency Coordination Areas (see Figure 6)

AFMO CONUS - Alabama, Arkansas, California, 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, DC)-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.

G.3.7 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.

G.3.8 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.

G.3.9 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.

G.3.10 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.

G.3.11 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.

G.3.12 USAF MARS Regions (see Figure 12)

Area	Regions
Northeast	I, II, III
Southeast	IV
North Central	V, VII
South Central	VI
Northeast	VIII, X
Southwest	IX

Region	States
I or 1	CT, MA, ME, NH, RI, VT
II or 2	NJ, NY
III or 3	DE, MD (including DC) PA, VA, WV
IV or 4	AL, FL (including PR, VI), GA, KY, MS, NC, TN, SC
V or 5	IL, IN, MI, MN, OH, WI
VI or 6	AR, LA, NM, OK, TX
VII or 7	IA, KS, MO, NE
VIII or 8	CO, MT, ND, SD, WY, UT
IX or 9	AZ, CA, NV, HI, GUM and Pacific Islands
X or 10	AK, ID, OR, WA

G.3.13 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.

G.3.14 VA Health Administration Integrated Service Network by (VISN) by Boundaries (see Figure 13)

- 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

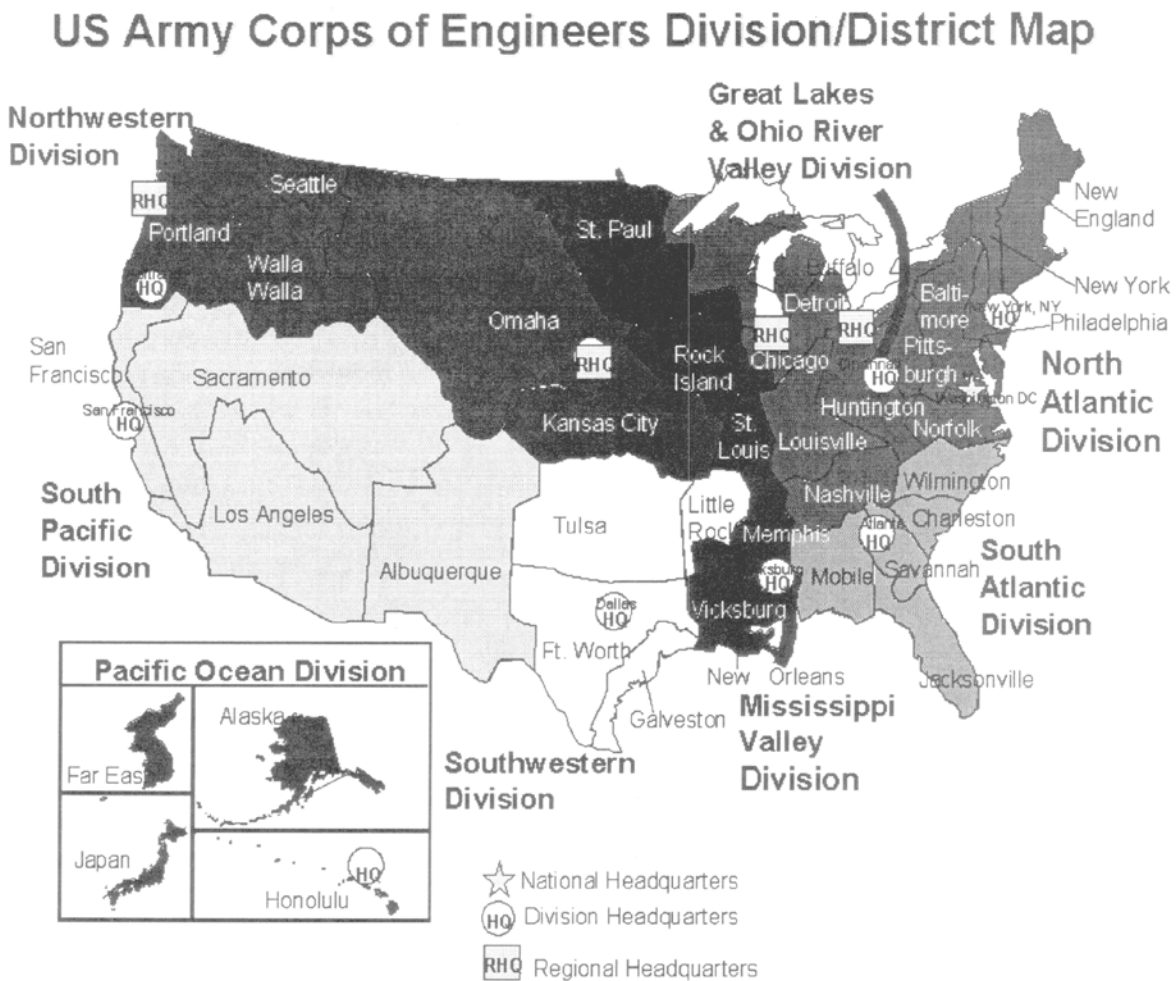


Figure 2: Tennessee Valley Authority

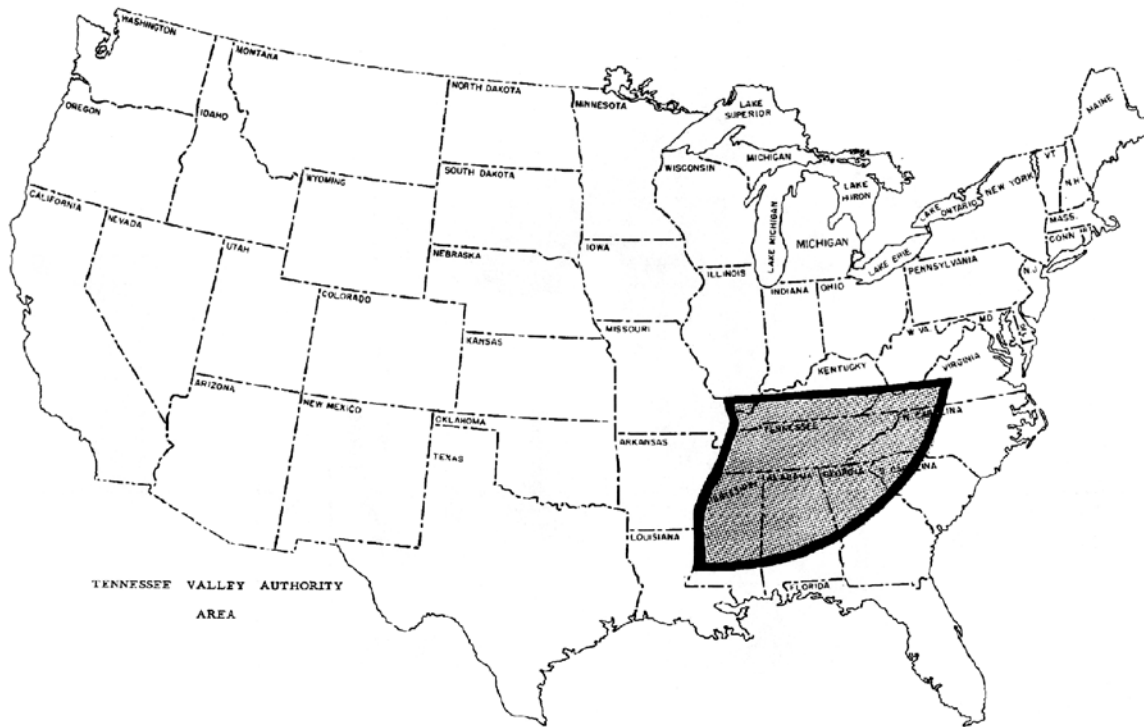


Figure 3: Coast Guard Districts

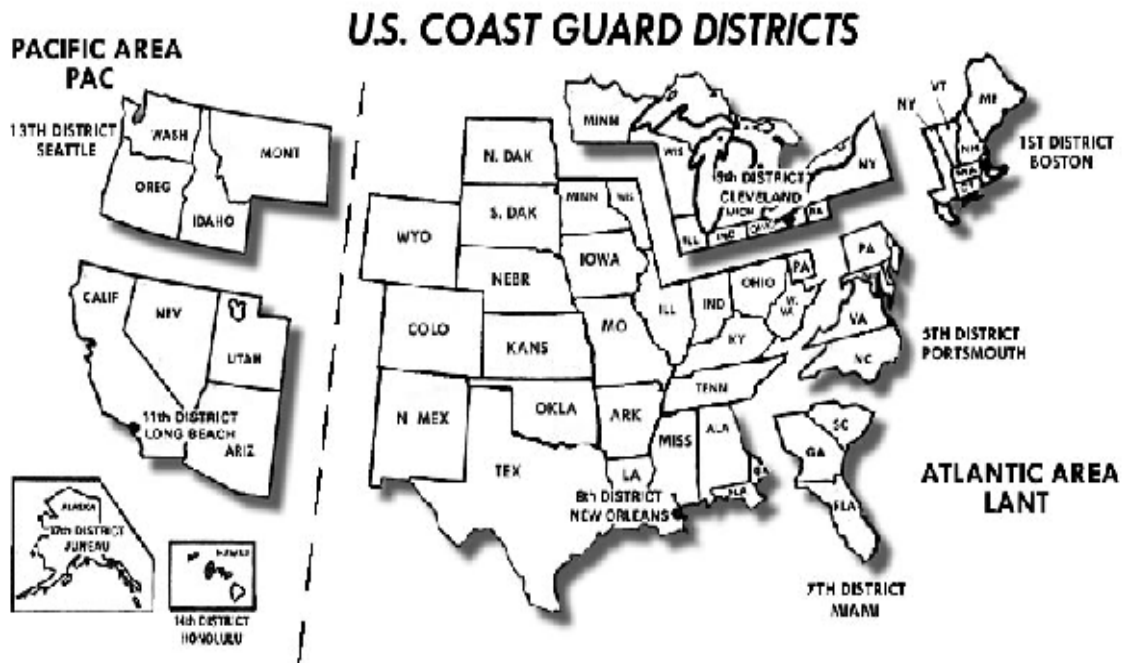


Figure 4: Navy-Marine Corps MARS Regions

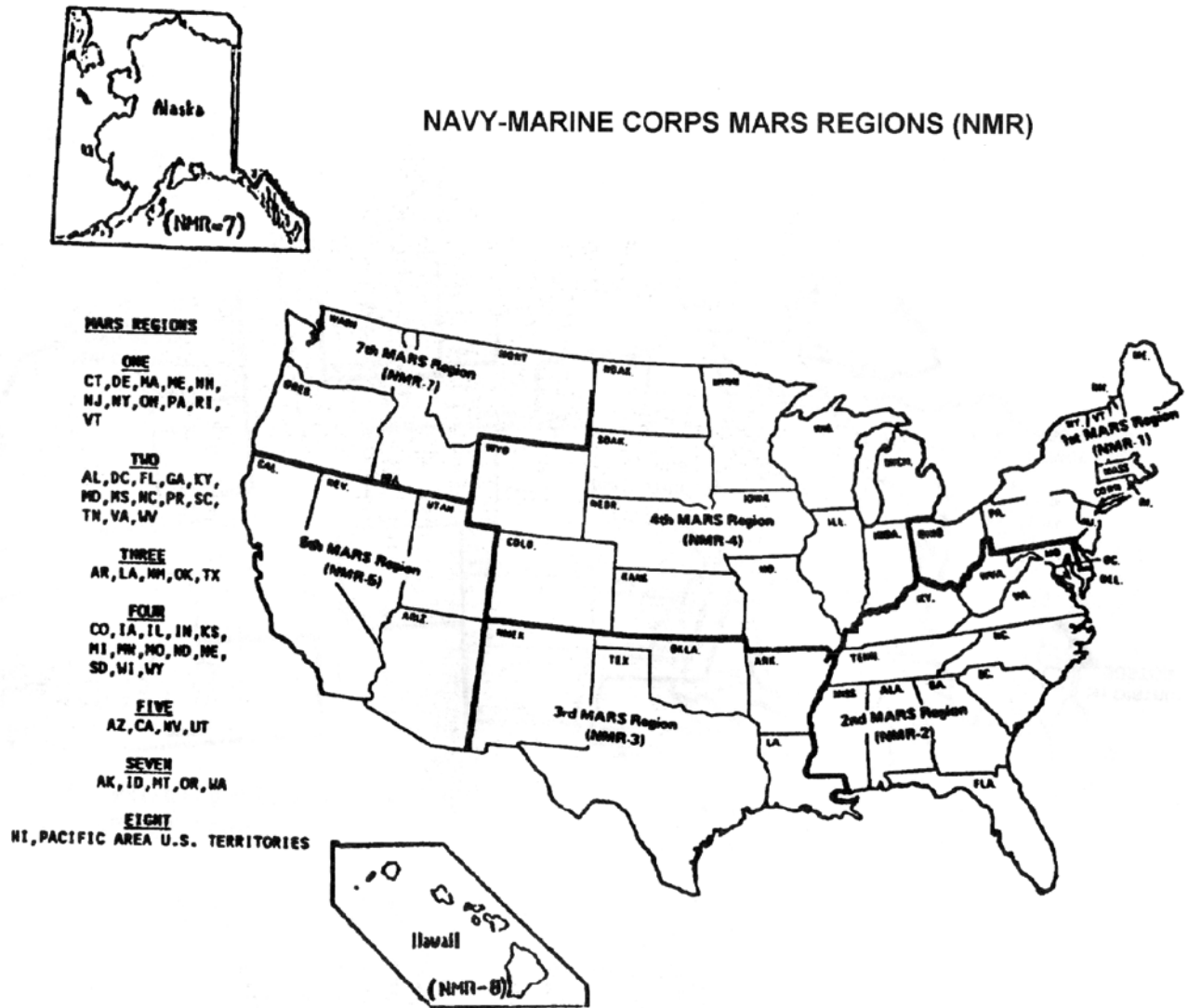


Figure 5: Army Area Coordinators

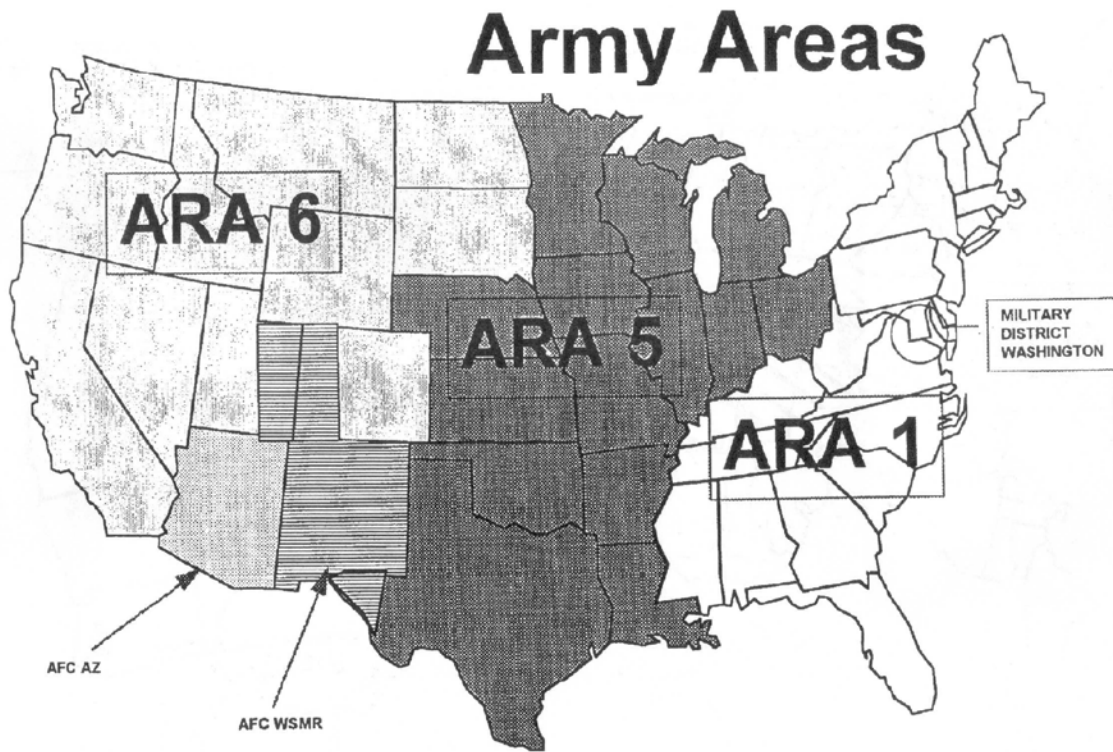


Figure 6: Army Area Frequency Coordinators

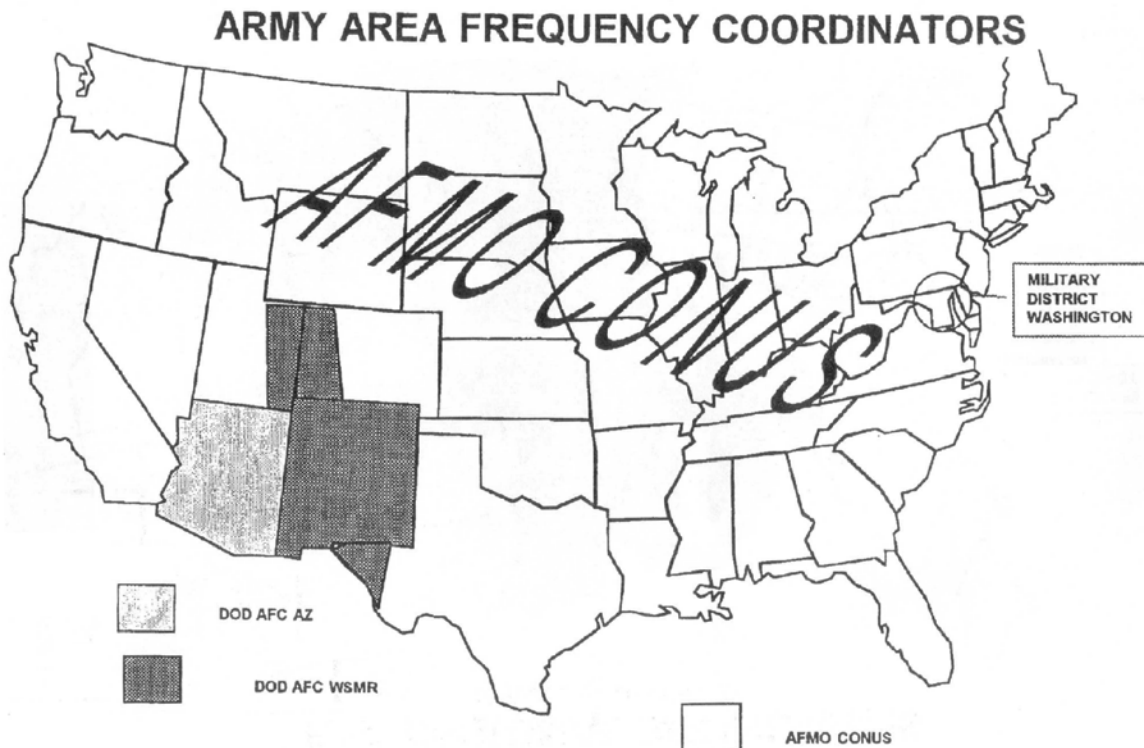


Figure 7: FAA Regions

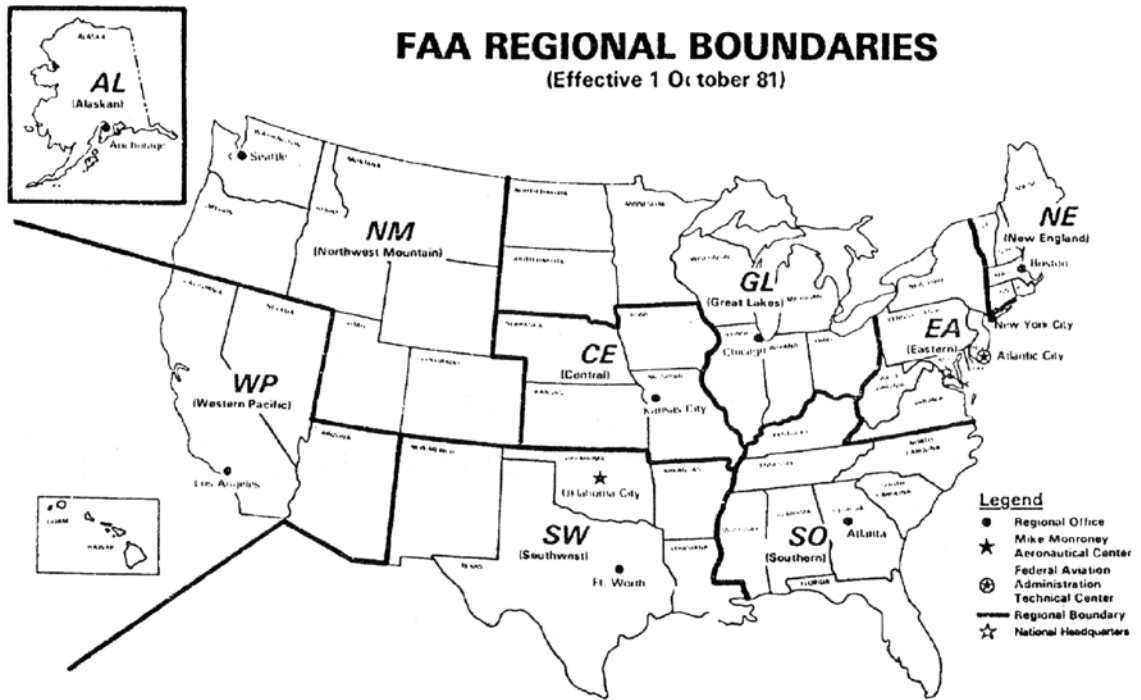


Figure 8: NRC Regions

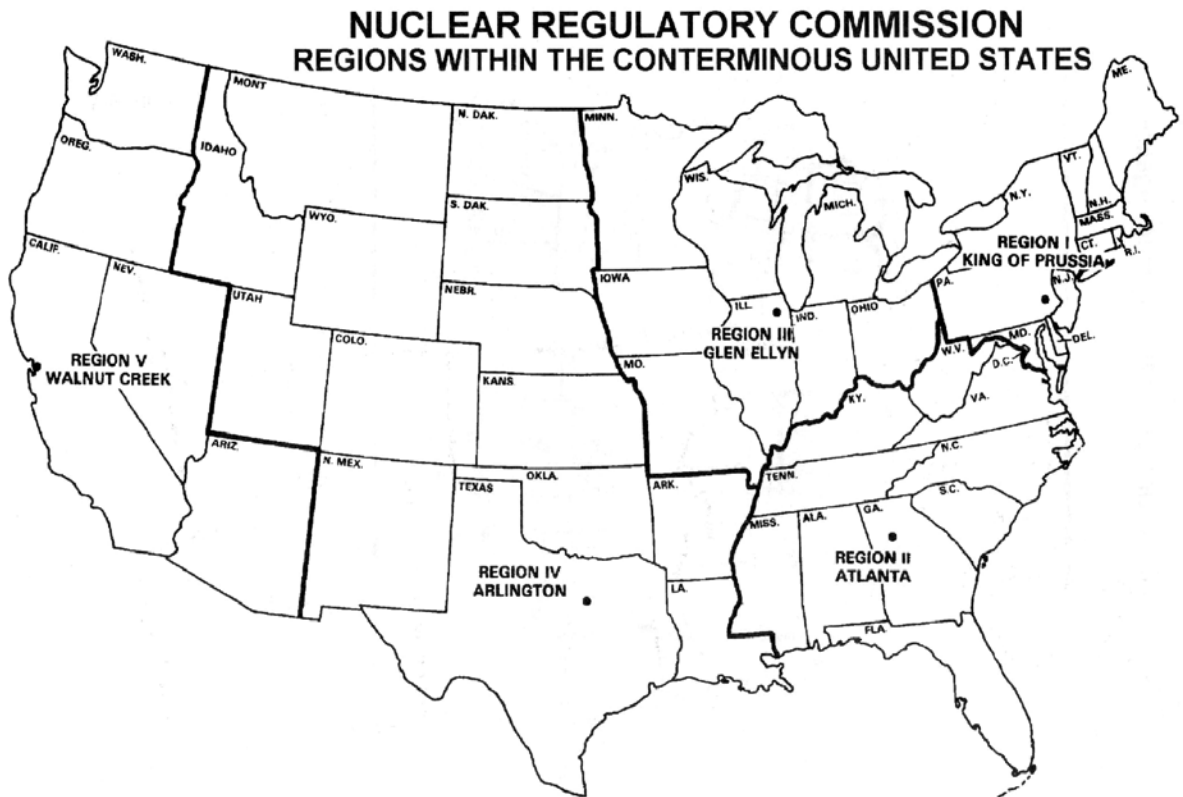


Figure 9: FEMA Regions



Figure 10: EPA Regions

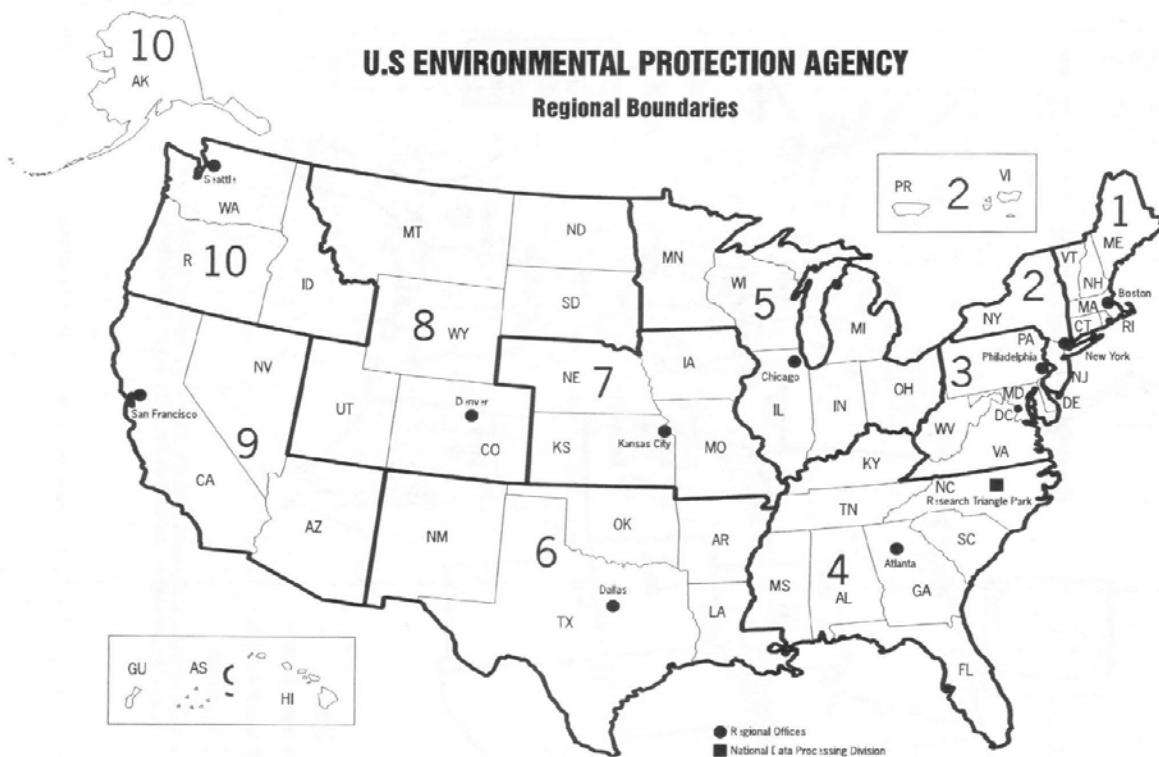


Figure 11: GSA Regions

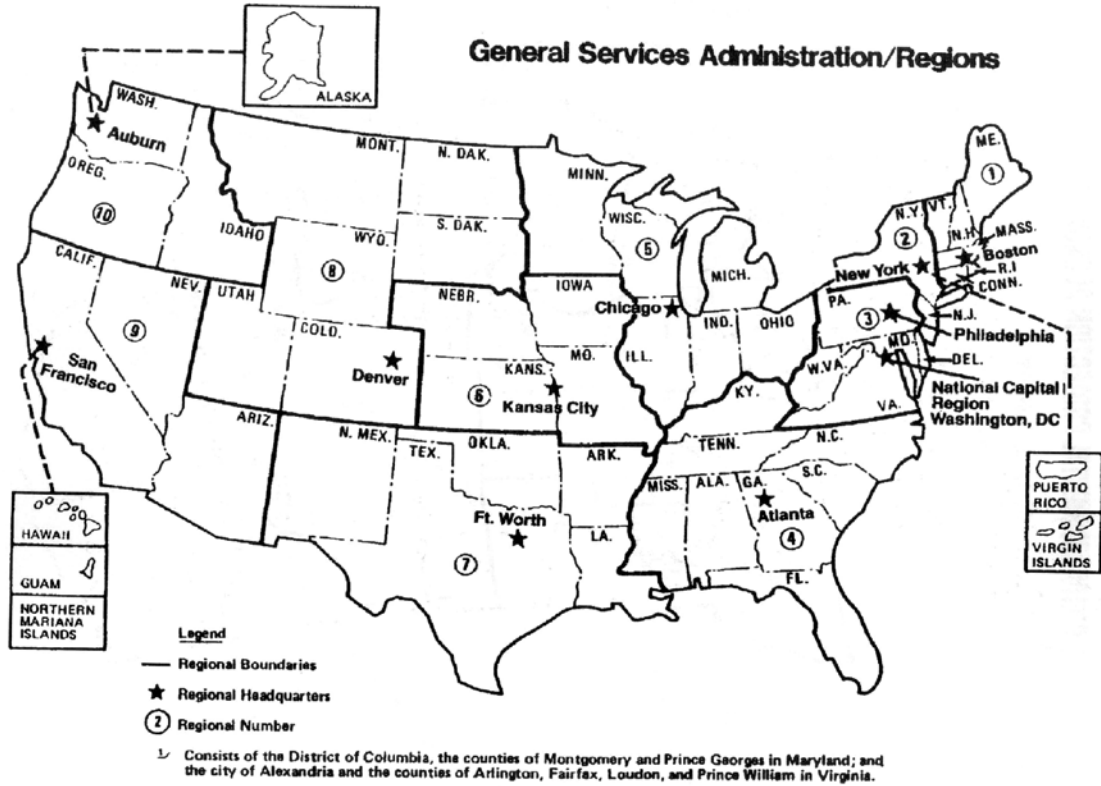


Figure 12: USAF Mars Regions

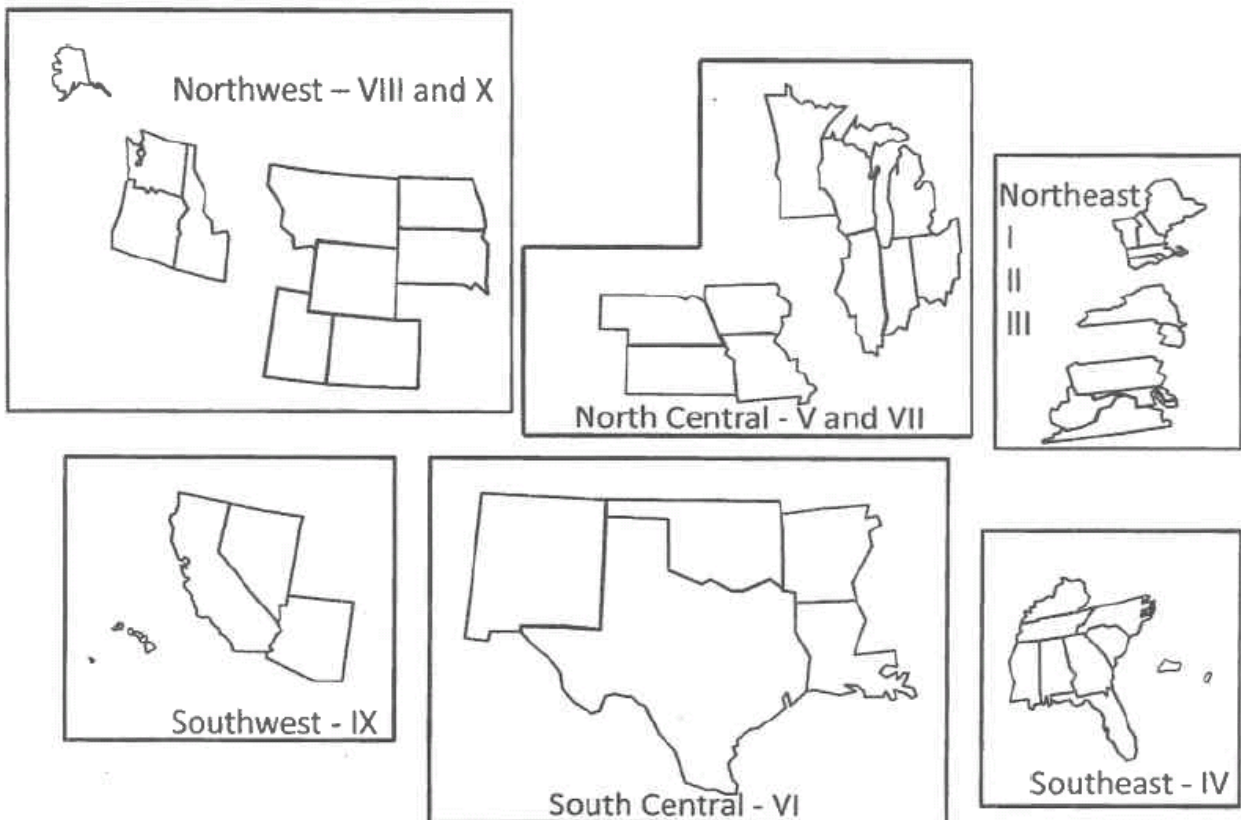
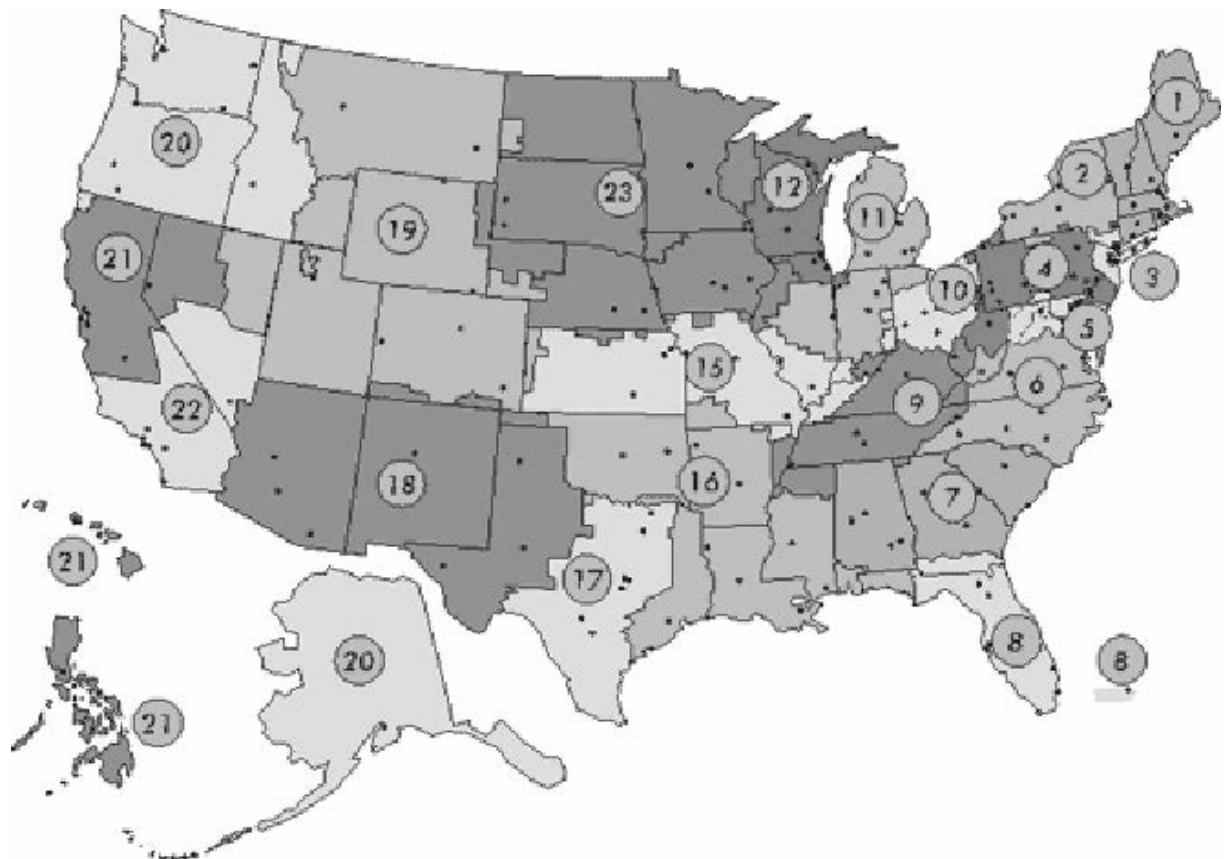


Figure 13: VA Health Administration Integrated Service Network by (VISN) by Boundaries



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 section of Annex G contains those manufacturer codes that will be used in the Circuit Remarks (REM) fields of the GMF (see Section 9.8.2, 39.o, General).

A		ANT	Arnet
AAC	AACOMM, Inc.	AOC	Air Associates Co.
AAE	Atlantic Aerospace Electronics Corp.	APA	Applied Research Associates
AAI	Aircraft Armaments Inc.	API	Applied Research, Inc.
AAO	Aero Astro LLC	APN	Applied Concepts
AAS	Aes Corporation	APO	Apollo Manufacturing Co.
AAT	Airsys ATM	APS	Applied Systems Engineering
ABA	ABA Electronics Mechanical System	APT	Applied Technology
ACA	Aircraft Accessories Corp.	ARA	ARTAIS Inc.
ACC	ACE Communications	ARC	Aircraft Radio Corp.
ACE	Aeronautical Communications Equipment Inc.	ARE	Atlantic Research Corp.
ACI	Air Communications Inc.	ARF	ARF Products, Inc.
ACL	ACR Electronics	ARI	Aerospace Research Inc.
ACR	Acrodyne or Acrodyne Industries Inc.	ARJ	Aeronautical Radio Inc. or ARINC
ACT	ALCATEL	ARM	Armstrong Transmitting Corp.
ADC	Advanced Electronics	ARN	Aerotron, Inc.
ADN	Advanced Navigation Inc.	ART	Allied Radio Shack
ADS	General Electric/Astro Space Division	ARY	Airsys ATM Inc.
ADT	Advanced Videotech Corp.	ASA	Asahi Optical Co.
ADV	Audio-Vac	ASC	Astronics Corp.
ADY	Aerodyne	ASE	Astral Electronics Inc.
AEC	Allied Electronics Corp.	ASG	Allied Signal Commercial Aviation System
AEO	Aer-O-Com	ASI	Alto Scientific Inc.
AER	Aeronautical Electronic Inc.	ASM	Astromarine Products Corp.
AES	Aerosonic Corp.	ASP	A/S S.P. Radio
AGI	Agilent	AST	Astro Communication Laboratories or Astaron Electronics Ltd.
AGN	AGA Navigation Aids Limited	ASY	Antenna Systems Inc.
AHI	Aleth Inc.	ATA	Atacs Corp.
AHR	Aethercomm Inc.	ATC	Astro Telecom Corp.
AIC	Atmospheric Instrumentation Research Corp.	ATE	Advanced Tech Talk
AID	Audio Intelligence Devices Inc.	ATF	Advanced Techcom Inc.
AIE	Aire-Sciences, Inc.	ATI	Amerasia Technology Inc.
AII	Atmospheric Instrument Research, Inc.	ATM	Automation Inc.
AIL	Airborne Instrument Laboratories	ATR	Airtronics Inc.
AIM	Artemis Inc.	ATS	Advanced Telemetry Systems, Inc.
AIO	AIRONET	ATT	American Telephone & Telegraph
AIR	Aireon Manufacture Corp.	ATX	Advanced Training Systems
AIS	Air Science Inc.	AUA	Austin Custom Antennas
ALC	Applied Research Corp.	AUD	Audio-Sine, Inc.
ALL	Allison Electronics	AUM	Austin Microwave, Inc.
ALN	Alenia Spazio	AUT	Audio-Technica US Inc.
ALO	Alineco	AVI	Avitron Inc.
ALP	Aleph Inc.	AVK	Avantek
ALT	Altech Lansing	AVL	Avalon RF Inc.
ALV	Alva Radio Industries	AVM	AVM Instrument Co.
ALX	Aeroflex Lintek Corporation	AVN	Aerovironment
AMH	Amherst Systems, Inc.	AVT	Avtek Co.
AMO	American Optical Corp.	AXM	Anixter-Mark Co.
AMR	Amplifier Research Corporation	AYD	Aydin
AMS	American Systems	AYI	Airport Systems International, Inc.
AND	Andrew Corp.	AZD	Azden, Inc.
ANO	ANACOM	B	
ANP	Antenna Products Co.		
ANS	Antenna Specialists Co.		

BAB	Babcock Electronics Corp.	CIC	Cubic Industrial Corp.
BAC	Barry Research Corp.	CIN	Cincinnati Electronic Corp.
BAD	BAE Systems	CKC	Cook Communications Corp.
BAE	Barth Engineering & Mfg. Co.	CLU	Campbell Scientific Inc. Of Logan Utah
BAN	Belair Networks	CMI	CMI, Inc.
BAR	Barrett Electronics	CMO	Canadian Motorola
BDW	BridgeWave Communications	CMT	Communitronics
BEG	Bendix/King Mobile Communications	CMU	Communitronics Ltd
BEN	Bendix Corp. or Bendix Aviation Corp.	CNC	Conic Corp.
BER	Bertea Products or Bertea Corporation	CNI	Contraves Italiana
BET	Beta Co	CNR	Conifer
BEX	Bext Inc.	COA	Communication Specialities
BLS	Balise	COB	Cobra
BLU	Bludworth or Bludworth Marine Division	COC	Communication Co.
BMS	Broadcast Microwave Services	COE	Communication Electronics Co.
BOA	Boeing Aerospace	COI	Comtech Lab, Inc.
BOE	Boeing Aircraft	COL	Collins Radio Co.
BRG	BRG Precision Products	COM	Comrex
BRI	Bristol Aerospace Ltd.	CON	Continental Electronics, Ltd.
BRN	Baron Services	COP	Communications Products Co.
BRT	Broadcast Electronics	COR	Continental Radio
BTI	Burle Technologies, Inc.	COS	Cosser Electronic
BUT	Butler National Corp.	COU	Courier Communications, Inc.
BVS	Berkeley Varitronics Systems	CPI	CPI, Communications
BZR	Bonzer, Inc.	CRB	Commercial Resources Communications
C		CRC	Collins Radio of Canada
CAB	Campbell Manufacture Company, Ltd.	CRH	Crouse-Hinds
CAC	Cessna Aircraft Co.	CRP	Concord Electronics Corp.
CAI	Communication Associates, Inc.	CRT	Cartwright Electronics Inc.
CAP	Communications Applied Technology	CRU	Cruise Technology
CAR	Canadian Radio Corp.	CSC	Customs Signal Corp.
CAT	Canadian Telephone Co.	CSI	Control Science, Inc.
CAV	Cavotec Microcontrols	CSR	Citizen Ship Radio Corp.
CBE	Crown Broadcast Electronics	CTL	Crescend Technologies LLC
CBM	CBM Electronics	CTR	Cattron, Inc.
CCB	Control Chiefs, Inc.	CTW	Commtech Wireless
CCC	Cadion Communications Corp.	CUB	Cubic Co.
CCD	Control Industries	CUM	Custom Electronic Manufacturing Co.
CCF	Coastal Climate Company	CUS	Cush Craft
CCI	Communications Carriers, Inc.	CVR	Convair
CCJ	Communications Co., Inc.	CWE	Comwave
CCK	Carlson Communication, Inc.	CWI	Cartwright, Inc.
CCP	Continental Electric Corporation	CYB	Cybermation
CDN	Cardian Electronics	CYT	Cybernet International, Inc.
CDP	Codan Pty, Ltd	D	
CDR	Codar Ocean Sensors	DAD	Door Alarm Devices Corp.
CDS	Cubic Defense Systems	DAE	Davco Electronics Inc.
CDS	Cubic Defense Systems	DAN	Daniels Electronics Limited
CDT	Communications & Documentation Technology Co.	DAT	Data Control Systems
CDW	Cardwell Mfg. Co.	DBM	Three DBM Systems
CEG	Ceragon Networks Inc.	DCE	Decatur Electronics, Inc.
CEL	Colorado Electronics	DCI	Defense Communications Engineering Inc.
CEM	Continental Electronics Manufacturing Co.	DCM	Delcom
CEO	Celesco Industries	DEA	Decca Radar Ltd. UK
CER	Centry Research Corp.	DEC	dbSpectra Systems
CET	CETEC Vega	DEF	Deferral
CFM	California Microwave	DEI	Defense Electronics
CHA	Channel Master Corp.	DEL	Delmar Engineering Laboratories
CHM	Chesapeake Microwave	DES	Delstar Corp.
		DET	Detroit Bullet Trap Co.

DGR	Douglas Randall Div. of W.K. Radio Alarm Box	ERD	Emhiser Rand
	DHVDHV, Inc.	ERI	Electronics Research Industries
DIG	Digital Radio	ERN	Erichson
DIT	Digitize, Inc.	ERX	Emhiser Research, Inc.
DIX	Dixon Industries Corp.	ESC	ESCO
DLN	Del Norte	ESD	ESL, Inc.
DMC	Digital Microwave Corp.	ESE	Electronic System Technology
DMI	Data Marine International	ESI	Energy Systems, Inc.
DMT	Defiance Machine Tool Co.	ESN	Espey Mfg Electronics
DNS	Decca Navigator Systems, Inc.	ESR	Esterline
DNT	Del Norte Technology, Inc.	ESS	Electronic Support Systems, Inc
DOR	Dorsett Laboratories	EST	Electric Service Co.
DOS	Dorsett Electronics Division (LaBarge, Inc.)	ESY	E-Systems
DRA	Drake RF Co.	ETE	Enterprise Electronics, Inc.
DRI	Decca Radar, Inc.	ETR	Ecatek, Inc.
DRK	Data Radio Corp.	ETS	Electronic Systems Technology
DSI	Delta Sigma Inc.	EWR	Ewr Weather Radar Systems
DSY	Defense Systems, Inc.	EXE	Executive Communications
DTC	DTC Communications	EXI	EXICOM New Zealand, Ltd.
DTE	Dayton Electronics, Ltd.	EXT	Executone, Inc.
DTM	Datum	EXX	EXETEX
DTW	Datawell	F	
DUT	Duelatron	FAA	Federal Aviation Administration
DXR	DX Radio Corp.	FAL	Frant, Alan I.W.
DYC	Dynamic Communications	FAP	Fran Air Products Co.
DYR	Dynair Electronics	FAR	Farnsworth TV Radio
DYS	Dynascan Corp.	FAS	Ford Aerospace Corp.
E		FEC	Farinon Electric
EAD	European Aeronautic Defense and Space	FEM	FEMCO, Inc. or FEMCO Div. Gulton Industries
	Company	FER	Ferguson Communications, Inc.
EAG	Eagle-Picker Industries, Inc.	FGI	Fleetwood Group, Inc.
EAI	Elta-Ashdad Israel	FLL	Flight Refuel, Ltd.
EAR	Earmark, Inc.	FMI	Farinon Microwave
ECE	Eclipse Electronic Systems, Inc.	FNT	Fonet, Inc.
ECL	Eaton Corp. AIL DIVN.	FOR	Fort Worth Tower Co.
ECR	Edcor	FOT	Fortress Technologies
EDO	EDO Corp.	FRF	4RF Communications
EDR	EDO Aire	FSG	Futurecom Systems Group Inc.
EEC	Electronic Engineering Co.	FSI	Frequency Source, Inc.
EEE	EMCEE, Co.	FSR	Federal Signal Radio
EFD	EF Data	FUJ	Fujitsu Tem Corp. of America
EGX	Energy-Onix	FUR	Furuno
EIP	Electromatic, Inc.	FUT	Futaba
ELA	Ellason	G	
ELI	Electrac, Inc.	GAB	Gabriel Corp.
ELM	Electronic Material International, Ltd.	GAE	General Aviation Electronics
ELS	Electromagnetic Sciences, Inc.	GAI	Garmin International
EMA	Electro Magnetic Sciences Co.	GAL	Granger Associates ,Ltd.
EMC	Electronics Missiles Communications, Inc.	GAT	Gates Radio Co.
EMH	Electro-Mechanics Co.	GDC	General Development Corp.
EMI	EMI-Cossor Electronics Ltd. or EMI Marine	GDE	General Dynamics/Electronics
	Division	GDI	Godfrey Engineering, Inc.
EMR	Electro Mechanical Research, Inc.	GEC	GEC Telecommunications, Ltd.
EMW	Eastern Microwave Corp.	GEI	Galaxy Electronics, Inc.
END	ENDECO	GEL	General Electronics Laboratories, Inc.
ENI	Electronic Navigation Instruments	GEM	Gem Marine Products
ENT	Enerdyne Technologies	GEN	General Electric Corp.
EPS	EPSCO, Inc.	GEO	Geodyne Corp.
ERA	Ericsson, L.M. Ltd.	GEP	Genesys Systems
ERC	ERCO Radio Laboratories	GEV	Genave

GIC	General Instrument Corp.	IBM	International Business Machine Co.
GIT	Georgia Institute of Technology	ICM	ICOM
GLB	GLB Electronics, Buffalo, N.Y.	ICO	International Corp.
GLM	Global Microwave Systems	ICS	Industrial Comm Systems
GMC	General Motors Corp.	ICX	ICX Technologies
GME	General Microwave Services	IEC	IEC Electronics Corp.
GMI	General Microwave Corporation	IFR	Instrument Flight Research Corp.
GMS	Galaxy Micro Systems, Inc.	ILS	International Laser Systems, Inc.
GMW	Global Microwave, Inc.	IMC	International Microwave Corp.
GNI	GPS Networking Inc	IMR	Imsar LLC
GON	Gonset Corp. or Gonset Division of Aerotron or Dumont Division of Gonset	IMS	International Meteorological Systems
GPS	GPS Source Inc.	INC	INTRAC
GRA	Granger Associates or Bauer Broadcast Division of Granger	INE	Intech, Inc.
GRC	General Radio Co.	INS	IN-SNEC
GRO	Ground Data Corp.	INT	Interstate Electronics Co.
GRT	General Radiotelephone Co.	ISC	International Signal and Control
GTE	GTE Sylvania	ISS	Information Station Specialist
GTI	Skylink Uhf Wireless Network	ITF	ITT Defense Communications
GTL	GTE Lenkurt	ITG	ITT Gilfillan
GYE	Glenayre	ITM	ITT Mackay Marine
H		ITO	ITT Aerospace/Optical
HAC	Harris Corp.	ITP	International Telephone & Telegraph Corp. or ITT Industrial Products
HAD	Harris Aerospace Systems Divn.	ITS	ITT Standard
HAI	Hallmark Instruments, Inc.	ITT	ITT Federal Laboratories
HAM	Hammarlund Manufacturing Co. or Dumont Division of Hammarlund	J	
HAN	Handar Company	JDE	John Deere
HAR	Harvey Radio Laboratories, Inc.	JDT	Johnson Data Telemetry Corp.
HAS	Hastings Raydist, Inc.	JEP	Jet Propulsion Laboratory
HAZ	Hazeltine Corp.	JER	Jerrold Electronics Corp.
HDS	Household Data Services, Inc.	JHU	Johns Hopkins University
HEA	Heath Co.	JNN	Johnson Associates
HEL	Hermes Electronics	JOH	Johnson E.F.
HEP	Hewlett Packard	JRC	Japan Radio Co.
HER	Hermer Electronics, Ltd.	JTC	Janteq Corp.
HFI	Harris Farinon, Inc.	K	
HIC	Harris Intertype Corp.	KAM	Kaman Electronic Systems Division
HII	Herley Industries	KAN	Kantronics
HIS	Highway Information Systems, Inc.	KAR	Kaar Engineering
HME	Hartman Marine Electronics Corp.	KDK	KDK Inc.
HMI	HM Electronics, Inc.	KED	Kenwood
HMS	Herley Microwave Systems	KEI	Keith Anderson Co. or Keith V. Anderson
HMT	Hamtronics	KEL	Kelvin Hughes, Ltd.
HNS	Hughes Network Systems	KEN	Kennedy Co.
HON	Honeywell	KEY	Key Systems, Inc.
HOR	Horizon	KFE	K-F Electronics
HRC	Henry Radio Co.	KIE	Kinn Electronics Corp.
HRS	Hendy Radio Service	KIG	Kingfisher
HSA	Hallands Signal Attaraten	KIN	King Radio Corp.
HSC	Hawkeye Systems Corp.	KOD	Koden America, Inc
HSI	Hi Sierra	KRA	Kraft Systems
HTI	Hamtronics, Inc.	KTI	Keltec Industries
HTS	HT Systems	KUS	Kustom Signal Corp.
HUG	Hughes Aircraft Co.	KUX	Kustom Electronics Inc.
HUL	Hull Electronics Co.	L	
HYE	Hy-Gain Electronics Corp.	LAB	La Barge, Inc.
HYP	Hyperlink Technologies	LAC	Loea Corporation
I		LAN	Lance Antenna Corp.
		LAR	Largo Electronic Manufacturers Inc.
		LCA	Univ. of Lowell Center for Atmospheric

	Research	MGI	Megapulse, Inc.
LDS	Loral Data Systems	MGT	Magnetek
LEA	Lear, Inc.	MHR	Minneapolis Honeywell Regulator
LEC	Lorain Electronics Corp.	MHS	Microhard Systems Inc.
LED	Lucas Ledex	MIB	Mitsubishi Denki Co. or Mitsubishi Electric
LEN	Lenkurt Electric Co.	MIC	Microdot, Inc.
LET	Lectrosonics, Inc.	MID	Microfix Instruments, Ltd.
LFE	Laboratory for Electronics, Inc.	MIF	Micromega, Divn of Bunker-Ramo Corp.
LII	Litton Industries	MIL	Micro-Linke Corp.
LIL	Lincoln Laboratory	MIN	Midland Intrl. Corp.
LIN	Ling Systems, Inc.	MIQ	Miteq Corp.
LLL	Lawrence Livermore Laboratory	MIT	Minatronics Corp.
LMB	Lambda RF Systems	MIW	Microwave Associates, Inc.
LNC	Linear Corporation	MKY	Mackay Radio-Telegraph Co.
LNR	LNR Communications, Inc.	MLR	R. A. Miller Industries
LOA	Los Alamos National Laboratories	MMA	Martin Marietta Air Space
LOC	Lockheed Electronics	MML	Micromil Electronics, Ltd.
LOE	Loral Electronics Corp.	MMT	Millimeter Wave Technology
LOM	Lockheed Martin Astro Space	MNI	Microwave Network, Inc.
LOR	Lorrain County Radio Corp.	MNO	Microwave Innovations
LOS	Lockheed Sanders, Inc.	MNT	Montec (Divn of E-Systems)
LOT	Lotran, Inc.	MOC	Model Rectifier Co.
LPB	Low Power Broadcast Co.	MOD	Modar Electronics
LRD	Laird Technologies	MOE	Monaco Enterprises, Inc.
LSC	L-3 Space Communications	MON	Monitor Electronics
LUC	Lucos Air Space	MOT	Motorola Corp.
LYN	Lynch Communications Systems, Inc.	MOX	Mobile Communications
M		MPD	Microwave Power Devices, Inc.
MAB	M/A Comm AC, Inc.	MPH	MPH Industries, Inc.
MAC	Marconi Instruments, Division of English Electronics	MPI	Microwave Products, Inc.
MAE	Marine-Air Systems, Ltd.	MPN	Multipoint Network
MAG	Magnavox Co.	MRC	Midwest Radio Corp.
MAH	Martch Co.	MRE	Monicor Electronics
MAK	Mark IV Industries, Ltd.	MRF	Mid-Atlantic RF Ssystems
MAM	M/A COMM MAC	MRR	Marti
MAR	Mark Products Co.	MRS	Micro Systems, Inc.
MAS	Mid American Relay Systems	MRT	Marti Electronics
MAX	Maxson Electronics Corp. (Electronics Design)	MSD	Marconi Space and Defense Systems
MBC	Meteor Communications Consultants, Inc.	MSI	Microhard System Inc.
MBE	Marcel Bassaulet Electronics	MSR	Mid-State Radio
MBR	Malibu Research	MSY	Meteric Systems Corp.
MCC	Microcom Corp.	MTH	Martech, Inc.
MCD	McDonnell Aircraft Corp.	MTI	Mobile Telesystem, Inc.
MCE	Micro Electronics	MTN	Monitron Corp.
MCF	Microfect	MTR	Meteor, Communications Corp.
MCI	Marconi Radio	MTS	Mobile Telesystems
MCJ	Marconi Electronics	MUI	Multronics, Inc.
MCL	Microwave Cavity Laboratory	MUL	Multi-Elmac Co.
MCO	Micro Communications Co.	MUN	Muniquip Co.
MCS	Micronetics	MUT	Multitone Electronics, Ltd.
MCT	Micro Control Specialities	MVI	M/A-COM Video Systems, Inc.
MDC	Microdyne Corp.	MWB	Microwave Bypass Systems
MDH	Madah-Com	MWO	Microwave Radio Corp.
MDM	Microwave Design Manufacturing, Inc.	MWS	Microwave Sensors
MDS	Metrodata Systems	MWT	Marconi Wireless Telegraph Co., Ltd.
MDT	MDTT, Inc.	MXN	Maxon Electronics, Inc.
MDY	Microwave Data System	MYR	Marshall Radio Technology
MET	Metrotek Electronics Co.	N	
MFX	Morfax, Ltd.	NAR	Narda Microwave Corp.
		NAU	Nautel

NAV	Naval Avionics	PRI	Polytronics Research, Inc.
NCC	Nutex Communications Corp	PRL	Polar Research Lab.
NCF	National Center for Atmospheric Research	PRO	Podelin, Inc.
NCR	National Cash Register of Canada	PRT	Pitchard Brown
NDS	Norand Data Systems, Inc.	PRX	Poxim
NEA	NEC America, Inc.	PSI	Planning Systems Incorporated
NEB	NEUTEC	PST	Pwer Systems Technology, Inc.
NEC	Nemsclarke	PTI	Ptection Technology, Inc.
NER	Nera	PYR	Pyramid Co.
NEU	Neulink, Divn of Celltronics	Q	
NIE	Nippon Electronic Company Ltd.	QEI	QEI Corp.
NMT	New Mexico Tech	QEN	Quadrant Engineering, Inc.
NOC	Northrop Corp.	QSC	Quanta System Corp.
NOI	Nokia	QUA	Qualimetrics Corp.
NOR	Northeast Medal Industries	QUC	QALCOMM
NOV	Nova-Tech/Avionics or Nova Tech Inc.	QUI	Quintron Corp.
NRA	Northern Radio Co. or Northern Electronic Co.	QUS	Quasonix Systems
NRB	NARCO	QUT	QUALI-TRON
NRC	National Aeronautic Corp.	R	
NSI	Nady System, Inc.	RAC	Racal Communications, Ltd.
NSM	News And Sports Microwave	RAD	Radiation, Inc.
NTA	Nextiva	RAE	Racal Electronics, Ltd.
NUC	Nucomm	RAG	Radian Corp.
O		RAJ	Ray Jefferson Co.
OAI	Oklahoma Aerotronics, Inc.	RAM	Raymarine Inc.
OAQ	OAQ Corp.	RAN	Rantec Corp.
OAR	Ocean Applied Research Corp.	RAS	Radio Shack
OKA	Oklahoma Electronics Co.	RAT	Ratelco, Inc.
OKI	OKI Denki Co.	RAV	Raveon Technologies
OMN	Omnitek	RAW	Radwin
OOS	Odom Offshore Survey	RAY	Raytheon Co. or Raytheon Manufacturing Co.
OPH	Ophir	RCA	Radio Corporation of America
OPS	Opos Electronics	RCN	Racon, Inc.
OSC	Orbital Sciences Corp.	RCT	Remote Control Technologies
P		RCV	RCA Victor Company, Ltd.
PAD	Pacific Advanced Engineering, Inc.	RDA	Radair, Inc.
PAE	Park Aire Electronics	RDE	Radtec Engineering
PAI	Pacific Aerosystem, Inc.	RDN	Raydyne, Inc.
PAL	Palmer, B. Co.	RDW	Radio Waves Inc.
PAR	Parsons Electronics	REF	Republic Electronics Films, Inc.
PAS	Park Air Systems	REG	Ross Engineering
PAU	Pauldon	REI	Regency Electronics, Inc.
PAV	PAVCO	REL	Radio Electronics Laboratories
PCC	Pace Communications Corp.	REP	Repco, Inc. or R.G.P. Co.
PCE	Page Communications Engineers, Inc.	RES	Resdel Engineering Corp.
PCL	PC Electronics	RFC	RF Communications Associates, Inc.
PCM	Pacific Communications	RFE	Rafael
PCR	Pacific Crest Corp.	RFI	Radio Frequency Communications, Inc.
PCS	Proportional Control Systems	RFS	Radio Frequency Systems
PDL	Paradise Datacom LLC/LTD	RFT	R. F. Technology
PEA	Pearce Simpson, Inc.	RGC	Ranger Communications
PEG	Peninsula Engineering Corp.	RHG	RHG Electronics Laboratories
PFE	Professional Electronics	RIE	Rockwell International Electronics
PLE	Plessey Company, Ltd. (UK)	RIT	Ritcon, Inc.
PMH	Pacific Microwave Research	RLC	Realistic Co.
PMX	Primex Wireless Clock System	RMC	Relm Communications, Inc.
POE	Pointer Electronics	RMI	Racal Decca Marine, Inc.
POX	Polytronics Communications or Pro-Line Electronics	RMT	Remotec, Inc.
PPI	Peter Pepper Inc.	RMX	Radiometrix
		RNS	Radionics

ROB	Robinson Electronics	SMO	Sierra Misco
ROC	Recon Optical, Inc.	SMR	Shine Micro Radarplus
ROE	Robinson Engineering Co.	SMT	Samson Technologies Corp.
ROS	Rohde Schwarz	SMW	Southern California Microwave
ROT	Rothenbuhler Engineering	SNC	Sierra Nevada Corp.
RQM	Racon, Inc. Quality Microwave	SNS	Senstar Corp.
RRC	Radio Receptor Co.	SNT	Santec
RSI	Radio Systems, Inc.	SOA	Southern Avionics
RSM	Radio Specialty Manufacturing	SON	Sonar Radio Corp.
RSS	RS Systems, Inc.	SOY	Sony
RTK	REFTEK	SOZ	Southcom International, Inc.
RTR	Ritron, Inc.	SPA	Spar Aerospace, Ltd.
RWC	Rockwell, Collins	SPB	System Planning Co.
S		SPC	Space Technical Laboratories
SAB	SAAB	SPD	Sperry Corp.
SAC	Sabre Communications Corp.	SPE	Space Electronics
SAD	Sandia Corp.	SPG	Space General
SAI	Springer Aircraft Radio Corp.	SPK	Spike Technologies, Inc.
SAL	Salco Manufacturing Co.	SPN	Sparton Electronics
SAN	Sanders Associates, Inc.	SPR	Sperry Corp. or Servo Corporation of America
SAR	Stoddard Aircraft Radio Co.	SPZ	Sperry Marine Systems
SAT	Sarkes Tarzian, Inc.	SQA	Square D Co.
SBE	Seaboard Electronics	SQL	Spacequest LTD
SCA	Scala Radio Corp.	SRM	Sierra Monolithics, Inc.
SCC	Secode Corp.	SRS	Scientific Radio Systems, Inc.
SCI	Scientific Atlanta Co.	SRU	SATEL Radio USA
SCM	SCM Melabs, Inc.	SSI	Surface System, Inc.
SCO	Scope, Inc.	SSN	Sensis Corp.
SCT	Science Applications International Technology, Inc.	SSR	Sensor Systems
SCT	Science Applications International Corporation (SAIC)	SSY	Stellar System
SDI	Safety Devices, Inc.	STA	Standard Electronics
SEA	Sears Roebuck Co.	STB	Standard Communications
SEC	Struthers Electronics Corp.	STD	Standard Elektrik Lorenz
SEI	Seiscor Manufacturing Co.	STE	Stephenson
SEL	Selenia S.P.A. (Italy)	STM	ST Microwave
SEM	Seatron, Inc.	STR	Stromberg Carlson Products Co.
SEN	Sennheiser Electronic Corp.	STS	Standard Electrica S.A.
SEO	SEMCO	STW	Stewart Warner Corporation of Canada, Ltd.
SER	Servo Corp. of America	STX	SI-Tex Marine Electronics, Inc.
SFC	Safecom (Radionics)	STY	Sensor Technology Systems, Inc.
SFI	Stanford Telecommunications, Inc.	SUM	Summers & Mills
SGC	Sperry Gyroscope Company of Canada, Ltd.	SUN	Sunair Electronics, Inc.
SHU	Shure Brothers, Inc.	SUR	Sur-Tec, Inc.
SIA	Stephens Engineering Associates, Inc.	SUT	Sutron Co.
SIC	SRI International	SWI	Swintek Cordless Microphone Co.
SID	Sierra Digital	SWM	Southwest Microwave Co., Inc.
SIE	Sierra Electronic Division of Philco	SWR	Southwest Research Institute
SIG	Signal Communications	SWS	Swiss Phone
SIH	Siemens-Halske	SYA	Syracuse Research Corp.
SII	Sirit Corp	SYE	Systems Engineering & Management Corporation
SIM	Simpson Electronics	SYL	Sylvania Electronics Defense Laboratory or Sylvania Electronics Products
SIN	Spectrum Communications, Inc.	SYN	Synergetics
SIP	Sippian Ocean Systems	SYS	Systron Donner Corp (Demornay Bonardi)
SIR	Sitra	T	
SLM	Spacelabs Medical	TAC	Technical Appliance Corp.
SLT	Satellite Transmission Systems, Inc.	TAD	TAD-American Corp.
SMG	Symbol Technology, Inc.	TAE	Tait Electronics, Ltd.
SML	Space Microwave Lab.	TAT	Thrane & Thrane

TBL	Trimble Navigation	TRW	TRW Electronics
TBN	Tayburn	TRZ	Travelers Information Services, Inc.
TCD	Techdyn Systems Corp.	TSB	Transcience
TCI	Tel Com Industries	TSC	Teledyne Systems Co.
TCM	TCOM Industries, Inc.	TSI	Tactical Systems, Inc.
TCO	Temco Aerosystems	TSS	Telesystems, Inc.
TCT	Transcidronic	TTC	Titian Corp.TTI
TDC	Teledyne T/M Co.	TTK	Tron-Tek, Inc.
TDI	TeleDesign	TTS	Telescience Transmission System, Inc.
TDL	Tidelands	TTT	Tactical Technology, Inc.
TDY	Tele-Dynamics	TXA	Textron Defense Systems
TEC	Telviso Electronics	TXC	Telxon Corporation
TED	Teldex	TYC	Tycho-Tech
TEI	Texas Instrument, Inc.	U	
TEK	Te-Ka-De Co.	UDN	Uniden
TEL	Telrex Laboratories	UNI	Univac Corp.
TEN	Teletronix Engineering Co.	UNS	Unisys Corp.
TEO	Telemotive	USE	Use Corporation
TEP	Tepco Corp.	USN	Universal Space Network Inc.
TEQ	Tenna Corp.	V	
TER	Terra-Com	VAI	Vaisala
TES	Technisonic Industries	VAL	Valcom, Ltd.
TET	Tactical Electronics Corp.	VAR	Varian Associates
THA	Thales ATM	VAT	Viatec
THC	Thomson CSF	VEC	Vector Manufacture Co.
THE	Thorn EMI Electronics, Inc.	VEG	Vega Electronics Corp.
THY	Technology Service Corp.	VER	Versa-Count
TIA	Television Technology Corp.	VEX	Vertex Communications Corp.
TIE	Tel Instrument Electronics	VHF	VHF Engineering Co.
TII	Teledyne Industries, Inc.	VIA	Victoreen Instrument Co.
TIL	Transcript International	VIL	Vitel
TIM	Time Domain Corporation	VIS	Visual Manufacturing Division
TIN	Telinstrument Co.	VIT	Vitro Electronics
TIS	Tadiran Israel Industries, Ltd.	VIX	Vista Manufacturing Co.
TKL	Teklogix, Inc.	VIZ	VIZ Corp.
TKM	TEK Mark Company	VST	Viasat Technologies Co.
TLA	Telonica Corp.	VTC	Vectran Corp.
TLC	TRT Groupe	VUA	Vector Division of United Aircraft
TLF	Telefunken Gmbh.	VYT	Vytek, Inc.
TLM	Telemobile, Inc.	W	
TLP	Telephonic Corp.	WAT	Washington Technological Assn., Inc
TLR	Telline Radio	WAV	Wavetek
TLX	Telex Co.	WBL	Weibel Scientific, Inc.
TMA	Tampa Microwave	WEC	Western Electric Company, Inc.
TMC	Technical Materiel Corp.	WED	Winston Electronics Division
TMD	TMC Systems & Power Corp. or Telemotive Division of Dynascan	WEI	Ward Electronic Industries
TMR	Terma Elektronik	WES	Westinghouse Electric Co.
TNC	Technocom	WHD	Windermere HDS
TNS	Telonics	WHE	Whelen
TOA	Townsend Associates	WIK	Wilkinson Electronics, Inc.
TOS	Toshiba Co.	WIL	Wilcox Electric Corp.
TPL	Technology Proprietary, Ltd.	WIN	Wind Data
TRA	Transco Products, Inc.	WJO	Watkins Johnson Co.
TRB	Trans World Communications, Inc.	WLC	Wilson Electronic Corp.
TRF	TRF Company	WMC	Weather Measure Corp.
TRI	Tracor, Inc.	WMX	Western Multiplex Corporation
TRM	Tram/Diamond Corp.	WRL	World Radio Laboratories
TRN	Tran-Com	WSM	Western Space and Marine
TRP	Tri-Com, Inc.	WUL	Wulfsberg Electronics
		X	

XCM Xicom Technology
 XON Xontech, Inc.
 XTR Xetron Corp.
Y
 YDI Yarnell Data, Inc.
 YEA Yaesu

Z
 ZEP Zephyrus
 ZET Zeta Laboratories

G.6 ANTENNA ABBREVIATIONS

This section of Annex G contains those antenna abbreviations that will be used in the XAD and RAD fields of the GMF (see Section 9.8.2, 29.b(4b) and 9.8.2, 38.b(4b)).

ANTENNA NAME	ABBREVIATION
Alford Loop	ALFORDLOOP
Annular slot	ANULARSLOT
Batwing	BATWING
Biconical	BICONICAL
Biconical Dipole	BICONCLDPL
Blade	BLADE
Bowtie	BOWTIE
Cassagrain	CASSEGRAIN
Cavity Array	CAVITYARRAY
Coaxial Dipole	COAXDIPOLE
Collinear	COLLINEAR
Collinear Array	COLLNRARRAY
Conformal Array	CNFRMLARRAY
Conical	CONICAL
Conical Horn	CONICALHRN
Corner Reflector	CORNREFLTR
Cross Dipole	CROSSDIPOL
Cross Dipole Reflector	CRDIPOLERF
Dielectric Lens	DLCTLENSES
Dipole	DIPOLE
Dipole Array	DIPOLEARRAY
Discone	DISCONE
Dual Log Periodic	DUALLGPRDC
Dual Yagi	DUALYAGI
Folded Coax	FOLDEDCOAX
Folded Dipole	FOLDDIPOLE
Folded Monopole	FOLDMONOPL
Ground Plane	GROUNDPLAN
Half Parabolic	HALFPARBOL
Helical	HELICAL
Helical Array	HELICALARY
Helix	HELIX
Helix Array	HELIXARRAY
Horn	HORN
Linear Array	LINEARARRAY
Log Periodic	LOGPERIODC
Longwire	LONGWIRE
Loop	LOOP

ANTENNA NAME	ABBREVIATION
Loop Array	LOOPARRAY
Microstrip	MICROSTRIP
Microstrip Array	MCRSTRPARY
Monopole	MONOPOLE
Monopole Array	MONOPLARRAY
Panel	PANEL
Parabolic	PARABOLIC
Parabolic Cylinder	PARABLCCYL
Patch	PATCH
Phased Array	PHASEDARRAY
Phased Array Waveguide	PHSDARYWVG
Pillbox	PILLBOX
Planar	PLANAR
Planar Array	PLANARARRAY
Radiax Cable	RADIAX
Reflector	REFLECTOR
Rhombic	RHOMBIC
Skeleton Slot	SKELTNSLOT
Slot	SLOT
Slot Array	SLOTARRAY
Slotted Waveguide	SLOTTDWVGD
Spiral	SPIRAL
Stacked Array	STACKDARRAY
Stacked Cross Dipole	STDCRSDPL
Stacked Dipole	STCKDIPOLE
Stacked Yagi	STACKDYAGI
Stub	STUB
Swastika	SWASTIKA
Symmetrical Tee	SYMMETRCTE
Tophat	TOPHAT
Turnstile	TURNSTILE
V Ring	VRING
Waveguide	WAVEGUIDE
Waveguide Array	WAVEGDARRAY
Whip	WHIP
Yagi	YAGI
Yagi Array	YAGIARRAY

(Last Page in Annex G)