

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
Air Force, Department of the	Office of Inspector General	OIG
	Office of the Secretary	SEC
Architect of the Capitol		AOTC
Army, Department of the		AR
	AFMO US&P	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
	Bureau of Ocean Energy Management	BOEM
	Bureau of Safety and Environmental Enforcement	BSEE
	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

Agency	Bureau	Abbreviation
	Bureau of Land Management - Idaho	LID
	Bureau of Land Management - Montana	LMT
	Bureau of Land Management - Nevada	LVN
	Bureau of Land Management - New Mexico	LVN
	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)	LVNFC
	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
	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
	Armstrong 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 Geospatial-Intelligence Agency		NGA
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
Railroad Retirement Board		RRB
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
	Office of Foreign Missions	OFM
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
	Bureau of Fiscal Service	FS
	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
	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)	G	United Kingdom of Great Britain and Northern Ireland
BOT	Botswana (Republic of)	GAB	Gabonese Republic
BRB	Barbados	GCA	Territories of the United Kingdom in Region 1
BRU	Brunei Darussalam	GCC	Territories of the United Kingdom in Region 3
BTN	Bhutan (Kingdom of)	GDL	Guadeloupe (French Department of)
CAF	Central African Republic	GEO	Georgia (Republic of)
CAN	Canada	GHA	Ghana
CAR	Caroline Islands	GIB	Gibraltar
CBG	Cambodia (Kingdom of)	GMB	Gambia (Republic of the)
CHL	Chile (except Easter Island)	GNB	Guinea-Bissau (Republic of)
CHN	China (People's Republic of)	GNE	Equatorial Guinea (Republic of)
CHR	Christmas Island (Indian Ocean)	GRC	Greece
CKH	Cook Islands	GRD	Grenada
CLM	Colombia (Republic of)	GRL	Greenland
CLN	Sri Lanka (Democratic Socialist Republic of)	GTM	Guatemala (Republic of)
CME	Cameroon (Republic of)	GUF	Guiana (French Department of)
CNR	Canary Islands	GUI	Guinea (Republic of)
COD	Democratic Republic of the Congo	GUM	Guam
COG	Congo (Republic of the)	GUY	Guyana
COM	Comoros (Islamic Federal Republic of the)		
CPV	Cape Verde (Republic of)	HKG	Hong Kong
CRO	Crozet Archipelago	HND	Honduras (Republic of)
CTI	Cote d'Ivoire (Republic of)	HNG	Hungary (Republic of)
CTR	Costa Rica	HRV	Croatia (Republic of)
CUB	Cuba	HTI	Haiti (Republic of)
CVA	Vatican City State	HWA	Hawaii (not for use in GMF; for ITU use only)
CYM	Cayman Islands		
CYP	Cyprus (Republic of)	I	Italy
CZE	Czech Republic	ICO	Cocos Keeling Islands
D	Germany (Federal Republic of)	IND	India (Republic of)
DGA	Diego Garcia	INS	Indonesia (Republic of)
DJI	Djibouti (Republic of)	IRL	Ireland
DMA	Dominica (Commonwealth of)	IRN	Iran (Islamic Republic of)
DNK	Denmark	IRQ	Iraq (Republic of)
DOM	Dominican Republic	ISL	Iceland
E	Spain	ISR	Israel (State of)
EGY	Egypt (Arab Republic of)	J	Japan (includes Iwo Jima, Marcus Island, Ryu Kyu Islands)
EQA	Ecuador	JMC	Jamaica
ERI	Eritrea	JON	Johnston Island
EST	Estonia (Republic of)	JOR	Jordan (Hashemite Kingdom of)
ETH	Ethiopia		
F	France	KAZ	Kazakhstan (Republic of)
FJI	Fiji (Republic of)	KEN	Kenya (Republic of)
FLK	Falkland Islands (Malvinas)	KER	Kerguelen Islands
FIN	Finland	KGZ	Kyrgyz Republic
FRO	Faroe Islands	KIR	Kiribati (Republic of)
FSM	Micronesia (Federated States of) (Kapingamarangi, Kosrae, Lamotrek, Namonuito, Nukuoro, Oroluk, Pohnpei, Truk, Ulithi, Woleai, Yap)	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		
TCA	Turks and Caicos Islands	UZB	Uzbekistan (Republic of)
TCD	Chad (Republic of)		
TGO	Togolese Republic	VCT	St. Vincent and the Grenadines
THA	Thailand	VEN	Venezuela (Republic of)
TKL	Tokelau Islands	VIR	United States Virgin Islands (St. Croix, St. John, St. Thomas) (not for use in GMF; for ITU use only)
TJK	Tajikistan (Republic of)		
TKM	Turkmenistan	VRG	British Virgin Islands
TLS	Timor-Leste (Democratic Republic of)	VTN	Viet Nam (Socialist Republic of)
TON	Tonga (Kingdom of)	VUT	Vanuatu (Republic of)
TRC	Tristan da Cunha	WAK	Wake Island
TRD	Trinidad and Tobago	WAL	Wallis and Futuna Islands
TUN	Tunisia		
TUR	Turkey	YEM	Yemen (Republic of)
TUV	Tuvalu		
TZA	Tanzania (United Republic of)	ZMB	Zambia (Republic of)
UAE	United Arab Emirates	ZWE	Zimbabwe (Republic of)
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 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.

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 US&P - Alabama, Alaska, Arkansas, California, Colorado (less the area west of 108° West), Connecticut, Delaware, Florida, Georgia, Hawaii, 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.

VISN 1	Maine, Vermont, New Hampshire, Connecticut, Rhode Island, Massachusetts.	VISN 15	Southern Indiana, Southern Illinois, Missouri, Kansas.
VISN 2	Upper New York State.	VISN 16	Mississippi, Louisiana, Arkansas, East Texas, Oklahoma.
VISN 3	Lower New York State. New York City.	VISN 17	Central Texas.
VISN 4	Pennsylvania.	VISN 18	West Texas, New Mexico, Arizona
VISN 5	Delaware, Maryland.	VISN 19	Colorado, Utah, Wyoming, Montana.
VISN 6	Virginia, North Carolina.	VISN 20	Idaho, Washington, Oregon
VISN 7	South Carolina, Georgia, Alabama.	VISN 21	Northern Nevada, Northern California.
VISN 8	Florida.	VISN 22	Southern Nevada, Southern California.
VISN 9	Tennessee, Kentucky, West Virginia.	VISN 23	Nebraska, Iowa, North Dakota, South Dakota, Minnesota.
VISN 10	Ohio.		
VISN 11	Northern Indiana, Michigan.		
VISN 12	Northern Illinois, Wisconsin.		

US Army Corps of Engineers Division/District Map

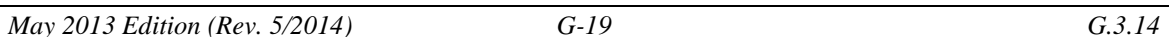


Figure 2: Tennessee Valley Authority

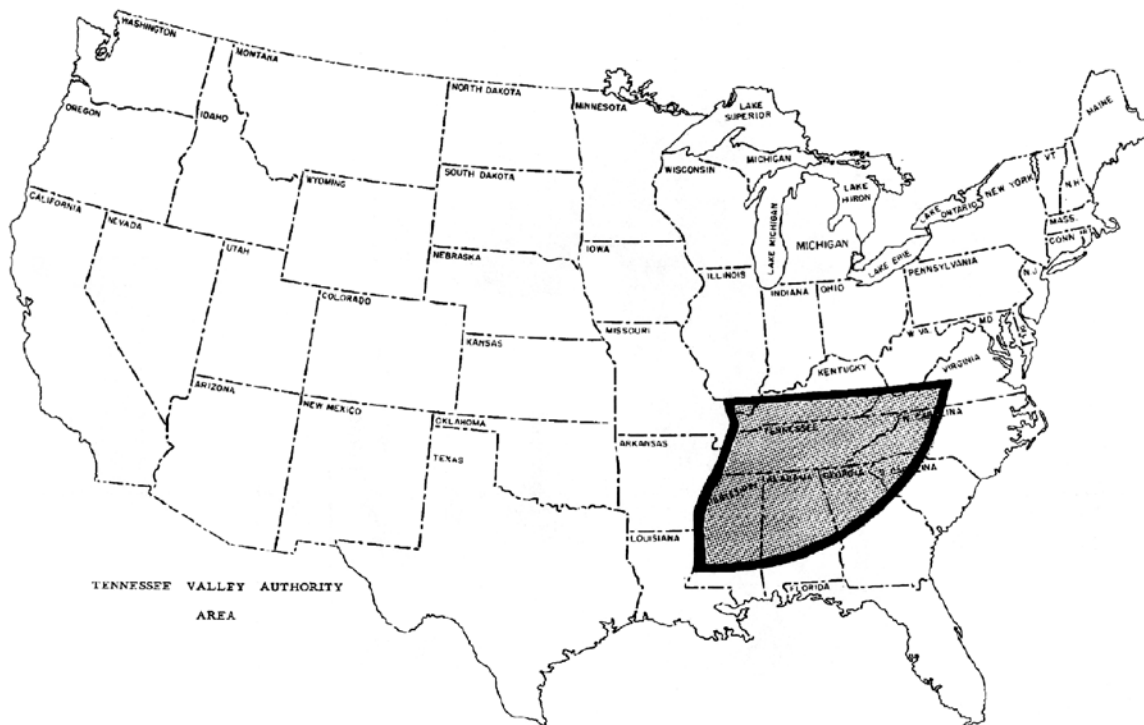


Figure 3: Coast Guard Districts

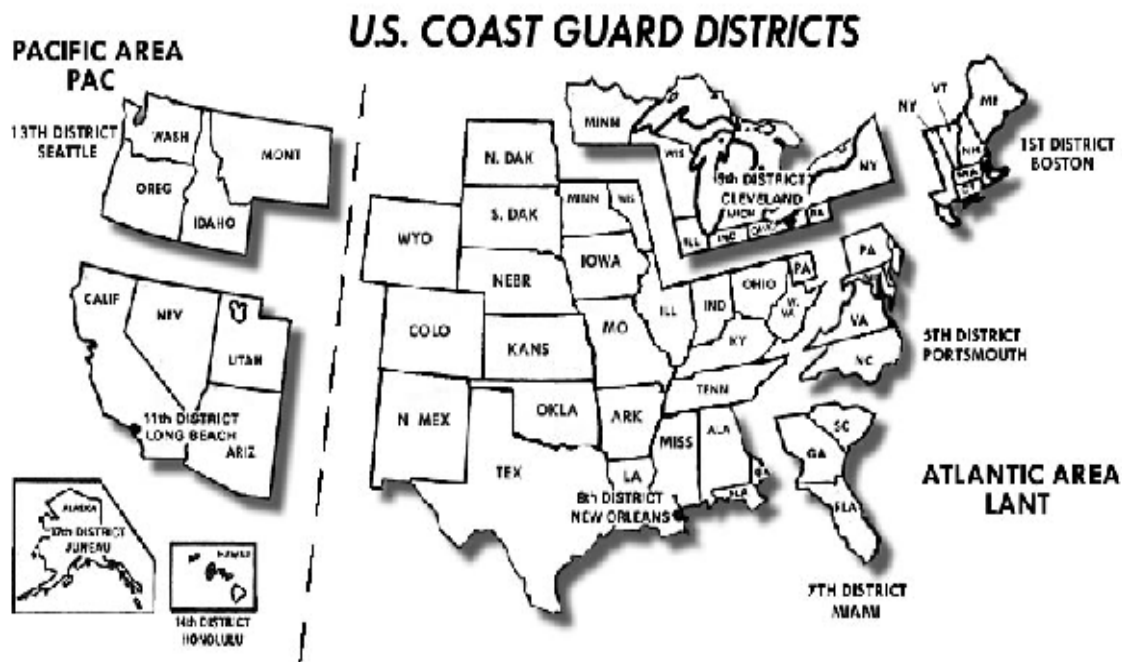


Figure 4: Navy-Marine Corps MARS Regions

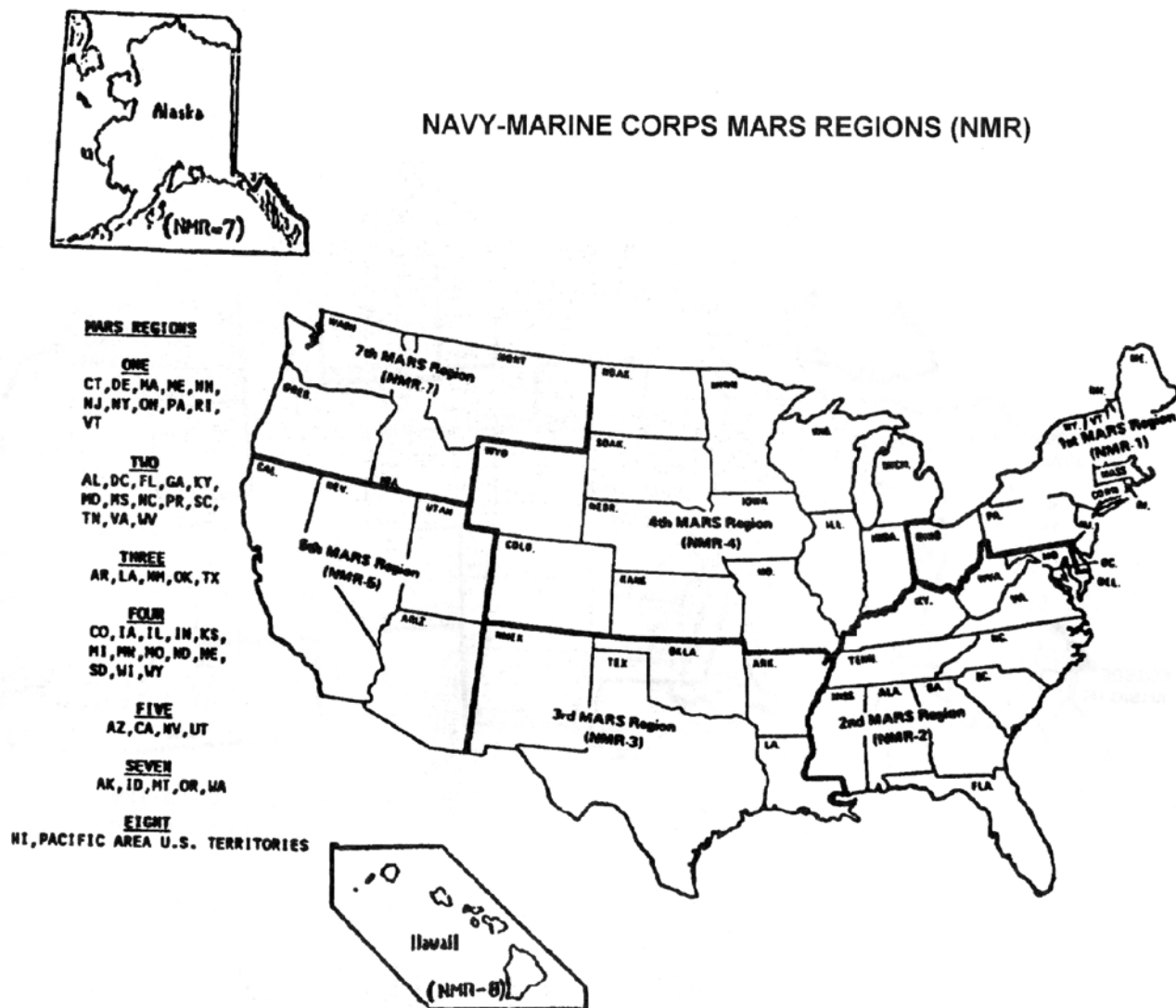


Figure 5: Army Area Coordinators

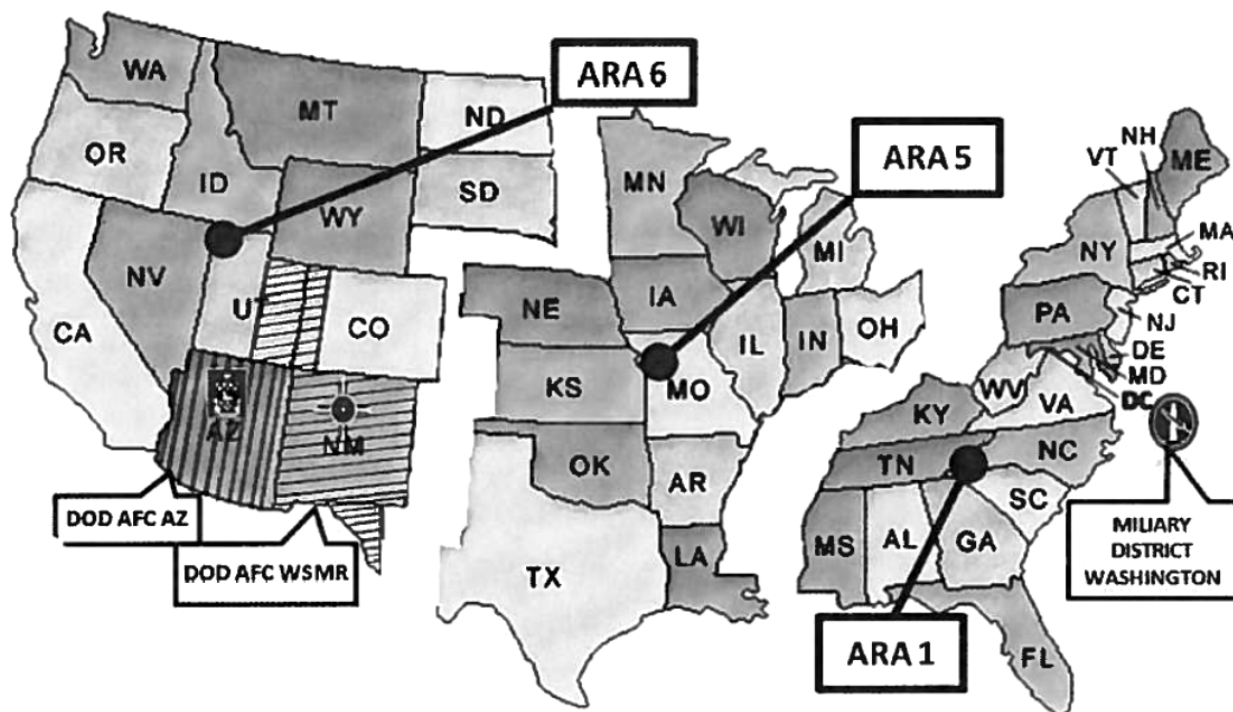


Figure 6: Army Area Frequency Coordinators

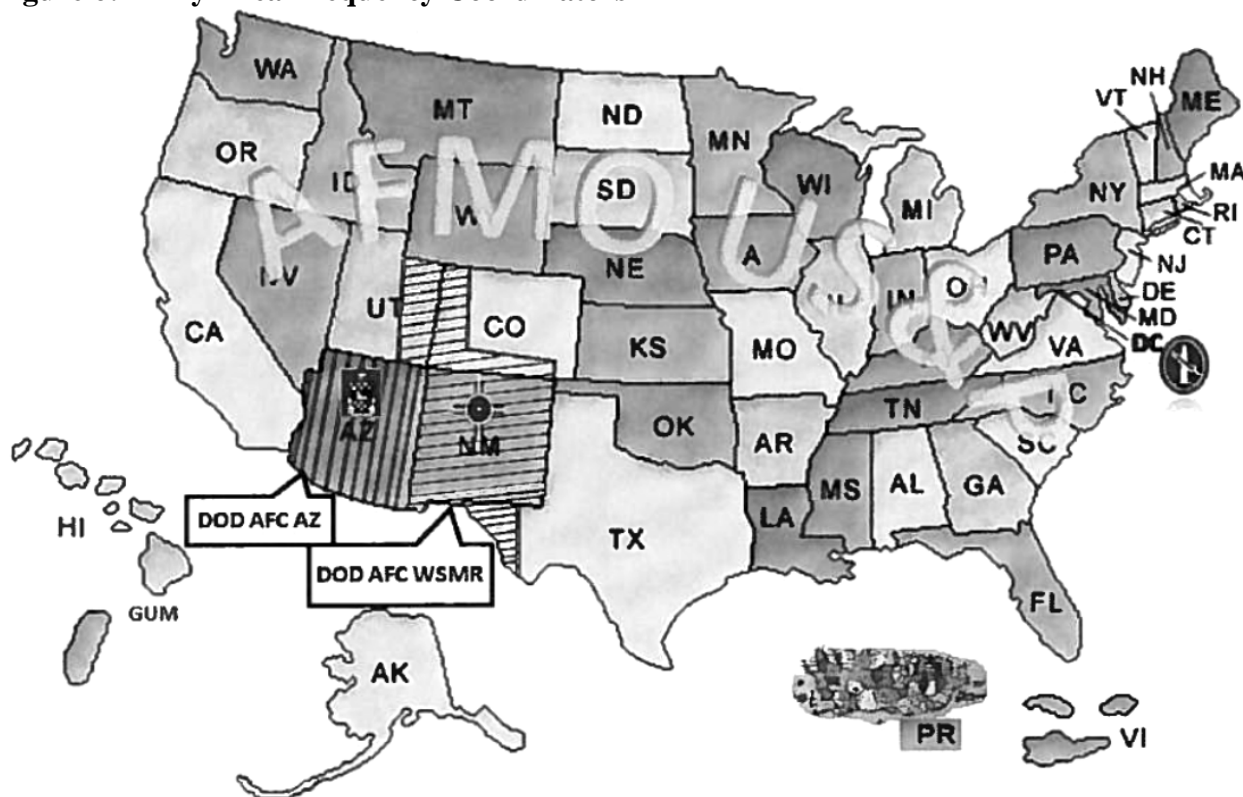


Figure 7: FAA Regions

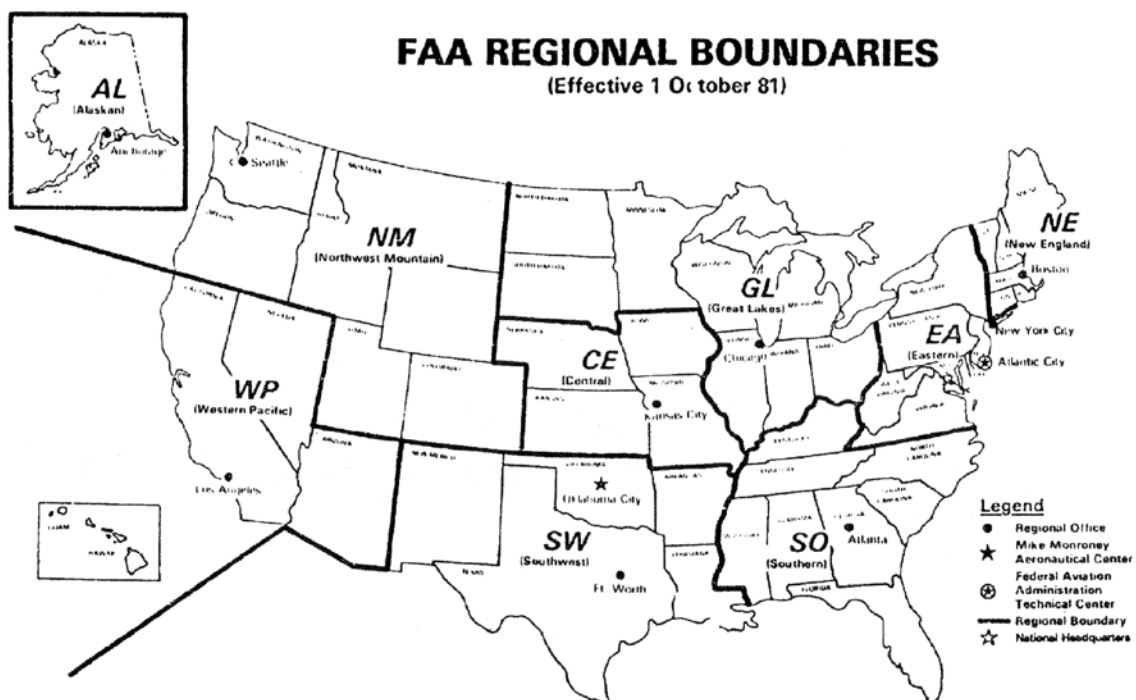


Figure 8: NRC Regions

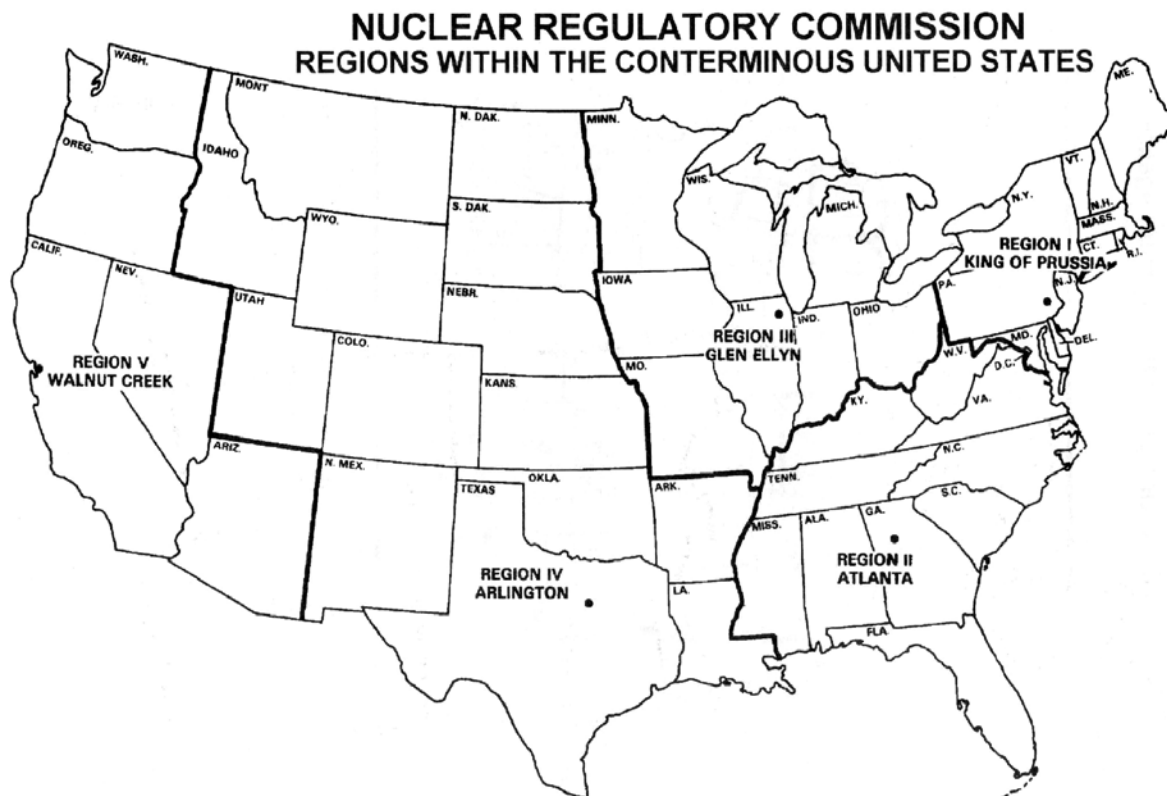


Figure 9: FEMA Regions



Figure 10: EPA Regions

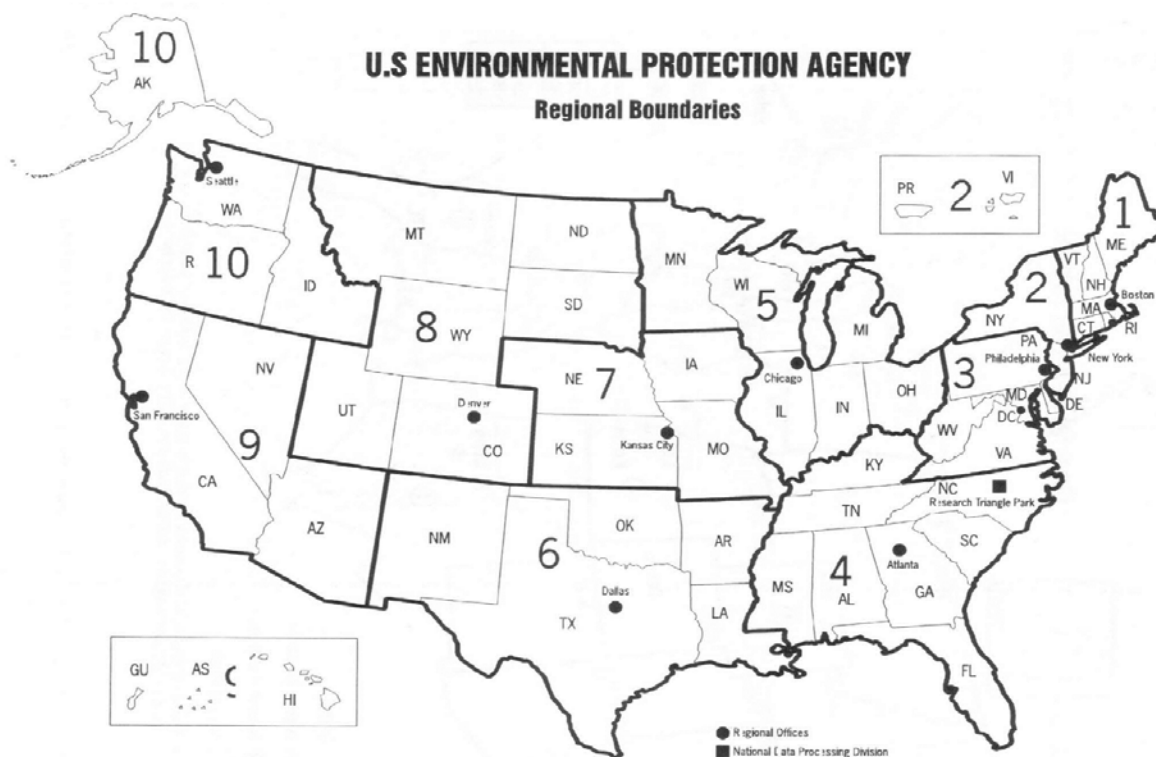


Figure 11: GSA Regions

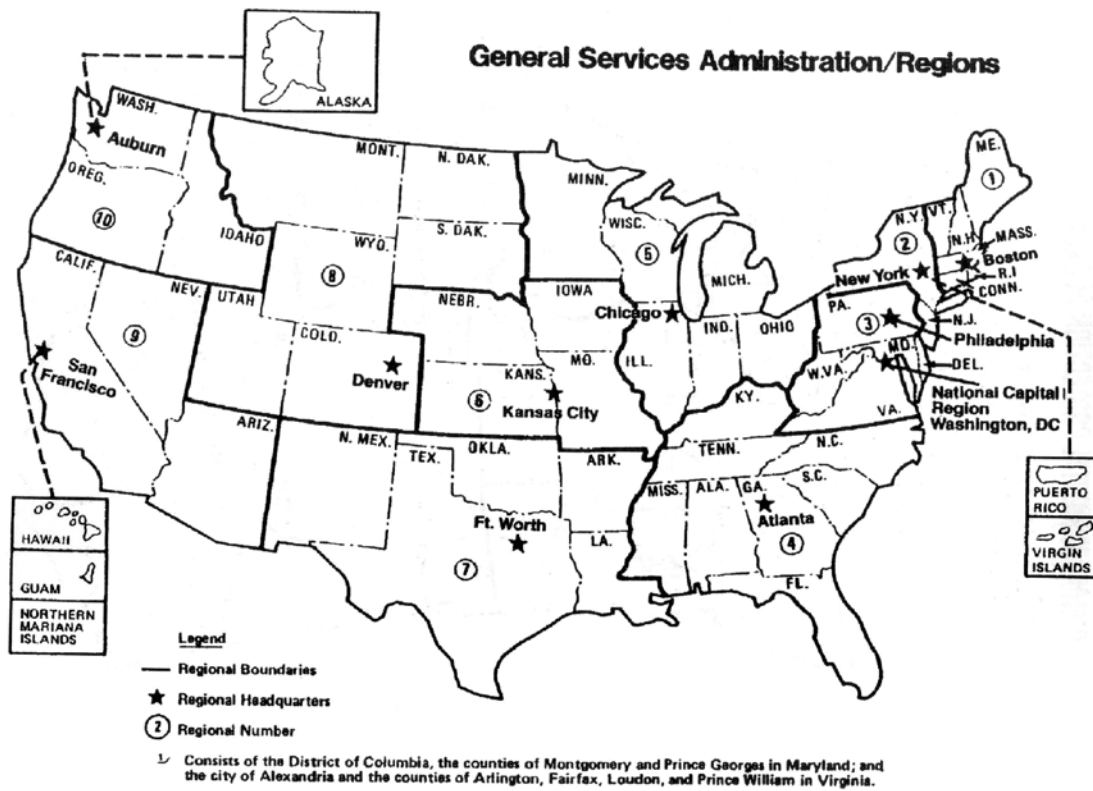


Figure 12: USAF Mars Regions

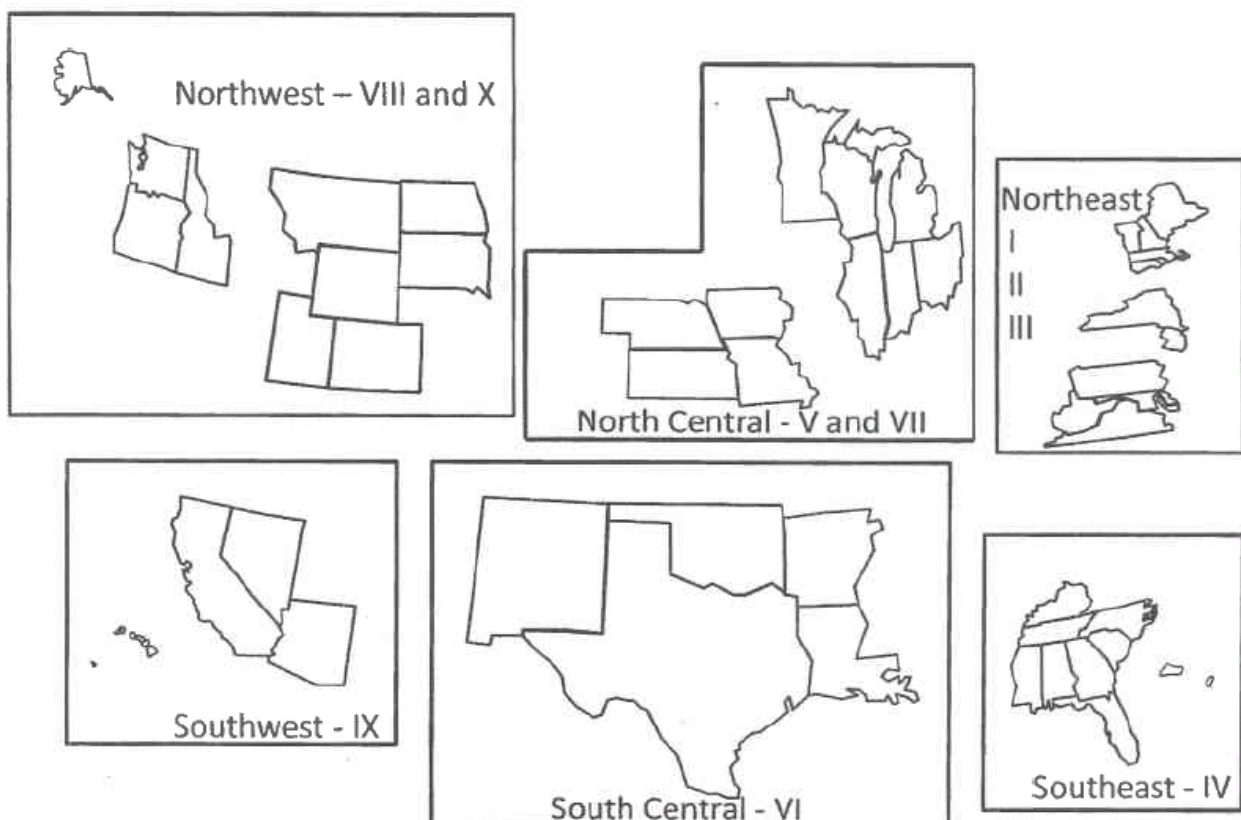
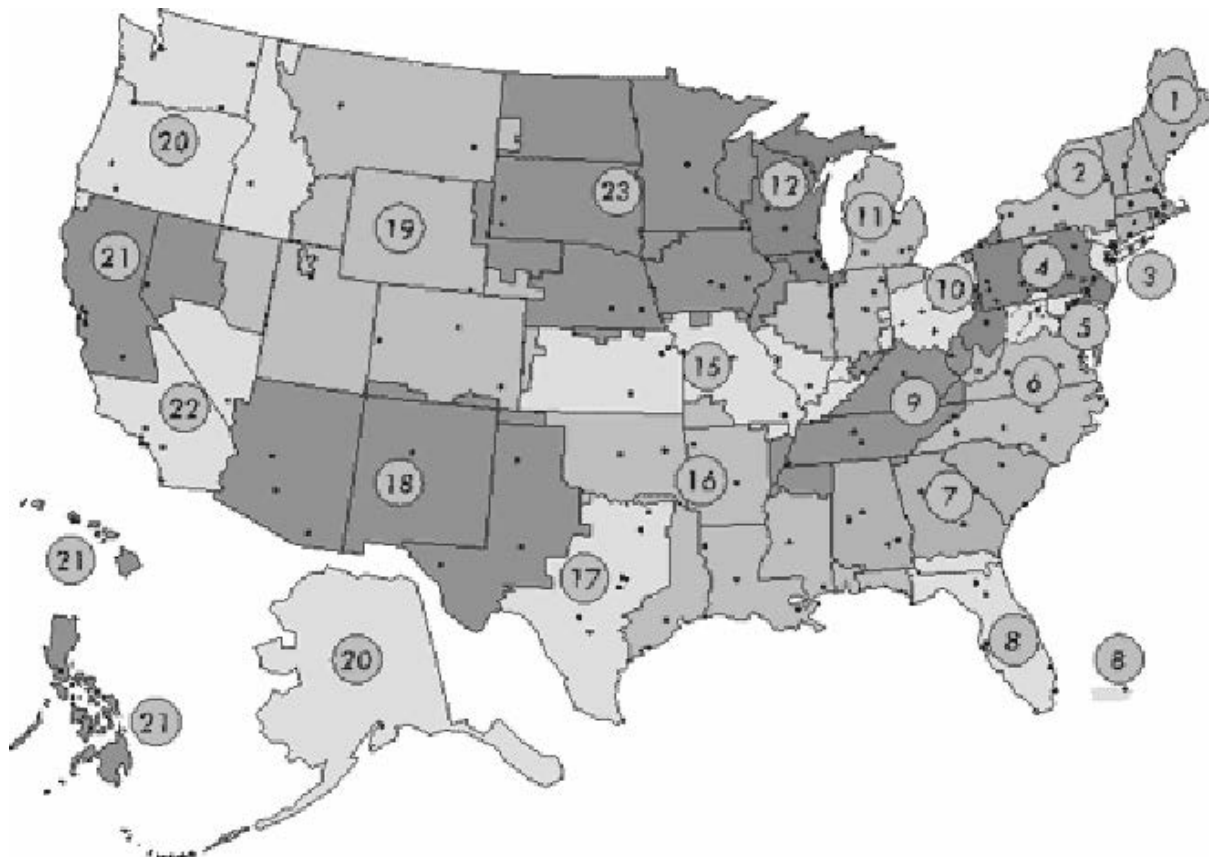


Figure 13: VA Health Administration Integrated Service Network by (VISN) by Boundaries



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		ACE	Aeronautical Communications Equipment Inc.
AAC	AACOMM, Inc.	ACI	Air Communications Inc.
AAI	Aircraft Armaments Inc.	ACP	Accipiter
AAO	Aero Astro LLC	ACR	Acrodyne or Acrodyne Industries Inc.
AAS	AES Corporation	ACT	ALCATEL
AAT	Airsys ATM	ADN	Advanced Navigation Inc.
ABN	Aruba Networks	ADS	General Electric/Astro Space Division
ACC	ACE Communications	ADU	Advanced Communications Systems Inc.

ADV	Audio-Vac	ATF	Advanced Techcom Inc.
AEC	Allied Electronics Corp.	ATI	Amerasia Technology Inc.
AEO	Aer-O-Com	ATM	Automation Inc.
AER	Aeronautical Electronic Inc.	ATN	Aviat Networks
AES	Aerosonic Corp.	ATT	American Telephone & Telegraph
AGI	Agilent	ATX	Advanced Training Systems
AGN	AGA Navigation Aids Limited	AUD	Audio-Sine, Inc.
AHI	Aleth Inc.	AUT	Audio-Technica US Inc.
AIC	Atmospheric Instrumentation Research Corp.	AVE	Aveillant
AID	Audio Intelligence Devices Inc.	AVI	Avitron Inc.
AIE	Aire-Sciences, Inc.	AVN	Aerovironment
AII	Atmospheric Instrument Research, Inc.	AVT	Avtek Co.
AIL	Airborne Instrument Laboratories	AWI	All Weather Inc.
AIM	Artemis Inc.	AYD	Aydin
AIO	AIRONET	AYI	Airport Systems International, Inc.
AIR	Aireon Manufacture Corp.	AZD	Azden, Inc.
AIS	Air Science Inc.	B	
AKL	Akela Corporation	BAC	Barry Research Corp.
ALC	Applied Research Corp.	BAD	BAE Systems
ALL	Allison Electronics	BAE	Barth Engineering & Mfg. Co.
ALN	Alenia Spazio	BAN	Belair Networks
ALO	ALINCO	BAO	Baofeng Ltd.
ALP	Aleph Inc.	BAR	Barrett Electronics
ALT	Altech Lansing	BBC	Black Box Corporation
ALV	Alva Radio Industries	BDW	BridgeWave Communications
ALX	Aeroflex Lintek Corporation	BEA	Becker Avionics
AMH	Amherst Systems, Inc.	BEG	Bendix/King Mobile Communications
AMK	Ameri-King Corporation	BEN	Bendix Corp. or Bendix Aviation Corp.
AMR	Amplifier Research Corporation	BER	Bertea Products or Bertea Corporation
AMS	American Systems	BEX	Bext Inc.
AND	Andrew Corp.	BLS	Balise
ANO	ANACOM	BMS	Broadcast Microwave Services
ANP	Antenna Products Co.	BOA	Boeing Aerospace
ANS	Antenna Specialists Co.	BOE	Boeing Aircraft
ANT	Arnet	BRG	BRG Precision Products
AOC	Air Associates Co.	BRI	Bristol Aerospace Ltd.
API	Applied Research, Inc.	BRK	Briartek Incorporated
APN	Applied Concepts	BRN	Baron Services
APO	Appareo Systems	BRT	Broadcast Electronics
APS	Applied Systems Engineering	BTI	Burle Technologies, Inc.
APT	Applied Technology	BUT	Butler National Corp.
ARA	ARTAIS Inc.	BVS	Berkeley Varitronics Systems
ARC	Aircraft Radio Corp.	BZR	Bonzer, Inc.
ARE	Atlantic Research Corp.	C	
ARJ	Aeronautical Radio Inc. or ARINC	CAB	Campbell Manufacture Company, Ltd.
ARM	Armstrong Transmitting Corp.	CAC	Cessna Aircraft Co.
ART	Allied Radio Shack	CAI	Communications Associates, Inc.
ARX	Artex Aircraft Supplies, Inc.	CAM	Cambium Networks
ARY	Airsys ATM Inc.	CAP	Communications Applied Technology
ASC	Astronics Corp.	CAR	Canadian Radio Corp.
ASE	Astral Electronics Inc.	CAT	Canadian Telephone Co.
ASG	Allied Signal Commercial Aviation System	CAV	Cavotec Microcontrols
ASI	Alto Scientific Inc.	CAW	CalAmp Wireless Network Corporation
ASM	Astromarine Products Corp.	CBE	Crown Broadcast Electronics
ASP	A/S S.P. Radio	CBM	CBM Electronics
AST	Astro Communication Laboratories or Astaron Electronics Ltd.	CCB	Control Chiefs, Inc.
ASY	Antenna Systems Inc.	CCC	Cadion Communications Corp.
ATC	Astro Telecom Corp.	CCD	Control Industries
ATE	Advanced Tech Talk	CCF	Coastal Climate Company
		CCI	Communications Carriers, Inc.

CCJCommunications Co., Inc.

CCP Continental Electric Corporation
CDD Combat Direction Systems Activity Dam Neck
CDN Cardian Electronics
CDP Codan Pty, Ltd.
CDS Cubic Defense Systems
CEG Ceragon Networks Inc.
CEL Colorado Electronics
CEM Continental Electronics Manufacturing Co.
CEO Celesco Industries
CER Centry Research Corp.
CET CETEC Vega
CFM California Microwave
CHM Chesapeake Microwave
CIC Cubic Industrial Corp.
CIN Cincinnati Electronic Corp.
CIS Cisco
CLN Ciello Networks
CLO Ciello Digital Radios
CLU Campbell Scientific Inc. Of Logan Utah
CMI CMI, Inc.
CMO Canadian Motorola
CMU Communitronics Ltd
CNC Conic Corp.
CNI Contraves Italiana
COA Communication Specialities
COB Cobra
COC Communication Co.
COI Comtech Lab, Inc.
COL Collins Radio Co.
COM Comrex
CON Continental Electronics, Ltd.
COP Communications Products Co.
COS Cosser Electronic
COU Courier Communications, Inc.
CPI CPI, Communications
CRB Commercial Resources Communications
CRP Concord Electronics Corp.
CRT Cartwright Electronics Inc.
CRU Cruise Technology
CSC Customs Signal Corp.
CSI Control Science, Inc.
CSP CSpeed
CTL Crescend Technologies LLC
CTM Continental Microwave & Tool Co.
CTR Cattron, Inc.
CTW Commtech Wireless
CUB Cubic Co.
CUS Cush Craft
CWE Comwave
CWI Cartwright, Inc.
CYB Cybermation

D

DAE Davco Electronics Inc.
DAN Daniels Electronics Limited
DAT Data Control Systems
DBM Three DBM Systems
DCE Decatur Electronics, Inc.
DCI Defense Communications Engineering Inc.
DCM Delcom

DCT De Tect, Inc.
DEA Decca Radar Ltd. UK
DEC dbSpectra Systems
DEL Del Mar Avionics
DES Delstar Corp.
DET Detroit Bullet Trap Co.
DIG Digital Radio
DII Digi International Inc.
DIT Digitize, Inc.
DIX Dixon Industries Corp.
DLN Del Norte
DMC Digital Microwave Corp.
DMI Data Marine International
DNT Del Norte Technology, Inc.
DOR Dorsett Laboratories
DOS Dorsett Electronics Division (LaBarge, Inc.)
DRA Drake RF Co.
DRI Decca Radar, Inc.
DRK Data Radio Corp.
DRS DRS Technologies
DSI Delta Sigma Inc.
DSY Defense Systems, Inc.
DTC DTC Communications
DTE Daytong Electronics, Ltd.
DTM Datum
DTW Datawell
DWI DragonWave Inc.
DXR DX Radio Corp.
DYC Dynamic Communications
DYS Dynascan Corp.
E
EAD European Aeronautic Defense and Space Co.
EAI Elta-Ashdod Israel
EAR Earmark, Inc.
ECL Eaton Corp. AIL DIVN.
ECR Edcor
EDO EDO Corp.
EDR EDO Aire
EEE EMCEE, Co.
EFD EF Data
EGX Energy-Onix
EIP Electromatic, Inc.
ELA Ellason
ELM Electronic Material International, Ltd.
ELS Electromagnetic Sciences, Inc.
EMA Electro Magnetic Sciences Co.
EMC Electronics Missiles Communications, Inc.
EMH Electro-Mechanics Co.
EMI Cossor Electronics Ltd. or EMI Marine Division
EMR Electro Mechanical Research, Inc.
ENI Electronic Navigation Instruments
EPS EPSCO, Inc.
ERA Ericsson, L.M. Ltd.
ERD Emhiser Rand
ERI Electronics Research Industries
ERN Erichson
ERX Emhiser Research, Inc.
ESC Esco
ESD ESL, Inc.
ESE Electronic System Technology

ESI	Energy Systems, Inc.	GRC	General Radio Co.
EST	Electric Service Co.	GRO	Ground Data Corp.
ETE	Enterprise Electronics, Inc.	GRT	General Radiotelephone Co.
ETR	Ecatek, Inc.	GYE	Glenayre
ETS	Electronic Systems Technology	H	
EWR	EWR Weather Radar Systems	HAC	Harris Corp.
EXA	Exalt Communications Inc.	HAD	Harris Aerospace Systems Div.
EXI	EXICOM New Zealand, Ltd.	HAN	Handar Company
EXT	Executone, Inc.	HAR	Harvey Radio Laboratories, Inc.
F		HDS	Household Data Services, Inc.
FAA	Federal Aviation Administration	HEL	Hermes Electronics
FAL	Frant, Alan I.W.	HEP	Hewlett Packard
FAP	Fran Air Products Co.	HFI	Harris Farinon, Inc.
FAR	Farnsworth TV Radio	HFR	Haigh-Farr, Inc.
FAS	Ford Aerospace Corp.	HIC	Harris Intertype Corp.
FEC	Farinon Electric	HII	Herley Industries
FER	Ferguson Communications, Inc.	HIS	Highway Information Systems, Inc.
FFS	Free Flight Systems	HIT	Hitec RCD Inc.
FGI	Fleetwood Group, Inc.	HME	Hartman Marine Electronics Corp.
FLL	Flight Refuel, Ltd.	HMI	HM Electronics, Inc.
FLR	FLIR Systems Inc.	HMS	Herley Microwave Systems
FLT	Flite-Tronics	HNS	Hughes Network Systems
FMI	Farinon Microwave	HON	Honeywell
FOR	Fort Worth Tower Co.	HOR	Horizon
FOT	Fortress Technologies	HRC	Henry Radio Co.
FRF	FRF Communications	HRS	Hendy Radio Service
FRW	Freewave Inc.	HSA	Hallands Signal Attaraten
FSG	Futurecom Systems Group Inc.	HSC	Hawkeye Systems Corp.
FUJ	Fujitsu Tem Corp. of America	HSI	Hi Sierra
FUR	Furuno	HTI	Hamtronics, Inc.
FUT	Futaba	HTS	HT Systems
G		HUG	Hughes Aircraft Co.
GAA	General Atomics Aeronautical Systems	HUL	Hull Electronics Co.
GAE	General Aviation Electronics	HYD	Hydrolinx
GAI	Garmin International	HYE	Hy-Gain Electronics Corp.
GAL	Granger Associates, Ltd.	HYP	Hyperlink Technologies
GAT	Gates Radio Co.	HYT	Hytera America
GDE	General Dynamics/Electronics	I	
GDI	Godfrey Engineering, Inc.	IBM	International Business Machine Co.
GEC	GEC Telecommunications, Ltd.	ICM	ICOM
GEL	General Electronics Laboratories, Inc.	ICO	International Corp.
GEM	Gem Marine Products	ICS	Industrial Comm Systems
GEN	General Electric Corp.	ICX	ICX Technologies
GEP	Genesys Systems	IEC	IEC Electronics Corp.
GEV	Genave	IFR	Instrument Flight Research Corp.
GIC	General Instrument Corp.	ILS	International Laser Systems, Inc.
GIT	Georgia Institute of Technology	IMC	International Microwave Corp.
GLB	GLB Electronics, Buffalo, N.Y.	IMR	Imsar LLC
GLM	Global Microwave Systems	IMS	International Meteorological Systems
GMC	General Motors Corp.	INC	INTRAC
GME	General Microwave Services	INE	Intech, Inc.
GMI	General Microwave Corporation	INT	Interstate Electronics Co.
GMS	Galaxy Micro Systems, Inc.	IRC	Islip Radio Corp.
GMW	Global Microwave, Inc.	IPW	IP Wireless
GNI	GPS Networking Inc	ISC	International Signal Control
GON	Gonset Corp. or Gonset Division of Aerotron or Dumont Division of Gonset	ISS	Information Station Specialist
GPS	GPS Source Inc.	ITF	ITT Defense Communications
GRA	Granger Associates or Bauer Broadcast Division of Granger	ITG	ITT Gilfillan
		ITM	ITT Mackay Marine
		ITO	ITT Aerospace/Optical

ITP	International Telephone & Telegraph Corp. or ITT Industrial Products	MAE	Marine-Air Systems, Ltd.
ITS	ITT Standard	MAG	Magnavox Co.
ITT	ITT Federal Laboratories	MAM	M/A COMM MAC
J		MAR	Mark Products Co.
JDE	John Deere	MAS	Mid American Relay Systems
JDT	Johnson Data Telemetry Corp.	MAX	Maxson Electronics Corp. (Electronics Design)
JEP	Jet Propulsion Laboratory	MBE	Marcel Bassaulet Electronics
JER	Jerrold Electronics Corp.	MBR	Malibu Research
JHU	Johns Hopkins University	MCA	Microair Avianics Pty Ltd
JOH	Johnson E.F.	MCC	Microcom Corp.
JRC	Japan Radio Co.	MCE	Micro Electronics
JTC	Janteq Corp.	MCI	Marconi Radio
K		MCJ	Marconi Electronics
KAR	Kaar Engineering	MCL	Microwave Cavity Laboratory
KDK	KDK Inc.	MCN	Morris Communications Co
KED	Kenwood	MCO	Micro Communications Co.
KEL	Kelvin Hughes, Ltd.	MCS	Micronetics
KEN	Kennedy Co.	MCT	Micro Control Specialities
KFE	K-F Electronics	MDC	Microdyne Corp.
KIG	Kingfisher	MDH	Madah-Com
KIN	King Radio Corp.	MDM	Microwave Design Manufacturing, Inc.
KOD	Koden America, Inc	MDS	Metrodata Systems
KRA	Kraft Systems	MDY	Microwave Data System
KTI	Keltec Industries	MET	Metrotek Electronics Co.
KUS	Kustom Signal Corp.	MTX	Morfax, Ltd.
KUX	Kustom Electronics Inc.	MGD	Meggitt Defense Systems
L		MGI	Megapulse, Inc.
LAB	La Barge, Inc.	MGT	Magnetek
LAC	Loea Corporation	MHR	Minneapolis Honeywell Regulator
LAN	Lance Antenna Corp.	MHS	Microhard Systems Inc.
LAR	Largo Electronic Manufacturers Inc.	MIB	Mitsubishi Denki Co. or Mitsubishi Electric
LCA	Univ. of Lowell Center for Atmospheric Research	MIC	Microdot, Inc.
LDS	Loral Data Systems	MID	Microfix Instruments, Ltd.
LEA	Lear, Inc.	MIE	Mitre Corporation
LED	Lucas Ledex	MIL	Micro-Link Corp.
LEN	Lenkurt Electric Co.	MIN	Midland Int'l. Corp.
LET	Lectrosonics, Inc.	MIT	Minatronics Corp.
LII	Litton Industries	MIW	Microwave Associates, Inc.
LIL	Lincoln Laboratory	MKY	Mackay Radio-Telegraph Co.
LLL	Lawrence Livermore Laboratory	MLR	R. A. Miller Industries
LMB	Lambda RF Systems	MMA	Martin Marietta Air Space
LNR	LNR Communications, Inc.	MML	Micromil Electronics, Ltd.
LOA	Los Alamos National Laboratories	MMT	Millimeter Wave Technology
LOC	Lockheed Electronics	MNE	Mnemonics Inc.
LOE	Loral Electronics Corp.	MNI	Microwave Network, Inc.
LOM	Lockheed Martin Astro Space	MNO	Microwave Innovations
LOR	Lorrain County Radio Corp.	MNT	Montec (Divn of E-Systems)
LOS	Lockheed Sanders, 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
LTC	L-3 Communications	MOO	Moog Inc
LUC	Lucos Air Space	MOT	Motorola Corp.
LUM	Lumistar	MOX	Mobile Communications
LUX	Luxul Corporation	MPH	MPH Industries, Inc.
LYN	Lynch Communications Systems, Inc.	MPI	Microwave Products, Inc
M		MPN	Multipoint Network
MAB	M/A Comm AC, Inc.	MRC	Midwest Radio Corp.
MAC	Marconi Instruments, Division of English Electronics	MRE	Monicor Electronics
		MRF	Mid-Atlantic RF Systems

MRR	Marti	PHI	Philco Corp.
MRS	Micro Systems, Inc.	PLE	Plessey Company, Ltd. (UK)
MRT	Marti Electronics	PMH	Pacific Microwave Research
MSD	Marconi Space and Defense Systems	PMX	Primex Wireless Clock System
MSY	Meteric Systems Corp.	POE	Pointer Electronics
MTI	Mobile Telesystem, Inc.	PPI	Peter Pepper Inc.
MTK	Metek GMBH	PRI	Polytronics Research, Inc.
MTN	Monitron Corp.	PRL	Polar Research Lab.
MTR	Meteor, Communications Corp.	PRO	Podelin, Inc.
MTS	Mobile Telesystems	PRT	Pitchard Brown
MUT	Multitone Electronics, Ltd.	PRX	Poxim
MVI	M/A-COM Video Systems, Inc.	PSI	Planning Systems Incorporated
MWB	Microwave Bypass Systems	PST	Pwer Systems Technology, Inc.
MWI	Microwave Innovations	PTI	Ptection Technology, Inc.
MWO	Microwave Radio Corp.	PTK	PTEK Corporation
MWS	Microwave Sensors	PYR	Pyramid Co.
MWT	Marconi Wireless Telegraph Co., Ltd.	Q	
MXN	Maxon Electronics, Inc.	QEI	QEI Corp.
N		QEN	Quadrant Engineering, Inc.
NAU	Nautel	QUA	Qualimetrics Corp.
NAV	Naval Avionics	QUC	QALCOMM
NCC	Nutex Communications Corp	QUI	Quintron Corp.
NEA	NEC America, Inc.	QUS	Quasonix Systems
NEC	Nemsclarke	QUT	QUALI-TRON
NER	Nera	QWC	Quarterwave Corp.
NEU	Neulink, Divn of Celltronics	R	
NMT	New Mexico Tech	RAC	Racal Communications, Ltd.
NOC	Northrop Corp.	RAD	Radiation, Inc.
NOI	Nokia	RAE	Racal Electronics, Ltd.
NOR	Northeast Medal Industries	RAG	Radian Corp.
NOV	Nova-Tech/Avionics or Nova Tech Inc.	RAI	RADA Electronics Industries
NRA	Northern Radio Co. or Northern Electronic Co.	RAJ	Ray Jefferson Co.
NRB	NARCO	RAM	Raymarine Inc.
NRC	National Aeronautic Corp.	RAN	Rantec Corp.
NSI	Nady System, Inc.	RAS	Radio Shack
NSM	News And Sports Microwave	RAV	Raveon Technologies
NUC	Nucomm	RAW	Radwin
O		RAY	Raytheon Co. or Raytheon Manufacturing Co.
OAI	Oklahoma Aerotronics, Inc.	RCA	Radio Corporation of America
OAO	OAO Corp.	RCE	R3 Engineering
OAR	Ocean Applied Research Corp.	RCN	Racon, Inc.
OCA	Obstruction Collision Avoidance System Inc.	RDA	Radair, Inc.
OMN	Omnitek	RDE	Radtec Engineering
OPH	Ophir	RDL	Redline Communications, Inc
OPS	Opos Electronics	RDN	Raydyne, Inc.
OSC	Orbital Sciences Corp.	RDR	RDRTec Inc
OTX	Omni Tronix	RDW	Radio Waves Inc.
P		REG	Ross Engineering
PAD	Pacific Advanced Engineering, Inc.	REI	Regency Electronics, Inc.
PAE	Park Aire Electronics	REL	Radio Electronics Laboratories
PAS	Park Air Systems	REP	Repco, Inc. or R.G.P. Co.
PAU	Pauldon	REU	Reutech
PAV	PAVCO	RFC	RF Communications Associates, Inc.
PCM	Pacific Communications	RFE	Rafael
PCR	Pacific Crest Corp.	RFI	Radio Frequency Communications, Inc.
PCS	Proportional Control Systems	RFT	R. F. Technology
PDL	Paradise Datacom LLC/LTD	RGC	Ranger Communications
PEA	Pearce Simpson, Inc.	RHG	RHG Electronics Laboratories
PEG	Peninsula Engineering Corp.	RIE	Rockwell International Electronics
PFE	Professional Electronics	RIT	Ritcon, Inc.

RMC	Relm Communications, Inc.	SNC	Sierra Nevada Corp.
RMT	Remotec, Inc.	SNI	Seamarine International
RMX	Radiometrix	SNS	Senstar Corp.
ROC	Recon Optical, Inc.	SOA	Southern Avionics
ROE	Robinson Engineering Co.	SON	Sonar Radio Corp.
ROS	Rohde Schwarz	SOV	Soviet Manufactured Equipment
ROT	Rothenbuhler Engineering	SOY	Sony
RQM	Racon, Inc. Quality Microwave	SOZ	Southcom International, Inc.
RRC	Radio Receptor Co.	SPA	Spar Aerospace, Ltd.
RSI	Radio Systems, Inc.	SPB	System Planning Co.
RSM	Radio Specialty Manufacturing	SPD	Sperry Corp.
RSS	RS Systems, Inc.	SPE	Space Electronics
RTK	REFTEK	SPI	Spirent
RTL	RT Logic	SPN	Sparton Electronics
RTR	Ritron, Inc.	SPO	Spotter RF
RWC	Rockwell, Collins	SPR	Sperry Corp. or Servo Corporation of America
S		SPZ	Sperry Marine Systems
SAB	SAAB	SQA	Square D Co.
SAC	Sabre Communications Corp.	SQL	Spacequest LTD
SAD	Sandia Corp.	SRC	Schuberth Rider Communication
SAL	Salco Manufacturing Co.	SRM	Sierra Monolithics, Inc.
SAT	Sarkes Tarzian, Inc.	SRS	Scientific Radio Systems, Inc.
SCA	Scala Radio Corp.	SRU	SATEL Radio USA
SCC	Secode Corp.	SSA	Selex Sensors and Airborne Systems Ltd.
SCI	Scientific Atlanta Co.	SSN	Sensis Corp.
SCM	SCM Melabs, Inc.	SSR	Sensor Systems
SCN	Scintec Corporation	SST	Surrey Satellite Technology
SCT	Science Applications International Technology, Inc.	SSY	Stellar System
SCX	Sensor Concepts Inc.	STA	Standard Electronics
SDC	Space Data Corporation	STB	Standard Communications
SDI	Safety Devices, Inc.	STC	Sagotech Corp.
SEA	Sears Roebuck Co.	STD	Standard Elektrik Lorenz
SEC	Struthers Electronics Corp.	STE	Stephenson
SEI	Seiscor Manufacturing Co.	STM	ST Microwave
SEL	Selenia S.P.A. (Italy)	STR	Stromberg Carlson Products Co.
SEM	Seatron, Inc.	STS	Standard Electrica S.A.
SEN	Sennheiser Electronic Corp.	STW	Stewart Warner Corporation of Canada, Ltd.
SEO	SEMCO	STX	SI-Tex Marine Electronics, Inc.
SEP	Shakespeare Electronic Product Group	STY	Sensor Technology Systems, Inc.
SER	Servo Corp. of America	SUM	Summers & Mills
SFC	Safecom (Radionics)	SUN	Sunair Electronics, Inc.
SFI	Stanford Telecommunications, Inc.	SUR	Sur-Tec, Inc.
SGC	Sperry Gyroscope Company of Canada, Ltd.	SUT	Sutron Co.
SHU	Shure Brothers, Inc.	SWM	Southwest Microwave Co., Inc.
SIC	SRI International	SWR	Southwest Research Institute
SID	Sierra Digital	SYA	Syracuse Research Corp.
SIE	Sierra Electronic Division of Philco	SYE	Systems Engineering & Management Corporation
SIG	Signal Communications	SYL	Sylvania Electronics Defense Laboratory or Sylvania Electronics Products
SIH	Siemens-Halske	SYN	Synergetics
SII	Sirit Corp	SYS	Systron Donner Corp (Demornay Bonardi)
SIL	Silvus Technologies Inc.	T	
SIM	Simpson Electronics	TAC	Technical Appliance Corp.
SIN	Spectrum Communications, Inc.	TAE	Tait Electronics, Ltd.
SIP	Sippian Ocean Systems	TBL	Trimble Navigation
SIR	Sitra	TBN	Tayburn
SMN	Summation Research, Inc.	TCD	Techdyn Systems Corp.
SMO	Sierra Misco	TCM	TCOM Industries, Inc.
SMT	Samson Technologies Corp.	TCT	Transcidtronic
SMW	Southern California Microwave		

TDC	Teledyne T/M Co.	TTS	Telesciences Transmission System, Inc.
TDI	TeleDesign	TTT	Tactical Technology, Inc.
TDL	Tidelands	TWT	Trellisware Technologies Inc.
TDY	Tele-Dynamics	TYC	Tycho-Tech
TEC	Telviso Electronics	U	
TED	Teldex	UDN	Uniden
TEI	Texas Instrument, Inc.	UNI	Univac Corp.
TEL	Telrex Laboratories	UNS	Unisys Corp.
TEN	Teletronix Engineering Co.	USE	Use Corporation
TEO	Telemotive	USN	Universal Space Network Inc.
TEP	Tepco Corp.	V	
TEQ	Tenna Corp.	VAI	Vaisala
TER	Terra-Com	VAL	Valcom, Ltd.
TES	Technisonic Industries	VEC	Vector Manufacture Co.
THA	Thales ATM	VEG	Vega Electronics Corp.
THC	Thomson CSF	VER	Versa-Count
THY	Technology Service Corp	VEX	Vertex Communications Corp.
TIA	Television Technology Corp.	VHF	VHF Engineering Co.
TIE	Tel Instrument Electronics	VIA	Victoreen Instrument Co.
TII	Teledyne Industries, Inc.	VIL	Vitel
TIL	Transcript International	VIS	Visual Manufacturing Division
TIM	Time Domain Corporation	VIT	Vitro Electronics
TIN	Telinstrument Co.	VIX	Vista Manufacturing Co.
TIS	Tadiran Israel Industries, Ltd.	VIZ	VIZ Corp.
TKL	Teklogix, Inc.	VST	Viasat Technologies Co.
TKM	TEK Mark Company	VSX	Visiplex
TKT	Turnkey Technology	VTC	Vectran Corp.
TLA	Telonica Corp	VTX	Vortex Systems
TLC	TRT Groupe	VYT	Vytek, Inc.
TLF	Telefunken Gmbh.	W	
TLP	Telephonic Corp.	WAT	Washington Technological Assn., Inc
TLR	Telline Radio	WAV	Wavetek
TLX	Telex Co.	WBL	Weibel Scientific, Inc.
TMA	Tampa Microwave	WEI	Ward Electronic Industries
TMC	Technical Materiel Corp.	WES	Westinghouse Electric Co.
TMD	TMC Systems & Power Corp. or Telemotive Division of Dynascan	WHD	Windermere HDS
TMR	Terma Elektronik	WHE	Whelen
TNC	Technocom	WIL	Wilcox Electric Corp.
TNS	Telonics	WIN	Wind Data
TOA	Townsend Associates	WJO	Watkins Johnson Co.
TPL	Technology Proprietary, Ltd.	WLC	Wilson Electronic Corp.
TRA	Transco Products, Inc.	WMX	Western Multiplex Corporation
TRB	Trans World Communications, Inc.	WOD	Wood and Douglas
TRC	Terrasat Corporation Inc.	WRL	World Radio Laboratories
TRI	Tracor, Inc.	WUL	Wulfsberg Electronics
TRM	Tram/Diamond Corp.	X	
TRN	Tran-Com	XCM	Xicom Technology
TRP	Tri-Com, Inc.	XON	Xontech, Inc.
TRW	TRW Electronics	XTR	Xetron Corp.
TRZ	Travelers Information Services, Inc.	Y	
TSB	Transcience	YDI	Yarnell Data, Inc.
TSC	Teledyne Systems Co.	YEA	Yaesu
TSI	Tactical Systems, Inc.	Z	
TSS	Telesystems, Inc.	ZDS	Zodiac Data Systems
TTC	Titian Corp.	ZEP	Zephyrus
TTG	Telectronics Technology Corporation	ZET	Zeta Laboratories
TTK	Tron-Tek, Inc.		

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	MONOPLARRY
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

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