

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 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 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 Industry and Security	BIS
	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

Agency	Bureau	Abbreviation
	Indian Health Services	IHS
	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 Seismic	GG
	Geological Survey - Geologic Division Earthquake	GGE
	Geological Survey - Geologic Division Volcano	GGV
	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

Agency	Bureau	Abbreviation
	Bureau of Land Management - Arizona	LAZ
	Bureau of Land Management - California	LCA
	Bureau of Land Management - Colorado	LCO
	Bureau of Land Management - Idaho	LID
	Bureau of Land Management - Montana	LMT
	Bureau of Land Management - Nevada	LNv
	Bureau of Land Management - New Mexico	LNm
	Bureau of Land Management - Oregon	LOR
	Bureau of Land Management - Utah	LUT
	Bureau of Land Management - Wyoming	LWY
	Bureau of Land Management - Eastern States	LESO
	Bureau of Land Management - Denver Federal Center	LDfC
	Bureau of Land Management - National Training Center (PHX)	LNtC
	Bureau of Land Management - National Fire Center (Boise)	LNfC
	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

Agency	Bureau	Abbreviation
	Integrated Wireless Network	IWN
	Justice Management Division	JMD
	Justice-Wide (including Offices, Boards, and Divisions of the Department)	JW
	Justice Wireless Network	JWN
	U.S. Marshals Service	M
Labor, Department of		L
Library of Congress		LC
National Aeronautics and Space Administration		NASA
	Ames Research Center	ARC
	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	NY	New York
AL	Alabama	OH	Ohio
AR	Arkansas	OK	Oklahoma
AZ	Arizona	OR	Oregon
CA	California	PA	Pennsylvania
CO	Colorado	RI	Rhode Island
CT	Connecticut	SC	South Carolina
DC	District of Columbia	SD	South Dakota
DE	Delaware	TN	Tennessee
FL	Florida	TX	Texas
GA	Georgia	UT	Utah
HI	Hawaii	VA	Virginia
IA	Iowa	VT	Vermont
ID	Idaho	WA	Washington
IL	Illinois	WI	Wisconsin
IN	Indiana	WV	West Virginia
KS	Kansas	WY	Wyoming
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		

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	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. (The FEMA map is an exception as it shows 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 (no Figure)

The coordination of unclassified frequencies will be done through the FAA WebFCR web portal located at <https://webfcr.faa.gov> (see Annex D).

G.3.8 NRC Regions (see Figure 7)

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 8)

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 9)

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 10)

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 11)

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

US Army Corps of Engineers Division/District Map

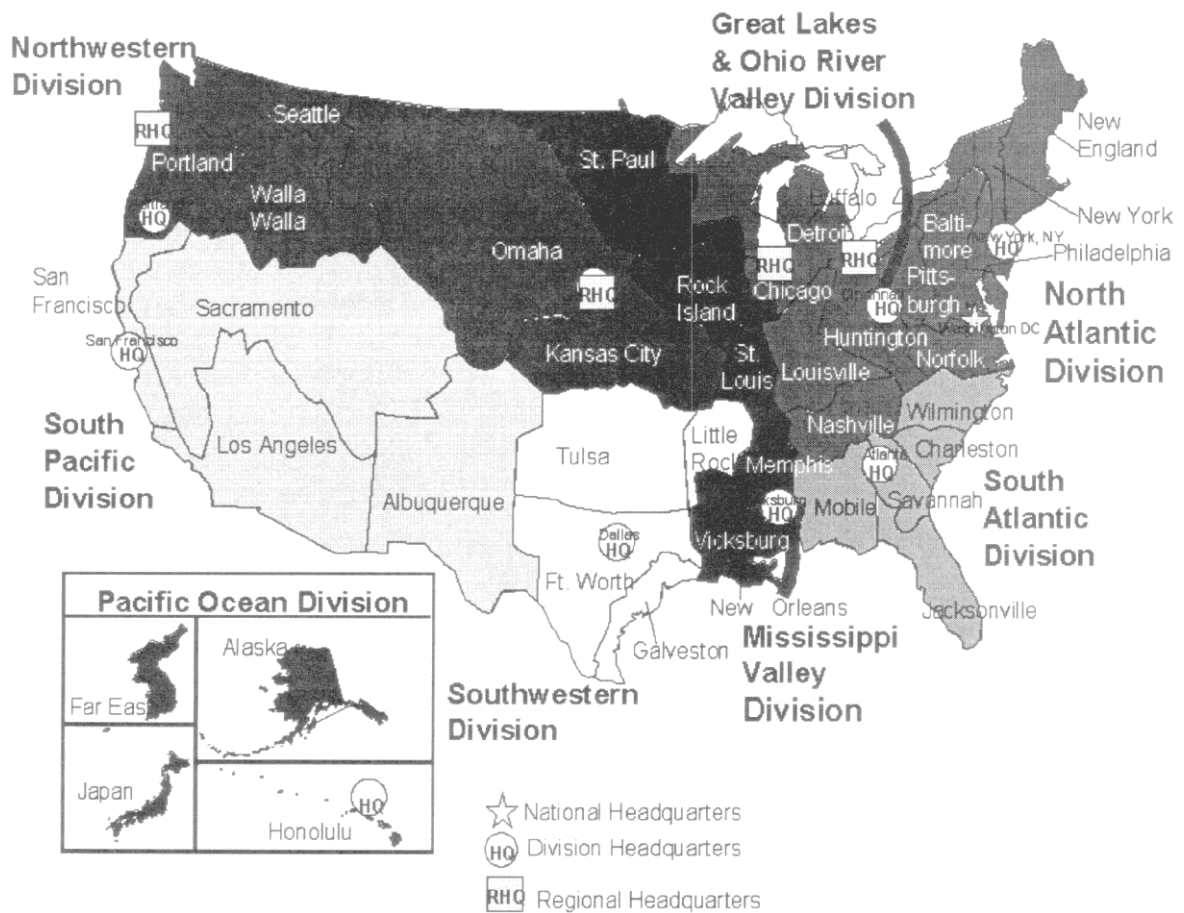


Figure 2: Tennessee Valley Authority

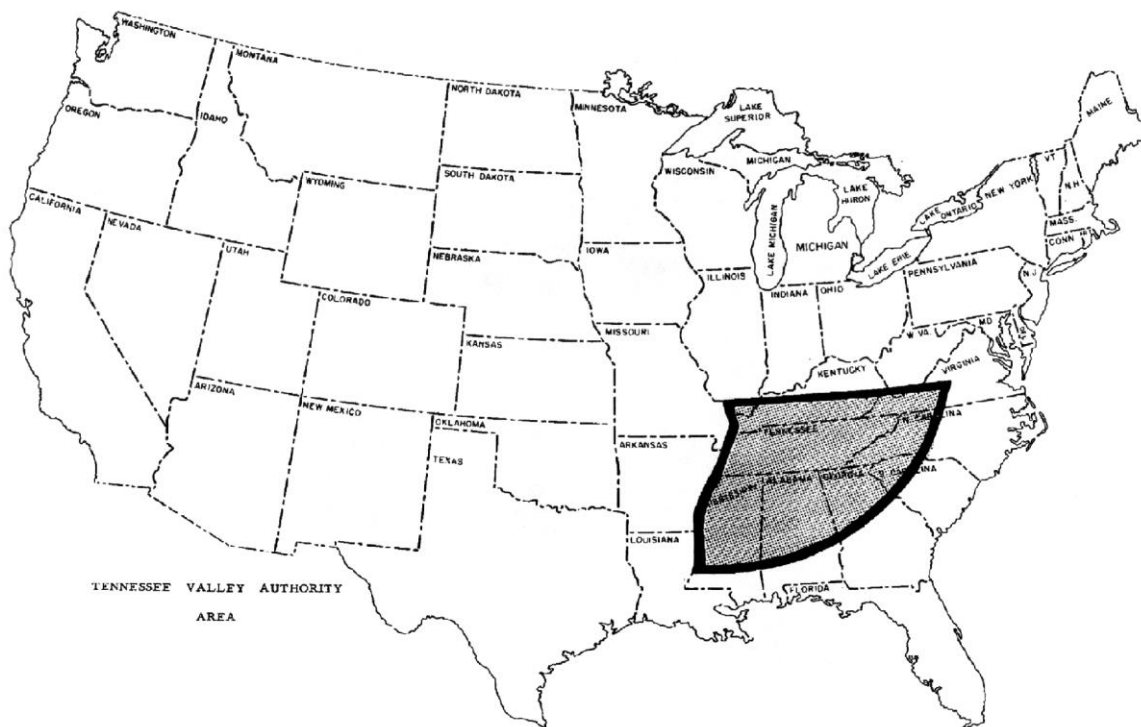


Figure 3: Coast Guard Districts



Figure 4: Navy-Marine Corps MARS Regions



Figure 5: Army Area Coordinators

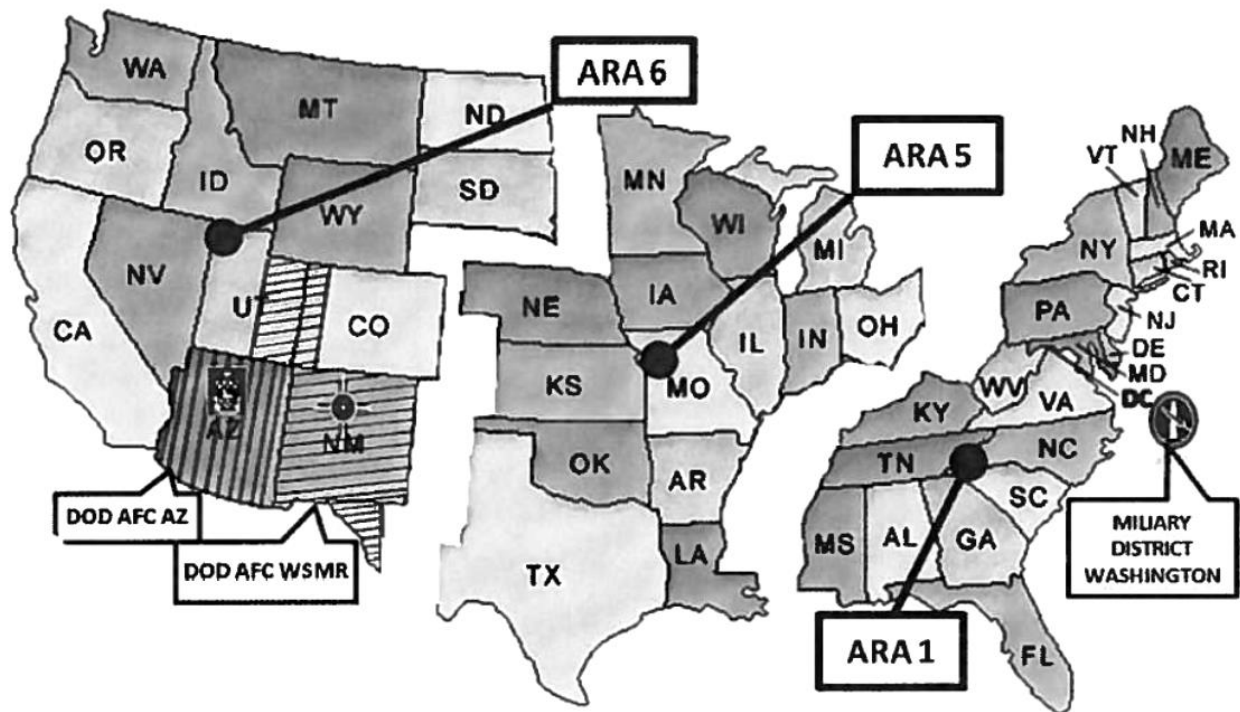


Figure 6: Army Area Frequency Coordinators

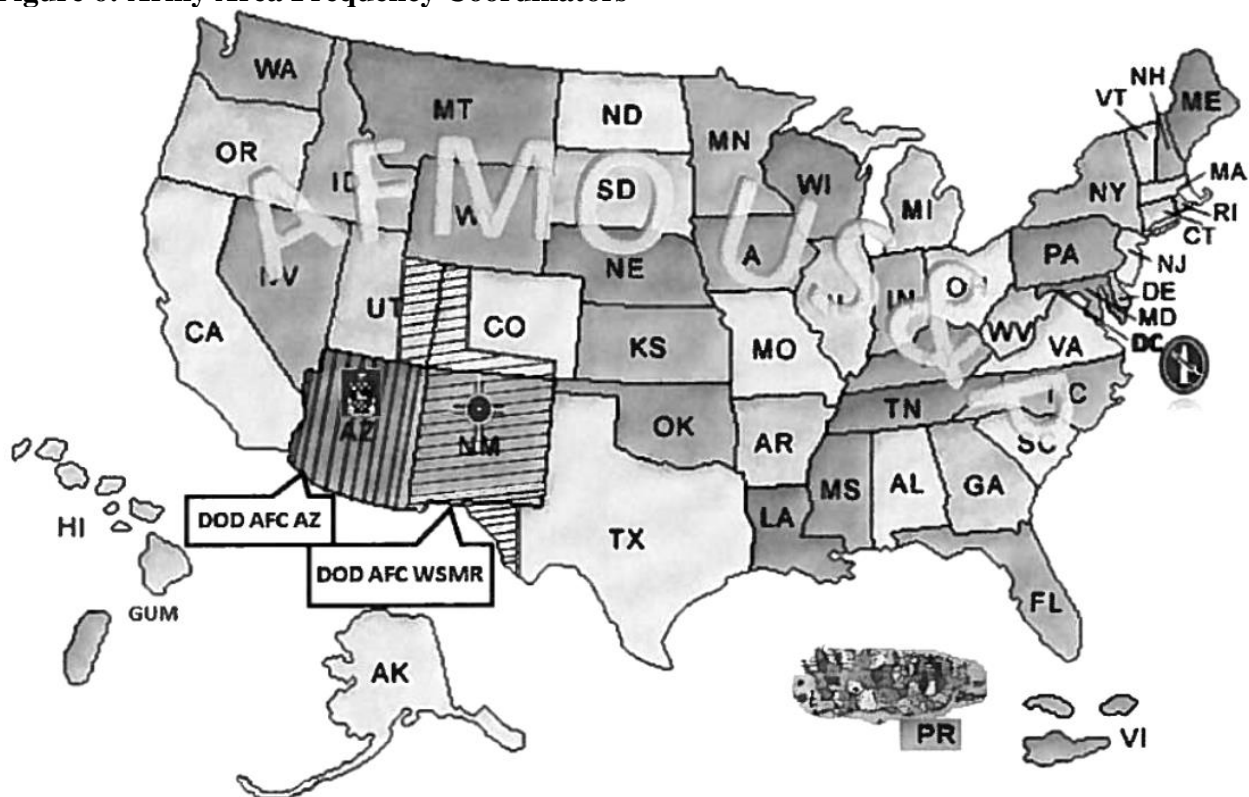


Figure 7: NRC Regions

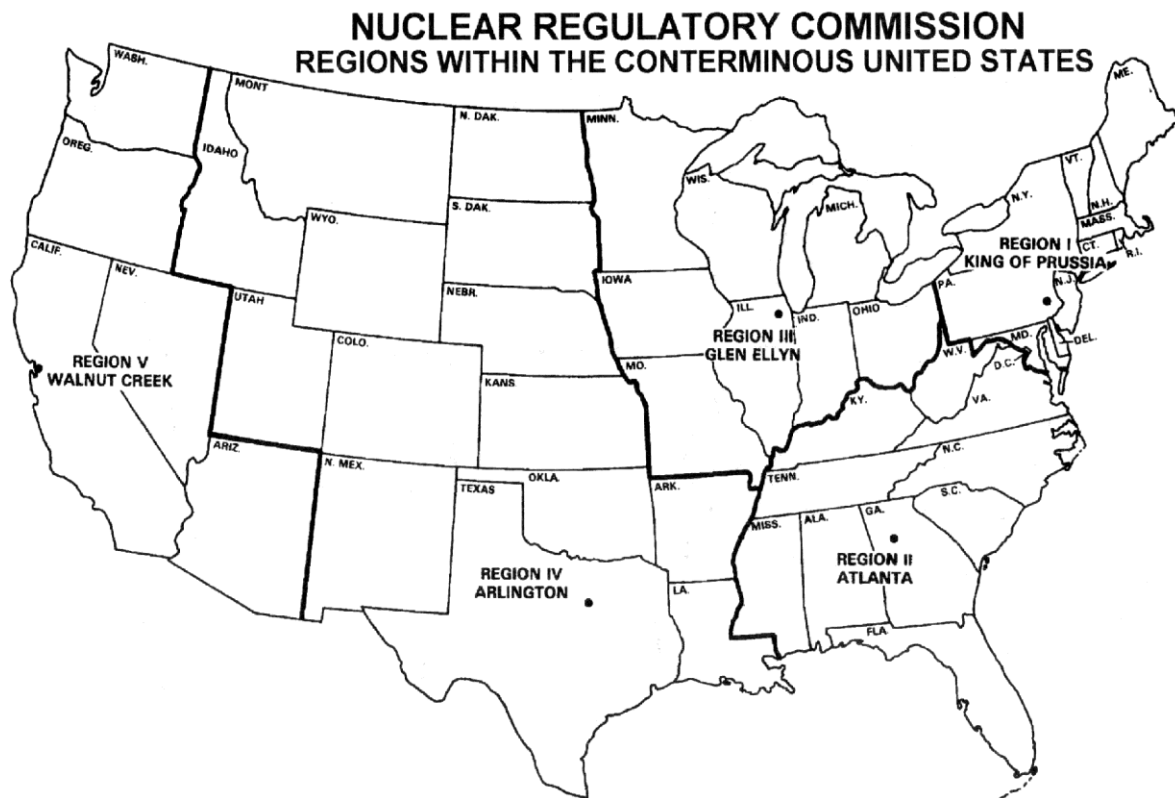


Figure 8: FEMA Regions



Figure 9: EPA Regions

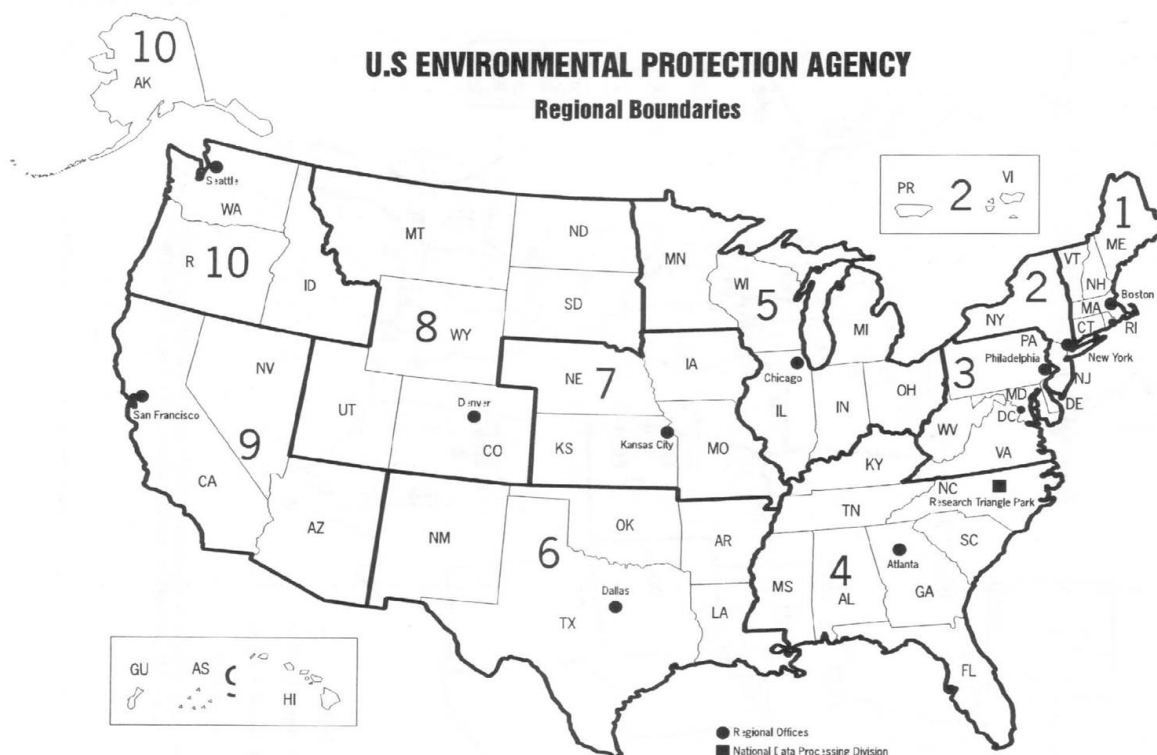


Figure 10: GSA Regions

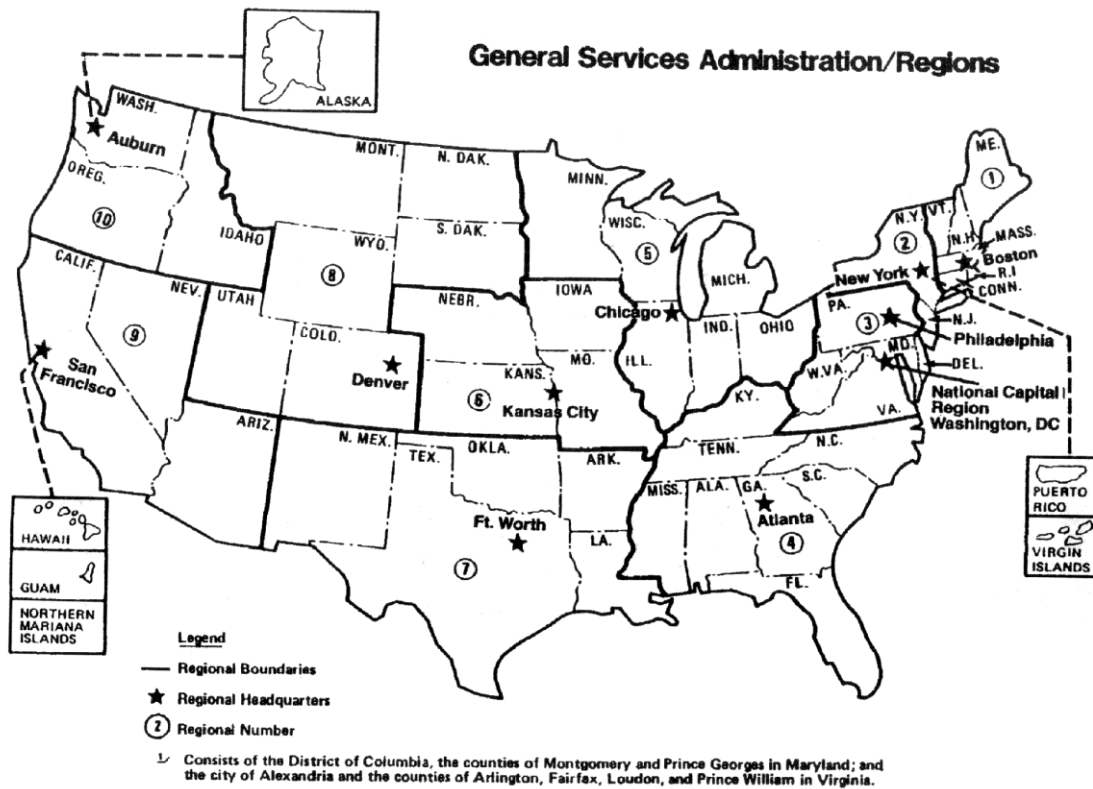


Figure 11: USAF Mars Regions

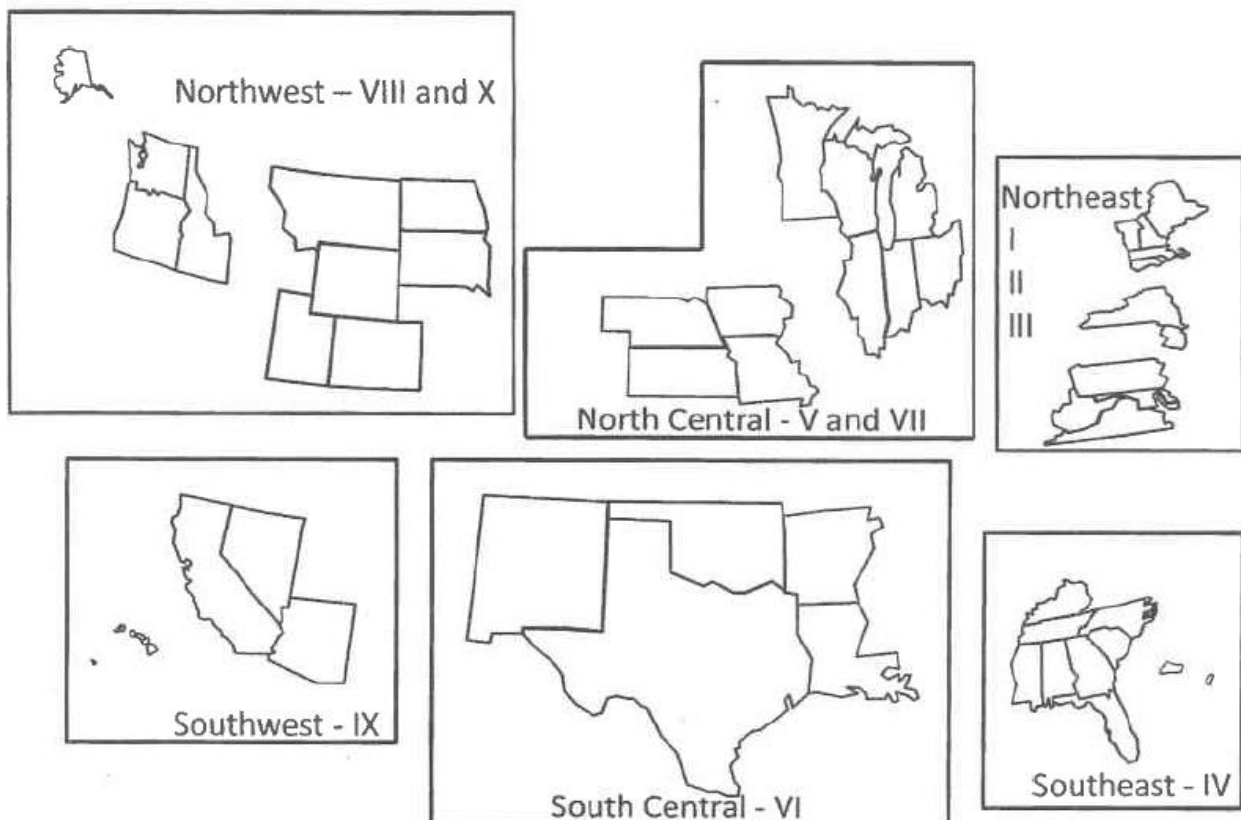
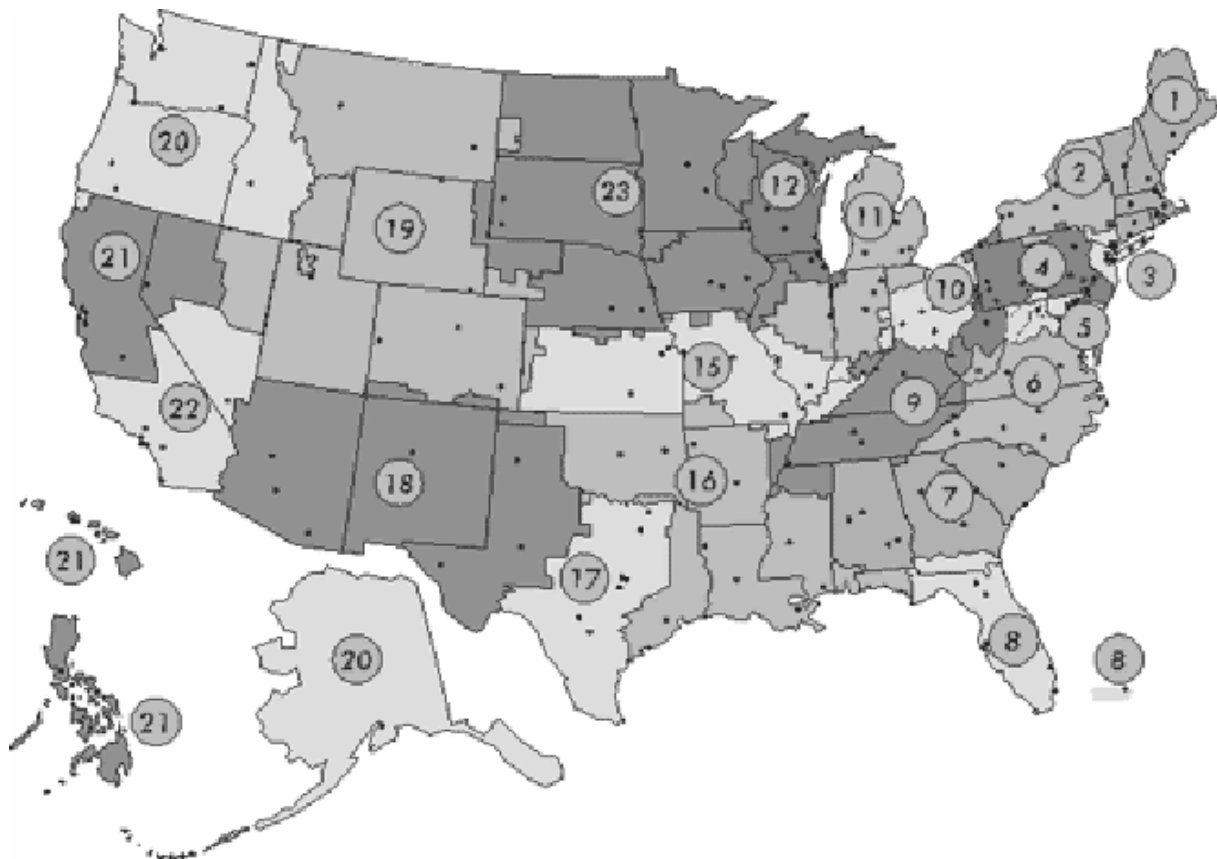


Figure 12: VA Health Administration Integrated Service Network by (VISN) by Boundaries



G.4 COMMON ABBREVIATIONS

AAF	ARMY AIR FIELD	IAP	INTERNATIONAL AIRPORT
ARA	ARMY AREA	IS	ISLANDS
ARPT	AIRPORT	JB	JOINT BASE
CGD	COAST GUARD DISTRICT	LNB	LARGE NAVIGATIONAL BUOY
CO	COUNTY	MAP	MUNICIPAL AIRPORT
CP	CAMP	MT	MONT, MONTE, MOUNT(S)
CY	CITY	MTN	MOUNTAIN(S)
DI	DISTRICT	PG	PROVING GROUND(S)
DIV	DIVISION	PT	POINT
FT	FORT	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		ABN	Aruba Networks
AAC	AACOMM, Inc.	ACC	ACE Communications
AAI	Aircraft Armaments Inc.	ACE	Aeronautical Communications Equipment Inc.
AAO	Aero Astro LLC	ACI	Air Communications Inc.
AAS	AES Corporation	ACO	Aerospace Corporation
AAT	Airsys ATM	ACP	Accipiter

ACR	Acrodyne or Acrodyne Industries Inc.	ASM	Astromarine Products Corp.
ACT	ALCATEL	ASP	A/S S.P. Radio
ADN	Advanced Navigation Inc.	AST	Astro Communication Laboratories or Astaron Electronics Ltd.
ADS	General Electric/Astro Space Division	ASY	Antenna Systems Inc.
ADU	Advanced Communications Systems Inc.	ATC	Astro Telecom Corp.
ADV	Audio-Vac	ATE	Advanced Tech Talk
AEC	Allied Electronics Corp.	ATF	Advanced Techcom Inc.
AEO	Aer-O-Com	ATI	Amerasia Technology Inc.
AER	Aeronautical Electronic Inc.	ATM	Automation Inc.
AES	Aerosonic Corp.	ATN	Aviat Networks
AGI	Agilent	ATT	American Telephone & Telegraph
AGN	AGA Navigation Aids Limited	ATX	Advanced Training Systems
AGT	Amergint Technologies	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.	AVR	Alvarion
AIL	Airborne Instrument Laboratories	AVT	Avtek Co.
AIM	Artemis Inc.	AWI	All Weather Inc.
AIO	AIRONET	AYD	Aydin
AIR	Aireon Manufacture Corp.	AYI	Airport Systems International, Inc.
AIS	Air Science Inc.	AZD	Azden, Inc.
AKL	Akela Corporation	B	
ALC	Applied Research Corp.	BAC	Barry Research Corp.
ALL	Allison Electronics	BAD	BAE Systems
ALN	Alenia Spazio	BAE	Barth Engineering & Mfg. Co.
ALO	ALINCO	BAN	Belair Networks
ALP	Aleph Inc.	BAO	Baofeng Ltd.
ALT	Altech Lansing	BAR	Barrett Electronics
ALV	Alva Radio Industries	BBC	Black Box Corporation
ALX	Aeroflex Lintek Corporation	BDW	BridgeWave Communications
AMH	Amherst Systems, Inc.	BEA	Becker Avionics
AMK	Ameri-King Corporation	BEE	Beel Technologies, Inc.
AMR	Amplifier Research Corporation	BEG	Bendix/King Mobile Communications
AMS	American Systems	BEN	Bendix Corp. or Bendix Aviation Corp.
AND	Andrew Corp.	BER	Bertea Products or Bertea Corporation
ANO	ANACOM	BEX	Bext Inc.
ANP	Antenna Products Co.	BLS	Balise
ANS	Antenna Specialists Co.	BMI	Battelle Memorial Institute
ANT	Arnet	BMS	Broadcast Microwave Services
AOC	Air Associates Co.	BOA	Boeing Aerospace
API	Applied Research, Inc.	BOE	Boeing Aircraft
APN	Applied Concepts	BRG	BRG Precision Products
APO	Appareo Systems	BRI	Bristol Aerospace Ltd.
APS	Applied Systems Engineering	BRK	Briartek Incorporated
APT	Applied Technology	BRN	Baron Services
ARA	ARTAIS Inc.	BRT	Broadcast Electronics
ARC	Aircraft Radio Corp.	BTI	Burle Technologies, Inc.
ARE	Atlantic Research Corp.	BUT	Butler National Corp.
ARJ	Aeronautical Radio Inc. or ARINC	BVS	Berkeley Varitronics Systems
ARM	Armstrong Transmitting Corp.	BZR	Bonzer, Inc.
ART	Allied Radio Shack	C	
ARX	Artex Aircraft Supplies, Inc.	CAB	Campbell Manufacture Company, Ltd.
ARY	Airsys ATM Inc.	CAC	Cessna Aircraft Co.
ASC	Astronics Corp.	CAI	Communications Associates, Inc.
ASE	Astral Electronics Inc.	CAM	Cambium Networks
ASG	Allied Signal Commercial Aviation System	CAP	Communications Applied Technology
ASI	Alto Scientific Inc.	CAR	Canadian Radio Corp.
ASL	Aarcff Systems Limited		

CAT	Canadian Telephone Co.	CUB	Cubic Co.
CAV	Cavotec Microcontrols	CUS	Cush Craft
CAW	CalAmp Wireless Network Corporation	CWE	Comwave
CBE	Crown Broadcast Electronics	CWI	Cartwright, Inc.
CBM	CBM Electronics	CYB	Cybermation
CBS	Campbell Scientific, Inc.	D	
CCB	Control Chiefs, Inc.	DAE	Davco Electronics Inc.
CCC	Cadion Communications Corp.	DAN	Daniels Electronics Limited
CCD	Control Industries	DAT	Data Control Systems
CCF	Coastal Climate Company	DBM	Three DBM Systems
CCI	Communications Carriers, Inc.	DCE	Decatur Electronics, Inc.
CCJ	Communications Co., Inc.	DCI	Defense Communications Engineering Inc.
CCP	Continental Electric Corporation	DCM	Delcom
CDD	Combat Direction Systems Activity Dam Neck	DCT	De Tect, Inc.
CDN	Cardian Electronics	DEA	Decca Radar Ltd. UK
CDP	Codan Pty, Ltd.	DEC	dbSpectra Systems
CDS	Cubic Defense Systems	DEL	Del Mar Avionics
CEC	Continental Electronics Corporation	DES	Delstar Corp.
CEG	Ceragon Networks Inc.	DET	Detroit Bullet Trap Co.
CEL	Colorado Electronics	DIG	Digital Radio
CEM	Continental Electronics Manufacturing Co.	DII	Digi International Inc.
CEO	Celesco Industries	DIT	Digitize, Inc.
CER	Centry Research Corp.	DIX	Dixon Industries Corp.
CET	CETEC Vega	DLN	Del Norte
CFM	California Microwave	DMC	Digital Microwave Corp.
CHM	Chesapeake Microwave	DMI	Data Marine International
CIC	Cubic Industrial Corp.	DNT	Del Norte Technology, Inc.
CIN	Cincinnati Electronic Corp.	DOR	Dorsett Laboratories
CIS	Cisco	DOS	Dorsett Electronics Division (LaBarge, Inc.)
CLN	Ciello Networks	DRA	Drake RF Co.
CLO	Ciello Digital Radios	DRI	Decca Radar, Inc.
CLU	Campbell Scientific Inc. Of Logan Utah	DRK	Data Radio Corp.
CMI	CMI, Inc.	DRS	DRS Technologies
CMO	Canadian Motorola	DSI	Delta Sigma Inc.
CMT	COMMTACT, Inc.	DSY	Defense Systems, Inc.
CMU	Communitronics Ltd	DTC	DTC Communications
CNC	Conic Corp.	DTE	Daytong Electronics, Ltd.
CNI	Contraves Italiana	DTM	Datum
COA	Communication Specialities	DTW	Datawell
COB	Cobra	DWI	DragonWave Inc.
COC	Communication Co.	DXR	DX Radio Corp.
COI	Comtech Lab, Inc.	DYC	Dynamic Communications
COL	Collins Radio Co.	DYN	Dynetics, Inc.
COM	Comrex	DYS	Dynascan Corp.
CON	Continental Electronics, Ltd.	E	
COP	Communications Products Co.	EAD	European Aeronautic Defense and Space Co.
COS	Cosser Electronic	EAI	Elta-Ashdod Israel
COU	Courier Communications, Inc.	EAR	Earmark, Inc.
CPI	CPI, Communications	ECL	Eaton Corp. AIL DIVN.
CRB	Commercial Resources Communications	ECR	Edcor
CRP	Concord Electronics Corp.	EDO	EDO Corp.
CRT	Cartwright Electronics Inc.	EDR	EDO Aire
CRU	Cruise Technology	EEE	EMCEE, Co.
CSC	Customs Signal Corp.	EFD	EF Data
CSI	Control Science, Inc.	EGX	Energy-Onix
CSP	CSpeed	EIP	Electromatic, Inc.
CTL	Crescent Technologies LLC	ELA	Ellason
CTM	Continental Microwave & Tool Co.	ELM	Electronic Material International, Ltd.
CTR	Cattron, Inc.	ELS	Electromagnetic Sciences, Inc.
CTW	Commtech Wireless	EMA	Electro Magnetic Sciences Co.

EMC	Electronics Missiles Communications, Inc.	GEV	Genave
EMH	Electro-Mechanics Co.	GIC	General Instrument Corp.
EMI	EMI-Cossor Electronics Ltd. or EMI Marine Division	GIT	Georgia Institute of Technology
EMR	Electro Mechanical Research, Inc.	GLB	GLB Electronics, Buffalo, N.Y.
ENI	Electronic Navigation Instruments	GLM	Global Microwave Systems
EPS	EPSCO, Inc.	GMC	General Motors Corp.
ERA	Ericsson, L.M. Ltd.	GME	General Microwave Services
ERD	Emhiser Rand	GMI	General Microwave Corporation
ERI	Electronics Research Industries	GMS	Galaxy Micro Systems, Inc.
ERN	Erichson	GMW	Global Microwave, Inc.
ERX	Emhiser Research, Inc.	GNI	GPS Networking Inc
ESC	Esco	GON	Gonset Corp. or Gonset Division of Aerotron or Dumont Division of Gonset
ESD	ESL, Inc.	GPS	GPS Source Inc.
ESE	Electronic System Technology	GRA	Granger Associates or Bauer Broadcast Division of Granger
ESI	Energy Systems, Inc.	GRC	General Radio Co.
EST	Electric Service Co.	GRO	Ground Data Corp.
ETC	Eagle Telecom	GRT	General Radiotelephone Co.
ETE	Enterprise Electronics, Inc.	GYE	Glenayre
ETR	Ecatek, Inc.	H	
ETS	Electronic Systems Technology	HAC	Harris Corp.
EWR	EWR Weather Radar Systems	HAD	Harris Aerospace Systems Div.
EXA	Exalt Communications Inc.	HAN	Handar Company
EXI	EXICOM New Zealand, Ltd.	HAR	Harvey Radio Laboratories, Inc.
EXT	Executone, Inc.	HDS	Household Data Services, Inc.
F		HEL	Hermes Electronics
FAA	Federal Aviation Administration	HEP	Hewlett Packard
FAL	Frant, Alan I.W.	HFI	Harris Farinon, Inc.
FAP	Fran Air Products Co.	HFR	Haigh-Farr, Inc.
FAR	Farnsworth TV Radio	HIC	Harris Intertype Corp.
FAS	Ford Aerospace Corp.	HII	Herley Industries
FEC	Farinon Electric	HIS	Highway Information Systems, Inc.
FER	Ferguson Communications, Inc.	HIT	Hitec RCD Inc.
FFS	Free Flight Systems	HME	Hartman Marine Electronics Corp.
FGI	Fleetwood Group, Inc.	HMI	HM Electronics, Inc.
FLL	Flight Refuel, Ltd.	HMS	Herley Microwave Systems
FLR	FLIR Systems Inc.	HNS	Hughes Network Systems
FLT	Flite-Tronics	HON	Honeywell
FMI	Farinon Microwave	HOR	Horizon
FOR	Fort Worth Tower Co.	HRC	Henry Radio Co.
FOT	Fortress Technologies	HRS	Hendy Radio Service
FRF	FRF Communications	HSA	Hallands Signal Attaraten
FRW	Freewave Inc.	HSC	Hawkeye Systems Corp.
FSG	Futurecom Systems Group Inc.	HSI	Hi Sierra
FUJ	Fujitsu Tem Corp. of America	HTI	Hamtronics, Inc.
FUR	Furuno	HTS	HT Systems
FUT	Futaba	HUG	Hughes Aircraft Co.
G		HUL	Hull Electronics Co.
GAA	General Atomics Aeronautical Systems	HYD	Hydrolynx
GAE	General Aviation Electronics	HYE	Hy-Gain Electronics Corp.
GAI	Garmin International	HYP	Hyperlink Technologies
GAL	Granger Associates, Ltd.	HYT	Hytera America
GAT	Gates Radio Co.	I	
GDE	General Dynamics/Electronics	IBM	International Business Machine Co.
GDI	Godfrey Engineering, Inc.	ICM	ICOM
GEC	GEC Telecommunications, Ltd.	ICO	International Corp.
GEL	General Electronics Laboratories, Inc.	ICS	Industrial Comm Systems
GEM	Gem Marine Products	ICX	ICX Technologies
GEN	General Electric Corp.	IEC	IEC Electronics Corp.
GEP	Genesys Systems		

IFR	Instrument Flight Research Corp.	LIL	Lincoln Laboratory
ILS	International Laser Systems, Inc.	LLL	Lawrence Livermore Laboratory
IMC	International Microwave Corp.	LMB	Lambda RF Systems
IMR	Imsar LLC	LNR	LNR Communications, Inc.
IMS	International Meteorological Systems	LOA	Los Alamos National Laboratories
IMT	Integrated Microwave Technologies	LOC	Lockheed Electronics
INC	INTRAC	LOE	Loral Electronics Corp.
INE	Intech, Inc.	LOM	Lockheed Martin Astro Space
INT	Interstate Electronics Co.	LOR	Lorrain County Radio Corp.
IRC	Islip Radio Corp.	LOS	Lockheed Sanders, Inc.
IPW	IP Wireless	LPB	Low Power Broadcast Co.
ISC	International Signal Control	LRD	Laird Technologies
ISS	Information Station Specialist	LSC	L-3 Space Communications
ITF	ITT Defense Communications	LSI	Liteye Systems, Inc.
ITG	ITT Gilfillan	LTC	L-3 Communications
ITM	ITT Mackay Marine	LUC	Lucos Air Space
ITO	ITT Aerospace/Optical	LUM	Lumistar
ITP	International Telephone & Telegraph Corp. or ITT Industrial Products	LUX	Luxul Corporation
ITS	ITT Standard	LYN	Lynch Communications Systems, Inc.
ITT	ITT Federal Laboratories	M	
J		MAB	M/A Comm AC, Inc.
JDE	John Deere	MAC	Marconi Instruments, Division of English Electronics
JDT	Johnson Data Telemetry Corp.	MAE	Marine-Air Systems, Ltd.
JEP	Jet Propulsion Laboratory	MAG	Magnavox Co.
JER	Jerrold Electronics Corp.	MAM	M/A COMM MAC
JHU	Johns Hopkins University	MAR	Mark Products Co.
JOH	Johnson E.F.	MAS	Mid American Relay Systems
JOT	Jotron USA, Inc.	MAX	Maxson Electronics Corp. (Electronics Design)
JRC	Japan Radio Co.	MAZ	Mas Zengrande LTD
JTC	Janteq Corp.	MBE	Marcel Bassaulet Electronics
K		MBR	Malibu Research
KAR	Kaar Engineering	MCA	Microair Avianics Pty Ltd
KDK	KDK Inc.	MCC	Microcom Corp.
KED	Kenwood	MCE	Micro Electronics
KEL	Kelvin Hughes, Ltd.	MCI	Marconi Radio
KEN	Kennedy Co.	MCJ	Marconi Electronics
KFE	K-F Electronics	MCL	Microwave Cavity Laboratory
KIG	Kingfisher	MCN	Morris Communications Co
KIN	King Radio Corp.	MCO	Micro Communications Co.
KLT	Leltron Corp.	MCS	Micronetics
KOD	Koden America, Inc	MCT	Micro Control Specialities
KRA	Kraft Systems	MDC	Microdyne Corp.
KTA	Keltron Corporation	MDH	Madah-Com
KTI	Keltec Industries	MDM	Microwave Design Manufacturing, Inc.
KUS	Kustom Signal Corp.	MDS	Metrodata Systems
KUX	Kustom Electronics Inc.	MDY	Microwave Data System
L		MET	Metrotek Electronics Co.
LAB	La Barge, Inc.	MTX	Morfax, Ltd.
LAC	Loea Corporation	MGD	Meggitt Defense Systems
LAN	Lance Antenna Corp.	MGI	Megapulse, Inc.
LAR	Largo Electronic Manufacturers Inc.	MGT	Magnetek
LCA	Univ. of Lowell Center for Atmospheric Research	MHR	Minneapolis Honeywell Regulator
LCT	Locata Corp.	MHS	Microhard Systems Inc.
LDS	Loral Data Systems	MIB	Mitsubishi Denki Co. or Mitsubishi Electric
LEA	Lear, Inc.	MIC	Microdot, Inc.
LED	Lucas Ledex	MID	Microfix Instruments, Ltd.
LEN	Lenkurt Electric Co.	MIE	Mitre Corporation
LET	Lectrosanics, Inc.	MIL	Micro-Linke Corp.
LII	Litton Industries	MIN	Midland Intlr. Corp.
		MIT	Minatronics Corp.

MIW Microwave Associates, Inc.
 MKY Mackay Radio-Telegraph Co.
 MLR R. A. Miller Industries
 MMA Martin Marietta Air Space
 MML Micromil Electronics, Ltd.
 MMT Millimeter Wave Technology
 MNE Mnemonics Inc.
 MNI Microwave Network, Inc.
 MNO Microwave Innovations
 MNT Montec (Divn of E-Systems)
 MOC Model Rectifier Co.
 MOD Modar Electronics
 MOE Monaco Enterprises, Inc.
 MON Monitor Electronics
 MOO Moog Inc
 MOT Motorola Corp.
 MOX Mobile Communications
 MPH MPH Industries, Inc.
 MPI Microwave Products, Inc
 MPN Multipoint Network
 MRC Midwest Radio Corp.
 MRE Monicor Electronics
 MRF Mid-Atlanlic RF Systems
 MRK MikroTik
 MRR Marti
 MRS Micro Systems, Inc.
 MRT Marti Electronics
 MSD Marconi Space and Defense Systems
 MSY Meteric Systems Corp.
 MTI Mobile Telesystem, Inc.
 MTK Metek GMBH
 MTN Monitron Corp.
 MTR Meteor, Communications Corp.
 MTS Mobile Telesystems
 MUT Multitone Electronics, Ltd.
 MVI M/A-COM Video Systems, Inc.
 MWB Microwave Bypass Systems
 MWI Microwave Innovations
 MWO Microwave Radio Corp.
 MWS Microwave Sensors
 MWT Marconi Wireless Telegraph Co., Ltd.
 MXN Maxon Electronics, Inc.
N
 NAU Nautel
 NAV Naval Avionics
 NCC Nutex Communications Corp
 NEA NEC America, Inc.
 NEC Nemsclarke
 NER Nera
 NEU Neulink, Divn of Celltronics
 NMT New Mexico Tech
 NOC Northrop Corp.
 NOI Nokia
 NOR Northeast Medal Industries
 NOV Nova-Tech/Avionics or Nova Tech Inc.
 NRA Northern Radio Co. or Northern Electronic Co.
 NRB NARCO
 NRC National Aeronautic Corp.
 NSI Nady System, Inc.
 NSM News And Sports Microwave

NUC Nucomm
O
 OAI Oklahoma Aerotronics, Inc.
 OAO OAO Corp.
 OAR Ocean Applied Research Corp.
 OCA Obstruction Collision Avoidance System Inc.
 OMB OMB Sistemas Electronicos S.A.
 OMN Omnitek
 OPH Ophir
 OPS Opos Electronics
 OSC Orbital Sciences Corp.
 OTX Omni Tronix
P
 PAD Pacific Advanced Engineering, Inc.
 PAE Park Aire Electronics
 PAS Park Air Systems
 PAU Pauldon
 PAV PAVCO
 PCM Pacific Communications
 PCR Pacific Crest Corp.
 PCS Proportional Control Systems
 PDL Paradise Datacom LLC/LTD
 PEA Pearce Simpson, Inc.
 PEG Peninsula Engineering Corp.
 PER Persistent System
 PFE Professional Electronics
 PHI Philco Corp.
 PLE Plessey Company, Ltd. (UK)
 PMH Pacific Microwave Research
 PMX Primex Wireless Clock System
 POE Pointer Electronics
 PPI Peter Pepper Inc.
 PRI Polytronics Research, Inc.
 PRL Polar Research Lab.
 PRM Protium Technologies Inc.
 PRO Podelin, Inc.
 PRS Prosensing Inc.
 PRT Pitchard Brown
 PRX Poxim
 PSI Planning Systems Incorporated
 PST Pwer Systems Technology, Inc.
 PTI Ptection Technology, Inc.
 PTK PTEK Corporation
 PYR Pyramid Co.
Q
 QEI QEI Corp.
 QEN Quadrant Engineering, Inc.
 QNA Qinetiq North America
 QUA Qualimetrics Corp.
 QUC QALCOMM
 QUI Quintron Corp.
 QUS Quasonix Systems
 QUT QUALI-TRON
 QWC Quarterwave Corp.
R
 RAC Racal Communications, Ltd.
 RAD Radiation, Inc.
 RAE Racal Electronics, Ltd.
 RAG Radian Corp.
 RAI RADA Electronics Industries

RAJ	Ray Jefferson Co.	SDI	Safety Devices, Inc.
RAM	Raymarine Inc.	SEA	Sears Roebuck Co.
RAN	Rantec Corp.	SEC	Struthers Electronics Corp.
RAS	Radio Shack	SEI	Seiscor Manufacturing Co.
RAV	Raveon Technologies	SEL	Selenia S.P.A. (Italy)
RAW	Radwin	SEM	Seatron, Inc.
RAY	Raytheon Co. or Raytheon Manufacturing Co.	SEN	Sennheiser Electronic Corp.
RCA	Radio Corporation of America	SEO	SEMCO
RCE	R3 Engineering	SEP	Shakespeare Electronic Product Group
RCN	Racon, Inc.	SER	Servo Corp. of America
RDA	Radair, Inc.	SFC	Safecom (Radionics)
RDE	Radtec Engineering	SFI	Stanford Telecommunications, Inc.
RDL	Redline Communications, Inc	SGC	Sperry Gyroscope Company of Canada, Ltd.
RDN	Raydyne, Inc.	SHU	Shure Brothers, Inc.
RDR	RDRTec Inc	SIC	SRI International
RDW	Radio Waves Inc.	SID	Sierra Digital
REG	Ross Engineering	SIE	Sierra Electronic Division of Philco
REI	Regency Electronics, Inc.	SIG	Signal Communications
REL	Radio Electronics Laboratories	SIH	Siemens-Halske
REP	Repco, Inc. or R.G.P. Co.	SII	Sirit Corp
REU	Reutech	SIL	Silvus Technologies Inc.
RFC	RF Communications Associates, Inc.	SIM	Simpson Electronics
RFE	Rafael	SIN	Spectrum Communications, Inc.
RFI	Radio Frequency Communications, Inc.	SIP	Sippian Ocean Systems
RFT	R. F. Technology	SIR	Sitra
RGC	Ranger Communications	SLI	Silicon Laboratories
RHG	RHG Electronics Laboratories	SMN	Summation Research, Inc.
RIE	Rockwell International Electronics	SMO	Sierra Misco
RIT	Ritcon, Inc.	SMT	Samson Technologies Corp.
RMC	Relm Communications, Inc.	SMW	Southern California Microwave
RMT	Remotec, Inc.	SNC	Sierra Nevada Corp.
RMX	Radiometrix	SNI	Seamarine International
ROC	Recon Optical, Inc.	SNS	Senstar Corp.
ROE	Robinson Engineering Co.	SOA	Southern Avionics
ROS	Rohde Schwarz	SON	Sonar Radio Corp.
ROT	Rothenbuhler Engineering	SOV	Soviet Manufactured Equipment
RQM	Racon, Inc. Quality Microwave	SOY	Sony
RRC	Radio Receptor Co.	SOZ	Southcom International, Inc.
RSI	Radio Systems, Inc.	SPA	Spar Aerospace, Ltd.
RSM	Radio Specialty Manufacturing	SPB	System Planning Co.
RSS	RS Systems, Inc.	SPD	Sperry Corp.
RTK	REFTEK	SPE	Space Electronics
RTL	RT Logic	SPI	Spirent
RTR	Ritron, Inc.	SPN	Sparton Electronics
RWC	Rockwell, Collins	SPO	Spotter RF
S		SPR	Sperry Corp. or Servo Corporation of America
SAB	SAAB	SPZ	Sperry Marine Systems
SAC	Sabre Communications Corp.	SQA	Square D Co.
SAD	Sandia Corp.	SQL	Spacequest LTD
SAL	Salco Manufacturing Co.	SRC	Schuberth Rider Communication
SAT	Sarkes Tarzian, Inc.	SRM	Sierra Monolithics, Inc.
SCA	Scala Radio Corp.	SRS	Scientific Radio Systems, Inc.
SCC	Secode Corp.	SRU	SATEL Radio USA
SCI	Scientific Atlanta Co.	SSA	Selex Sensors and Airborne Systems Ltd.
SCM	SCM Melabs, Inc.	SSN	Sensis Corp.
SCN	Scintec Corporation	SSR	Sensor Systems
SCT	Science Applications International Technology, Inc.	SST	Surrey Satellite Technology
SCX	Sensor Concepts Inc.	SSY	Stellar System
SDC	Space Data Corporation	STA	Standard Electronics
		STB	Standard Communications

STC	Sagotech Corp.	TLP	Telephonic Corp.
STD	Standard Elektrik Lorenz	TLR	Telline Radio
STE	Stephenson	TLX	Telex Co.
STM	ST Microwave	TMA	Tampa Microwave
STR	Stromberg Carlson Products Co.	TMC	Technical Materiel Corp.
STS	Standard Electrica S.A.	TMD	TMC Systems & Power Corp. or Telemotive Division of Dynascan
STW	Stewart Warner Corporation of Canada, Ltd.	TMR	Terma Elektronik
STX	SI-Tex Marine Electronics, Inc.	TNC	Technocom
STY	Sensor Technology Systems, Inc.	TNS	Telonics
SUM	Summers & Mills	TOA	Townsend Associates
SUN	Sunair Electronics, Inc.	TPL	Technology Proprietary, Ltd.
SUR	Sur-Tec, Inc.	TRA	Transco Products, Inc.
SUT	Sutron Co.	TRB	Trans World Communications, Inc.
SWM	Southwest Microwave Co., Inc.	TRC	Terrasat Corporation Inc.
SWR	Southwest Research Institute	TRI	Tracor, Inc.
SYA	Syracuse Research Corp.	TRM	Tram/Diamond Corp.
SYE	Systems Engineering & Management Corporation	TRN	Tran-Com
SYL	Sylvania Electronics Defense Laboratory or Sylvania Electronics Products	TRP	Tri-Com, Inc.
SYN	Synergetics	TRW	TRW Electronics
SYS	Systron Donner Corp (Demornay Bonardi)	TRZ	Travelers Information Services, Inc.
T		TSB	Transcience
TAC	Technical Appliance Corp.	TSC	Teledyne Systems Co.
TAE	Tait Electronics, Ltd.	TSI	Tactical Systems, Inc.
TBL	Trimble Navigation	TSS	Telesystems, Inc.
TBN	Tayburn	TTC	Titian Corp.
TCD	Techdyn Systems Corp.	TTG	Telectronics Technology Corporation
TCM	TCOM Industries, Inc.	TTK	Tron-Tek, Inc.
TCT	Transcidtronic	TTS	Telesciences Transmission System, Inc.
TDC	Teledyne T/M Co.	TTT	Tactical Technology, Inc.
TDI	TeleDesign	TWS	Tracwell Systems 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.	VLK	VISLINK Plc.
TKM	TEK Mark Company	VST	Viasat Technologies Co.
TKT	Turnkey Technology	VSX	Visiplex
TLA	Telonica Corp	VTC	Vectran Corp.
TLC	TRT Groupe	VTX	Vortex Systems
TLF	Telefunken Gmbh.	VYT	Vytek, Inc.
		W	

WAT Washington Technological Assn., Inc.
 WAV Wavetek
 WBL Weibel Scientific, Inc.
 WEI Ward Electronic Industries
 WES Westinghouse Electric Co.
 WHD Windermere HDS
 WHE Whelen
 WIL Wilcox Electric Corp.
 WIN Wind Data
 WJO Watkins Johnson Co.
 WLC Wilson Electronic Corp.
 WMX Western Multiplex Corporation
 WOD Wood and Douglas
 WOU Quanzhou Wouxun Electronics Co., LTD.
 WRL World Radio Laboratories

WUL Wulfsberg Electronics
X
 XCM Xicom Technology
 XON Xontech, Inc.
 XTR Xetron Corp.
Y
 YDI Yarnell Data, Inc.
 YEA Yaesu
Z
 ZDS Zodiac Data Systems
 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	CAVITYARRY
Coaxial Dipole	COAXDIPOLE
Collinear	COLLINEAR
Collinear Array	COLLNRARRY
Conformal Array	CNFRMLARRY
Conical	CONICAL
Conical Horn	CONICALHRN
Corner Reflector	CORNREFLTR
Cross Dipole	CROSSDIPOL
Cross Dipole Reflector	CRDIPOLERF
Dielectric Lens	DLCTLENSES
Dipole	DIPOLE
Dipole Array	DIPOLEARRY
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

ANTENNA NAME	ABBREVIATION
Helix Array	HELIXARRY
Horn	HORN
Linear Array	LINEARARRY
Log Periodic	LOGPERIODC
Longwire	LONGWIRE
Loop	LOOP
Loop Array	LOOPARRAY
Microstrip	MICROSTRIP
Microstrip Array	MCRSTRPARY
Monopole	MONOPOLE
Monopole Array	MONOPLARRY
Panel	PANEL
Parabolic	PARABOLIC
Parabolic Cylinder	PARABLCCYL
Patch	PATCH
Phased Array	PHASEDARRY
Phased Array Waveguide	PHSDARYWVG
Pillbox	PILLBOX
Planar	PLANAR
Planar Array	PLANARARRY
Radiax Cable	RADIAX
Reflector	REFLECTOR
Rhombic	RHOMBIC
Skeleton Slot	SKELTNSLOT
Slot	SLOT
Slot Array	SLOTARRAY
Slotted Waveguide	SLOTTDWVGD
Spiral	SPIRAL
Stacked Array	STACKDARRY
Stacked Cross Dipole	STDCRSDDL
Stacked Dipole	STCKDIPOLE
Stacked Yagi	STACKDYAGI

ANTENNA NAME	ABBREVIATION
Stub	STUB
Swastika	SWASTIKA
Symmetrical Tee	SYMMETRCTE
Tophat	TOPHAT
Turnstile	TURNSTILE
V Ring	VRING

ANTENNA NAME	ABBREVIATION
Waveguide	WAVEGUIDE
Waveguide Array	WAVEGDARRY
Whip	WHIP
Yagi	YAGI
Yagi Array	YAGIARRAY

(Last Page in Annex G)