

Annex G

Abbreviations

G.1 AGENCY, BUREAU, AND OTHER ORGANIZATIONAL ABBREVIATIONS

This section of Annex G contains those agency and other organizational name and bureau abbreviations that will be used in the Serial Number (SER), Bureau (BUR) and Circuit Remarks (REM) fields of the GMF. (See Chapter 9, Section 9.8.2).

Agency	Bureau	Abbreviation
Agency for International Development		AID
Agriculture, Department of		A
	Animal and Plant Health Inspection Service	APHIS
	Agriculture Research Service	ARS
	Cooperative State Research Education & Extension Service	CSRE
	Farm Service Agency	FSA
	Farmers Home Administration	FHA
	Food & Nutrition Service	FNS
	Forest Service	F
	Forest Service - Region 1	F1
	Forest Service - Region 2	F2
	Forest Service - Region 3	F3
	Forest Service - Region 4	F4
	Forest Service - Region 5	F5
	Forest Service - Region 6	F6
	Forest Service - Region 8	F8
	Forest Service - Region 9	F9
	Forest Service - Region 10	F10
	Forest Service - Washington Office	FWO
	Food Safety and Inspection Service	FSIS
	Grain Inspection, Packers & Stockyards Administration	GIPS
Natural Resources Conservation Service	NRCS	
Office of Inspector General	OIG	
Office of the Secretary	SEC	
Air Force, Department of the		AF
Architect of the Capitol		AOTC
Army, Department of the		AR
	AFMO 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	
Commerce, Department of		C
	Bureau of Industry and Security	BIS
	Census Bureau	CEN
	Oceanic and Atmospheric Research	OAR
	International Trade Administration	ITA
	Institute for Telecommunications Science	ITS

Agency	Bureau	Abbreviation
	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 Argonne National Lab, East	CH

Agency	Bureau	Abbreviation
	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 Office of Independent Oversight and Performance	HQ

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

Agency	Bureau	Abbreviation
	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
	Office of Air and Radiation	OAR

Agency	Bureau	Abbreviation
	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
National Institutes of Health	NIH	

Agency	Bureau	Abbreviation
	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
	National Coordination Center	NCC
	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
	Bureau of Land Management - Arizona	LAZ

Agency	Bureau	Abbreviation
	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	LNVA
	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 – United 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
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 Department)	JW

Agency	Bureau	Abbreviation
	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
Pension Benefit Guaranty Corporation		PBGC
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
	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
	Transportation Technology Center	TTC
	Volpe Center	VOLP
	Great Lakes St. Lawrence Seaway Development Corporation	GLS
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. Agency for Global Media		USGM
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 Security	OIG 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 U.S. (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 U.S. Territories and Possessions

Caribbean Area

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

Pacific Area

-	Baker Island
GUM	Guam
HWL	Howland Island
JAR	Jarvis Island
JON	Johnston Island (including Sand Island)
-	Kingman Reef

MDW	Midway (Includes Eastern and Sand Islands)
MRA	(except Guam) Commonwealth of Northern Mariana Islands (Formerly Ladrone Islands) (Agrihan, Aguijan, Alamagan, Anatahan, Asuncion, Guguan, Maug, Medinilla, Pagan, Farallon de Pajaros, Rota, Saipan, Sarigan, and Tinian)
PLM	Palmyra Island (Some 50 islands make up the Atoll of Palmyra)
SMA	American Samoa (Aunuu, Manua Group [or Islands, i.e., Ofu, Olosega, Tau], Rose Island, Swains Island, Tutuila)
WAK	Wake Island

G.2.3 Area and Other Abbreviations

AFR	Africa
ANTR	Antarctica
ARCO	Arctic Ocean
ASIA	Continent of Asia
CAM	Central America
CBN	Caribbean
EUR	Europe
FE	Far East (Countries of China, Japan, Korea, Thailand, Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Vietnam and East India)
GLM	Gulf of Mexico
GTLK	Great Lakes (collectively)
INDO	Indian Ocean
LAM	Latin America
LANT	Atlantic Ocean
LERI	Lake Erie
LHUR	Lake Huron
LMIC	Lake Michigan
LONT	Lake Ontario
LSUP	Lake Superior
MED	Mediterranean Sea
MDE	Middle East
OCNA	Oceania
PAC	Pacific Ocean
RCVR	Restricted for use only in Passive Sensor and Radio Astronomy listings
SEA	Southeast Asia
SPCE	Space
US	For US only when transmitting and/or receiving in all 50 United States and the District of Columbia
USA	For use only when transmitting and/or receiving in the 48 Contiguous States of the United States and the District of Columbia (This Excludes Alaska and Hawaii)
USP	For use only when transmitting and/or receiving throughout the US (50 states and

District of Columbia), the Commonwealth of Puerto Rico, and the Territories and Possessions (does not include the former Trust Territory of the Pacific Islands)
 XXXX See Section 9.8.2, paragraph 21.b

G.2.4 Country Abbreviations

ABW	Aruba
AFG	Afghanistan (Islamic State of)
AFS	South Africa (Republic of)
AGL	Angola (Republic of)
AIA	Anguilla
ALB	Albania (Republic of)
ALG	Algeria (People's Democratic Republic of)
ALS	Alaska (not for use in GMF; for ITU use only)
AMS	Saint Paul and Amsterdam Islands
AND	Andorra (Principality of)
AOE	Western Sahara
ARG	Argentine Republic
ARM	Armenia (Republic of)
ARS	Saudi Arabia (Kingdom of)
ASC	Ascension
ATA	Antarctic
ATG	Antigua and Barbuda
ATN	Netherlands Antilles
AUS	Australia
AUT	Austria
AZE	Azerbaijani Republic
AZR	Azores
B	Brazil (Federative Republic of)
BAH	Bahamas (Commonwealth of the)
BDI	Burundi (Republic of)
BEL	Belgium
BEN	Benin (Republic of)
BER	Bermuda
BFA	Burkina Faso
BGD	Bangladesh (People's Republic of)
BGR	Bulgaria
BHR	Bahrain (State of)
BIH	Bosnia & Herzegovina (Republic of)
BIO	British Indian Ocean Territory
BLR	Belarus (Republic of)
BLZ	Belize
BOL	Bolivia (Republic of)
BOT	Botswana (Republic of)
BRB	Barbados
BRU	Brunei Darussalam
BTN	Bhutan (Kingdom of)
CAF	Central African Republic
CAN	Canada
CAR	Caroline Islands

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

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	QAT	Qatar (State of)
MHL	Marshall Islands (Republic of the) (Ailinglapalap, Arno, Ebeye, Enewetak, Jaluit, Kwajalein, Majuro, Mili, Roi-Namur, Rongelap)	REU	Reunion (French Department of)
MKD	Macedonia (Republic of) (The Former Yugoslav Republic of Macedonia)	ROD	Rodriguez
MLA	Malaysia	ROU	Romania
MLD	Maldives (Republic of)	RUS	Russian Federation
MLI	Mali (Republic of)	RRW	Rwandese Republic
MLT	Malta	S	Sweden
MMR	Myanmar	SCN	Saint Christopher and Nevis
MNE	Montenegro	SDN	Sudan (Republic of the)
MNG	Mongolian People's Republic	SEN	Senegal (Republic of)
MOZ	Mozambique (Republic of)	SEY	Seychelles (Republic of)
MRA	Mariana Islands (except Guam)	SHN	Saint Helena
MRC	Morocco (Kingdom of)	SLM	Solomon Islands
MRN	Marion Island	SLV	El Salvador (Republic of)
MRT	Martinique (French Department of)	SMA	American Samoa
MSR	Montserrat	SMO	Western Samoa (Independent State of)
MTN	Mauritania (Islamic Republic of)	SMR	San Marino (Republic of)
MWI	Malawi	SNG	Singapore (Republic of)
MYT	Mayotte Island	SOM	Somali Democratic Republic
NCG	Nicaragua	SPM	Saint Pierre and Miquelon (French Department of)
NCL	New Caledonia	SRB	Serbia
NFK	Norfolk Island	STP	Sao Tome and Principe (Democratic Republic of)
NGR	Niger (Republic of the)	SUI	Switzerland (Confederation of)
NIG	Nigeria (Federal Republic of)	SUR	Suriname (Republic of)
NIU	Niue Island	SVK	Slovak Republic
NLD	Netherlands (Kingdom of)	SVN	Slovenia (Republic of)
NMB	Namibia (Republic of)	SWN	Swan Islands
NOR	Norway	SWZ	Swaziland (Kingdom of)
NPL	Nepal	SYR	Syrian Arab Republic
NRU	Nauru (Republic of)	TCA	Turks and Caicos Islands
NZL	New Zealand	TCD	Chad (Republic of)
OCE	French Polynesia	TGO	Togolese Republic
OMA	Oman (Sultanate of)	THA	Thailand
PAK	Pakistan (Islamic Republic of)		

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

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 U.S., which appear in the GMF. (The FEMA & U.S. Coast Guard maps are an exception 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 U.S. 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; the Panama Canal Zone; 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) and the Virgin Islands (St. Croix, St. John, St. Thomas), District 7 includes the islands of Navassa Island; the U.S. Naval Reservations in the islands of the West Indies and on the north coast of South America; and the ocean areas that are encompassed by a line bearing 122 degrees True from coastal end of the Fifth and Seventh Coast Guard District land boundary of the National Maritime Search and Rescue Region; thence along the eastern and the offshore boundary between the Seventh and Eighth Coast Guard Districts that is defined as a line that extends 199 degrees True from the coastal end of the Seventh and Eighth Coast Guard District land boundary; thence along this line to the coast.

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 The Fourteenth Coast Guard District, with District office in Honolulu, Hawaii, is comprised of: the State of Hawaii, the Pacific island possessions of the U.S. south of latitude 40 degrees North and west of a line that runs from 40 degrees North, 150 degrees West through latitude 5 degrees South, 110 degrees West; the ocean area west and south of a line that runs from position 51 degrees North, 158 degrees East to position 43 degrees North, 165 degrees East; thence due south to latitude 40 degrees North; thence due east to longitude 150 degrees West; then southeasterly through latitude 5 degrees South, longitude 110 degrees West. Guam, Howland Island, Jarvis Island, Johnston Island (including Sand Island) Kingman Reef, Midway (Includes Eastern and Sand Islands), Commonwealth of Northern Mariana Islands (Formerly Ladrone Islands) (Agrihan, Aguijan, Alamagan, Anatahan, Asuncion, Guguan, Maug, Medinilla, Pagan, Farallon de Pajaros, Rota, Saipan, Sarigan, Tinian and excluding Guam. Palmyra Island (Some 50 islands make up the Atoll of Palmyra), American Samoa (Aunuu, Manua Group [or Islands, i.e., Ofu, Olosega, Tau], Rose Island, Swains Island, Tutuila), Wake Island.

17th District Alaska.

G.3.4 U.S. 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 U.S. 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 degrees West), Washington, Wyoming).

G.3.6 U.S. 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)

G.3.8 The Coordination of Unclassified Frequencies Will be Done Through the FAA Webfer Web Portal Located at <https://webfer.faa.gov> (See Annex D). 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

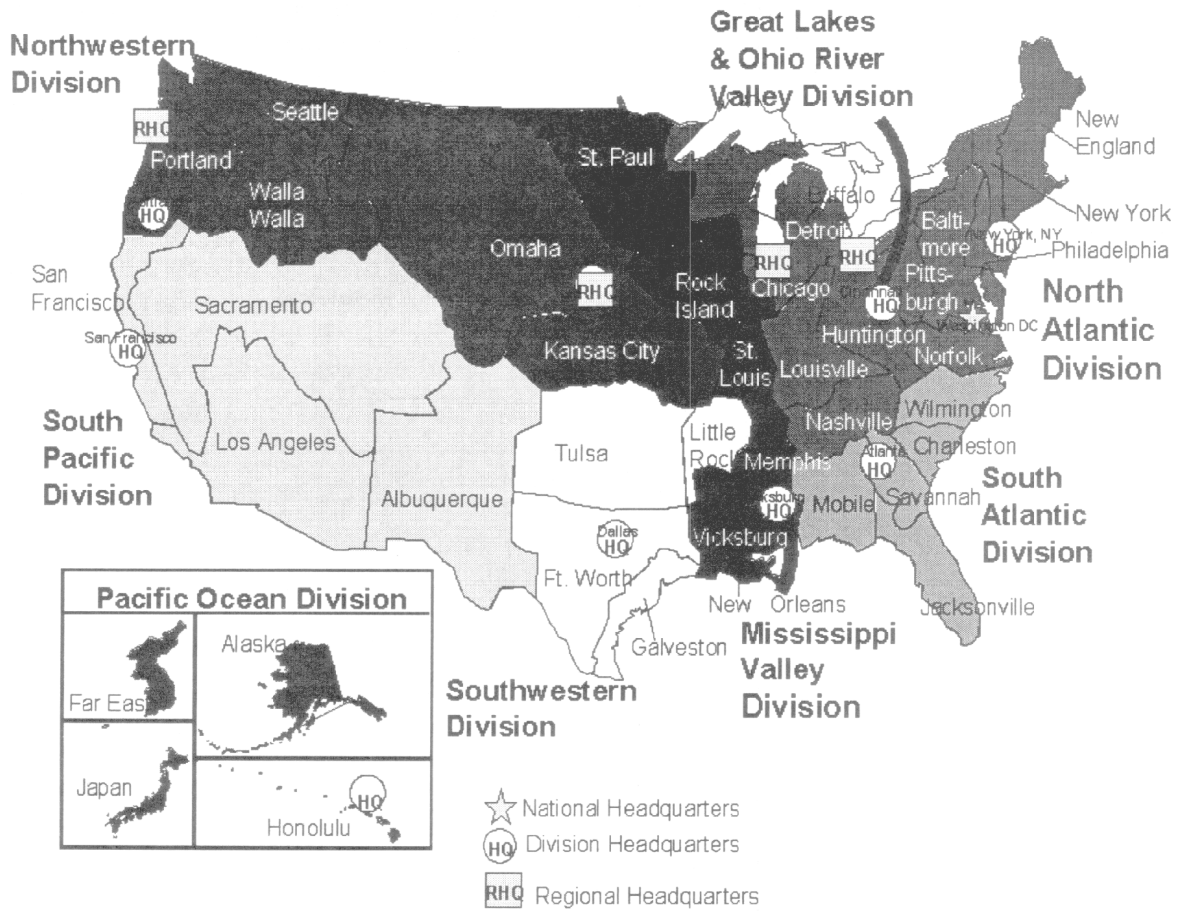


Figure 2: Tennessee Valley Authority

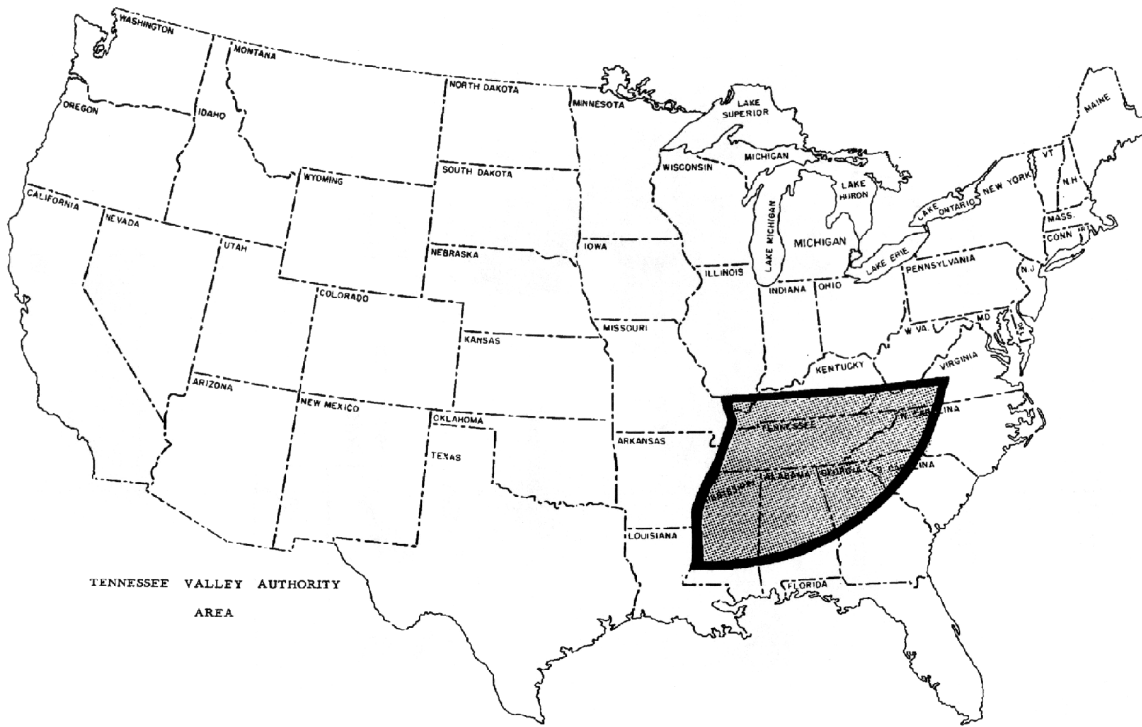


Figure 3: U.S. Coast Guard Districts

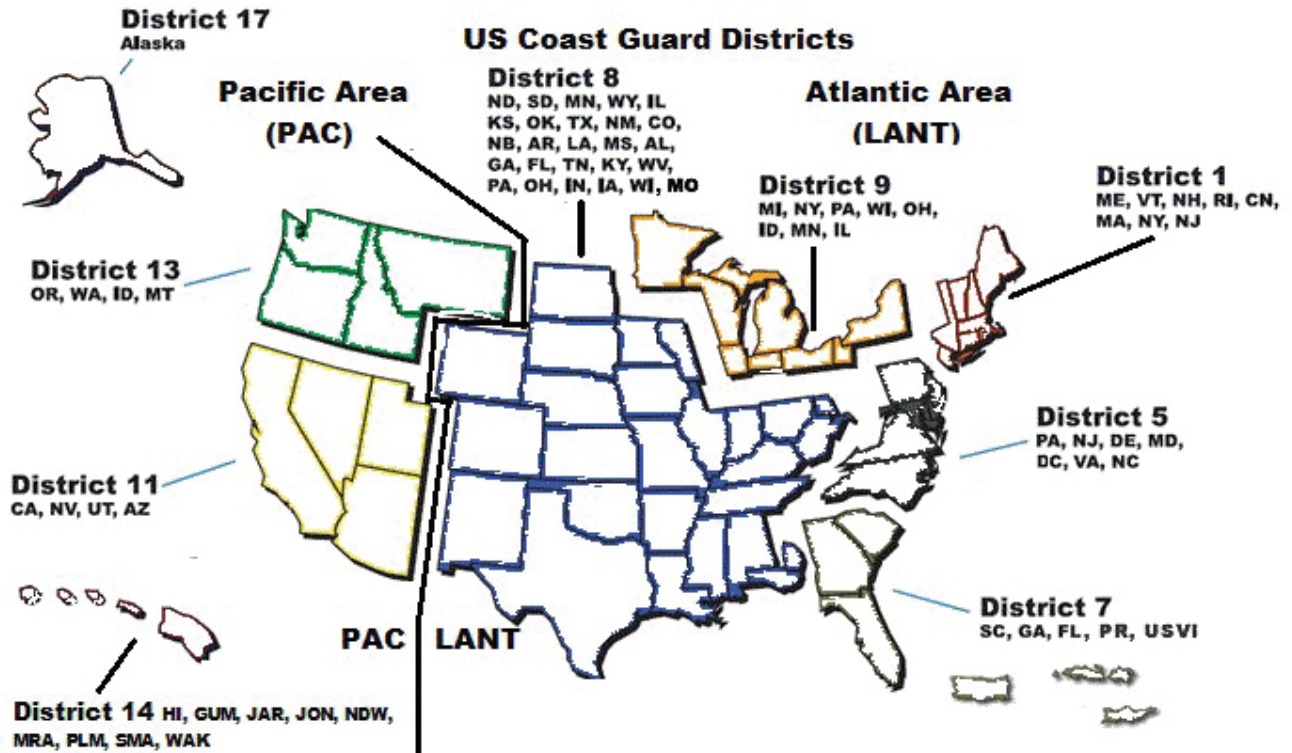


Figure 4: U.S. Navy-Marine Corps MARS Regions

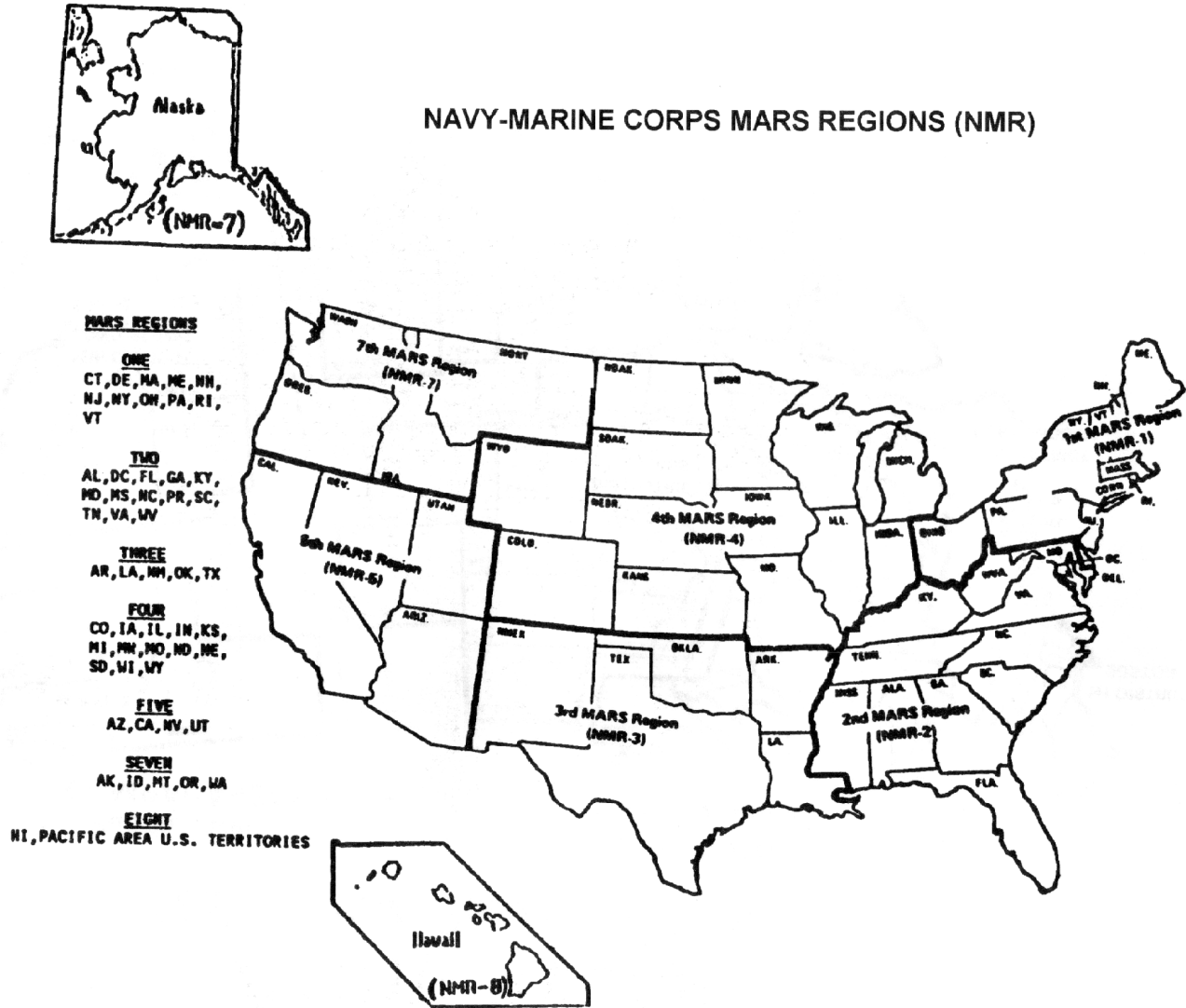


Figure 5: U.S. Army Area Coordinators

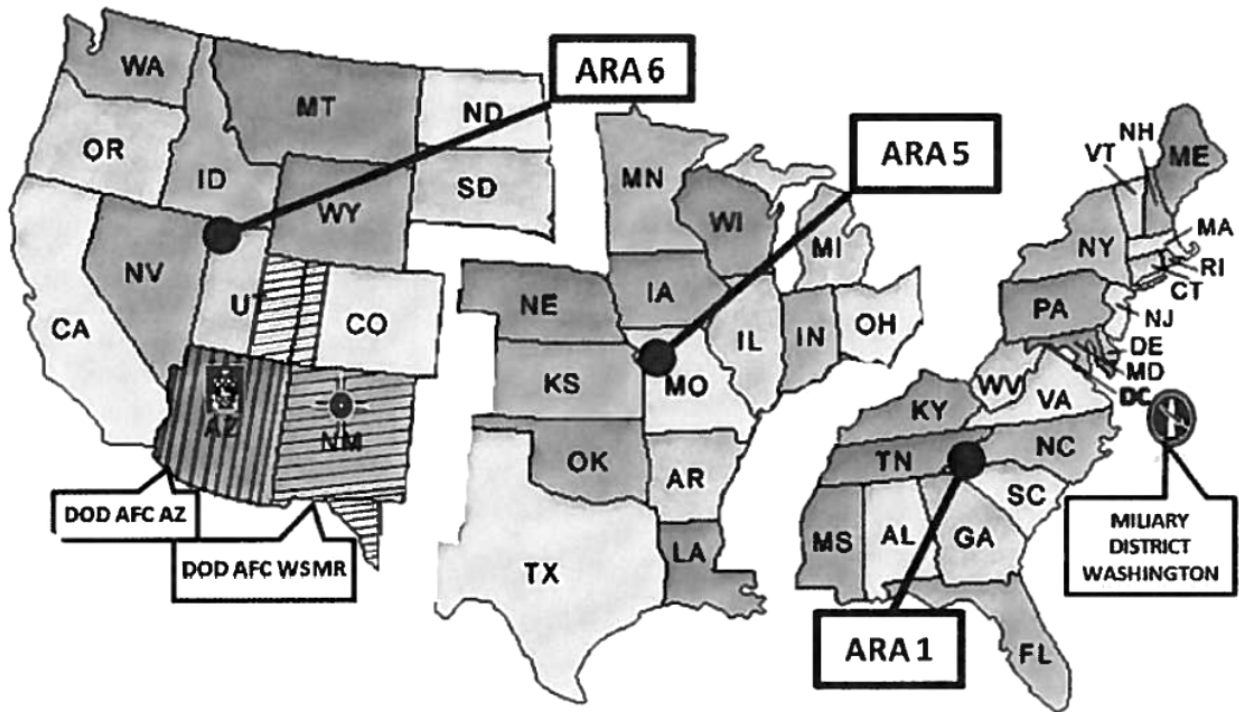


Figure 6: U.S. Army Area Frequency Coordinators

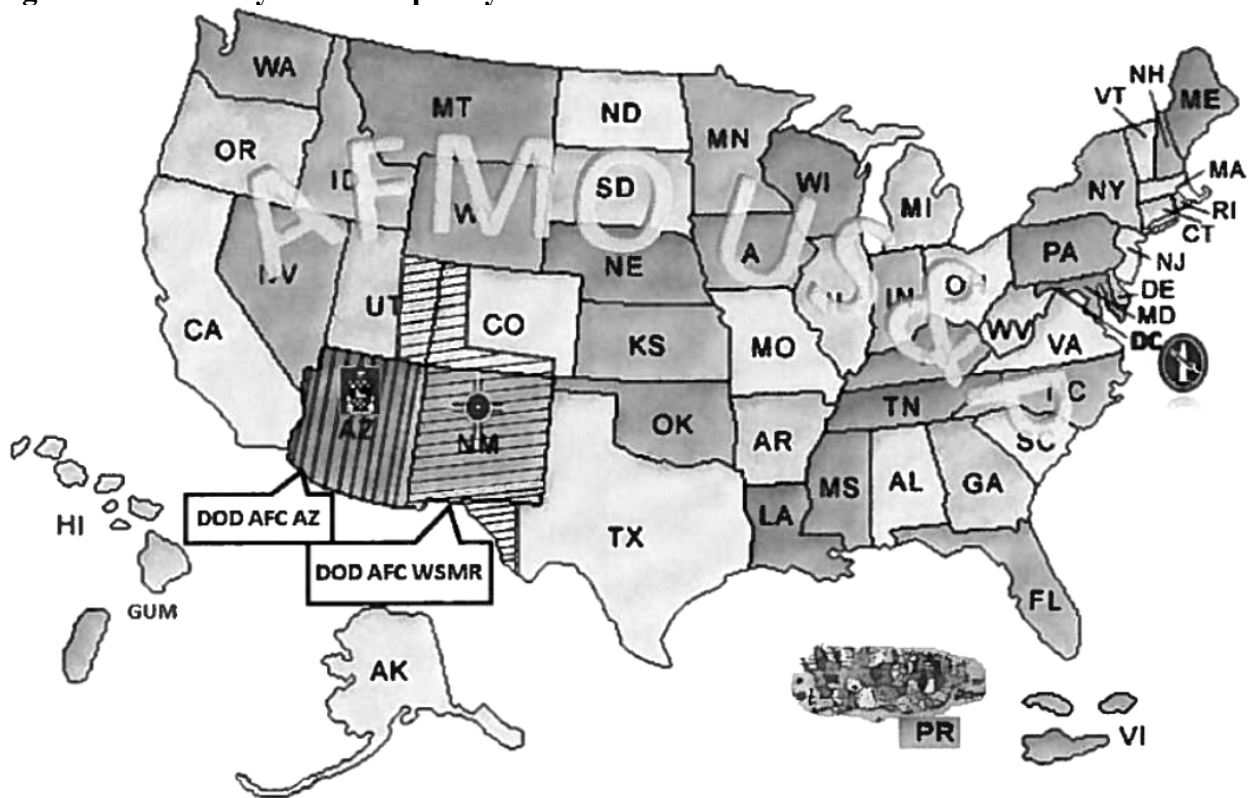


Figure 7: Nuclear Regulatory Commission Regions

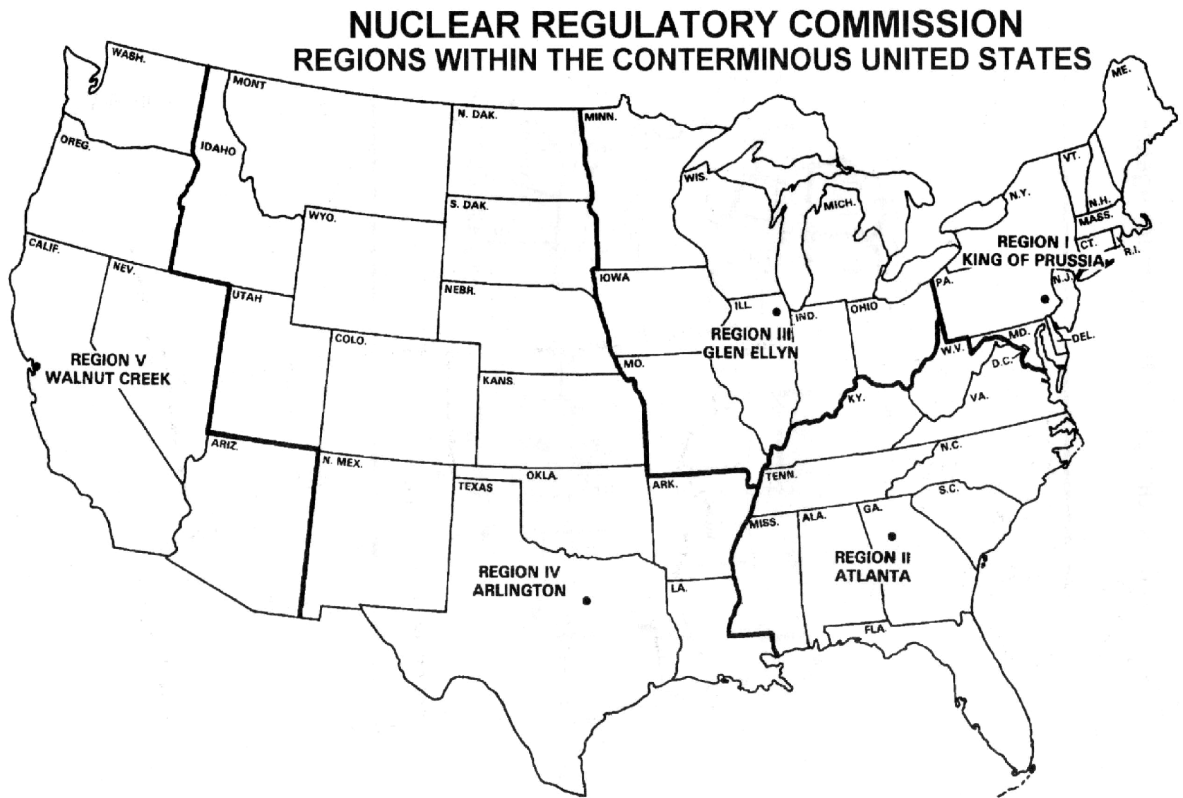


Figure 8: Federal Emergency Management Agency Regions



Figure 9: U.S. Environmental Protection Agency Regions

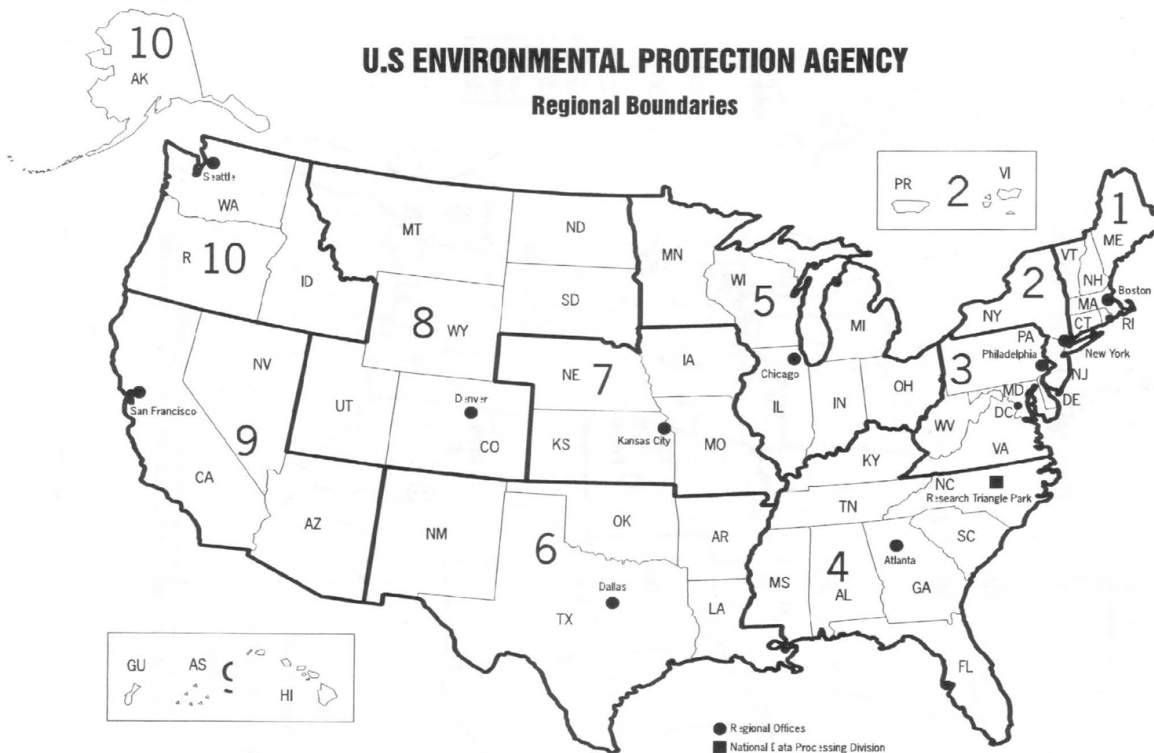


Figure 10: General Services Administration Regions

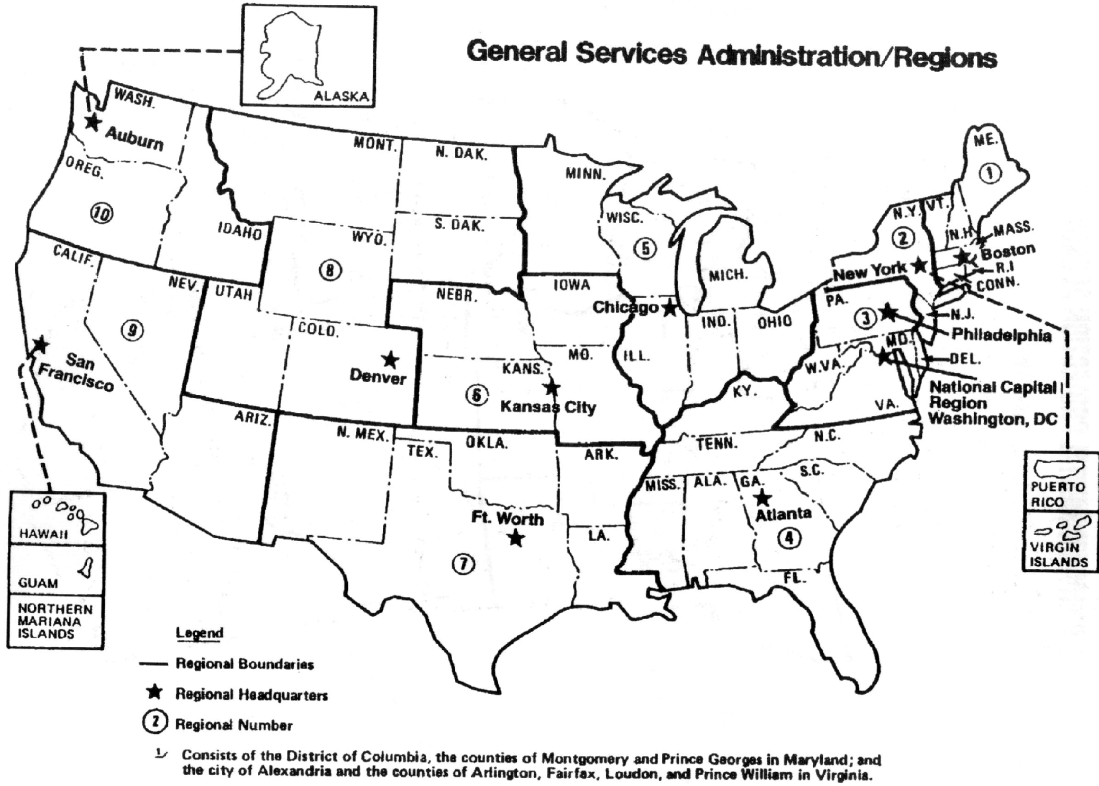


Figure 11: U.S. Air Force Mars Regions

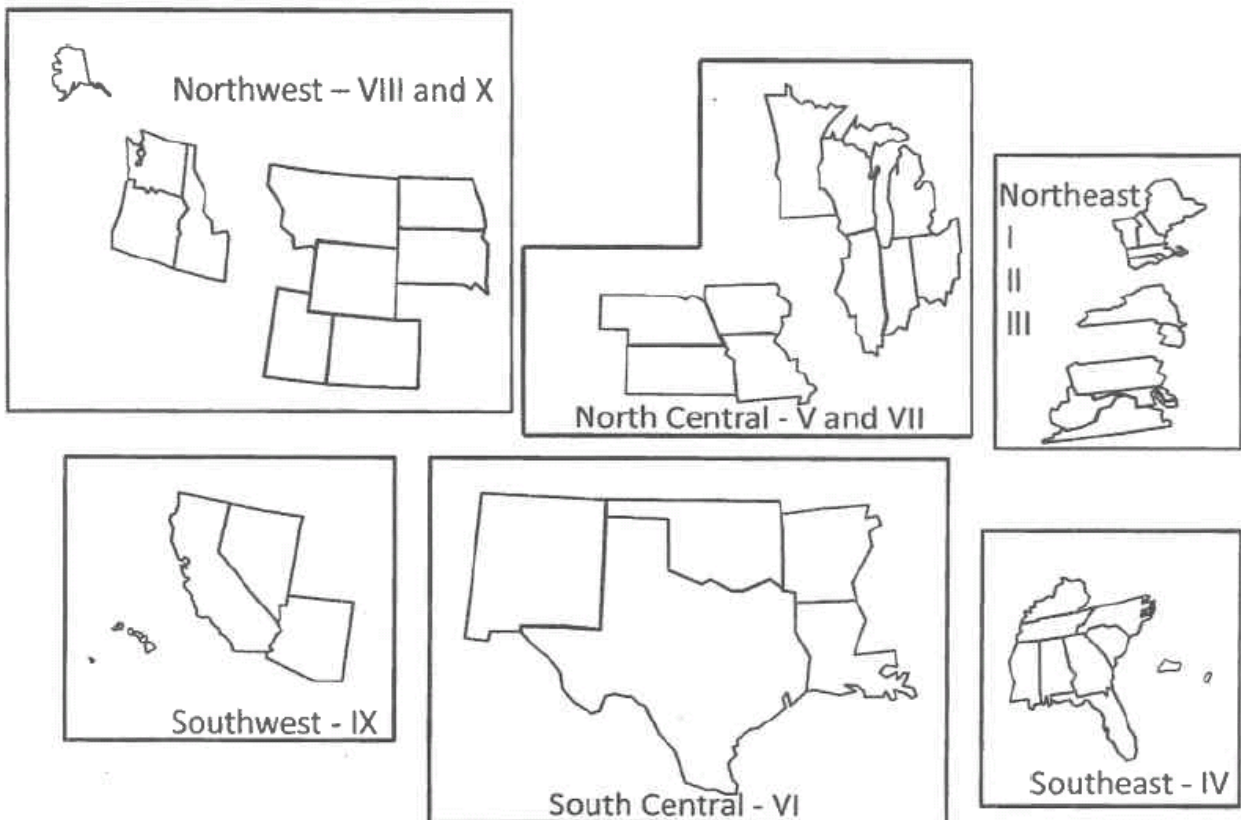
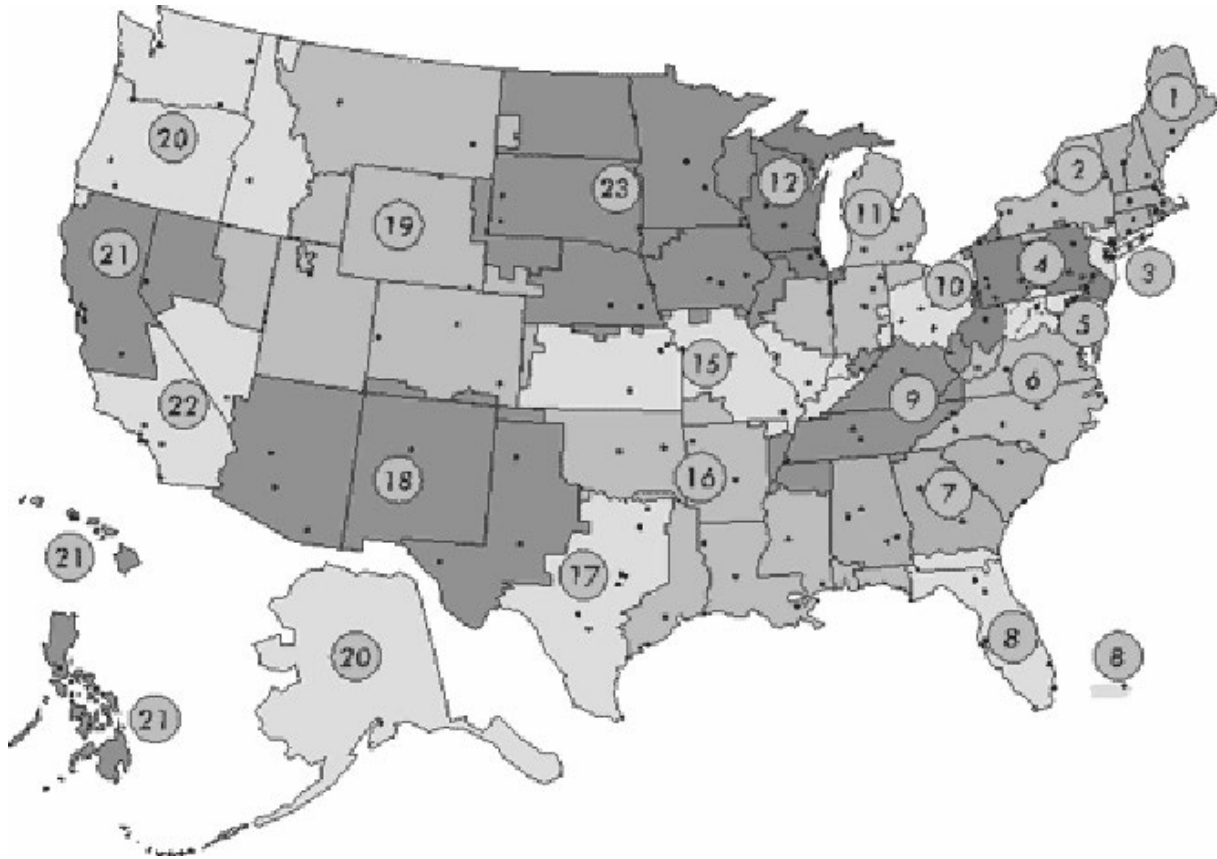


Figure 12: Veterans Affairs Health Administration Integrated Service Network by (VISN) by Boundaries



G.4 COMMON ABBREVIATIONS

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

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		AAT	Airsys ATM
AAC	AACOMM, Inc.	ABN	Aruba Networks
AAI	Aircraft Armaments Inc.	ACC	ACE Communications
AAO	Aero Astro LLC	ACE	Aeronautical Communications Equipment Inc.
AAS	AES Corporation	ACI	Air Communications Inc.

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

BZR	Bonzer, Inc.	CRB	Commercial Resources Communications
BSC	Braxton Services Company	CRP	Concord Electronics Corp.
C		CRT	Cartwright Electronics Inc.
CAB	Campbell Manufacture Company, Ltd.	CRU	Cruise Technology
CAC	Cessna Aircraft Co.	CSC	Customs Signal Corp.
CAI	Communications Associates, Inc.	CSD	Cobham
CAM	Cambium Networks	CSI	Control Science, Inc.
CAP	Communications Applied Technology	CSP	CSpeed
CAR	Canadian Radio Corp.	CTE	CEA Technologies
CAT	Canadian Telephone Co.	CTL	Crescend Technologies LLC
CAV	Cavotec Microcontrols	CTM	Continental Microwave & Tool Co.
CAW	CalAmp Wireless Network Corporation	CTR	Cattron, Inc.
CBE	Crown Broadcast Electronics	CTW	Commtech Wireless
CBM	CBM Electronics	CUB	Cubic Co.
CBS	Campbell Scientific, Inc.	CUS	Cush Craft
CCB	Control Chiefs, Inc.	CWE	Comwave
CCC	Cadion Communications Corp.	CWI	Cartwright, Inc.
CCD	Control Industries	CYB	Cybermation
CCF	Coastal Climate Company	D	
CCI	Communications Carriers, Inc.	DAE	Davco Electronics Inc.
CCJ	Communications Co., Inc.	DAN	Daniels Electronics Limited
CCP	Continental Electric Corporation	DAT	Data Control Systems
CDD	Combat Direction Systems Activity Dam Neck	DBM	Three DBM Systems
CDN	Cardian Electronics	DCE	Decatur Electronics, Inc.
CDP	Codan Pty, Ltd.	DCI	Defense Communications Engineering Inc.
CDS	Cubic Defense Systems	DCM	Delcom
CEC	Continental Electronics Corporation	DCT	De Tect, Inc.
CEG	Ceragon Networks Inc.	DDL	Doodle Labs
CEL	Colorado Electronics	DEA	Decca Radar Ltd. UK
CEM	Continental Electronics Manufacturing Co.	DEC	dbSpectra Systems
CEO	Celesco Industries	DEL	Del Mar Avionics
CER	Centry Research Corp.	DES	Delstar Corp.
CET	CETEC Vega	DET	Detroit Bullet Trap Co.
CFM	California Microwave	DIG	Digital Radio
CHM	Chesapeake Microwave	DII	Digi International Inc.
CIC	Cubic Industrial Corp.	DIT	Digitize, Inc.
CIN	Cincinnati Electronic Corp.	DIX	Dixon Industries Corp.
CIS	Cisco	DLN	Del Norte
CKI	CACI International, Inc.	DMC	Digital Microwave Corp.
CLN	Ciello Networks	DMI	Data Marine International
CLO	Ciello Digital Radios	DMS	Detection Monitoring Technologies
CLU	Campbell Scientific Inc. Of Logan Utah	DNT	Del Norte Technology, Inc.
CMI	CMI, Inc.	DOR	Dorsett Laboratories
CMO	Canadian Motorola	DOS	Dorsett Electronics Division (LaBarge, Inc.)
CMS	Commscope	DRA	Drake RF Co.
CMT	COMMTACT, Inc.	DRI	Decca Radar, Inc.
CMU	Communitronics Ltd	DRK	Data Radio Corp.
CNC	Conic Corp.	DRS	DRS Technologies
CNI	Contraves Italiana	DSI	Delta Sigma Inc.
COA	Communication Specialities	DSY	Defense Systems, Inc.
COB	Cobra	DTA	D-TA Systems Inc.
COC	Communication Co.	DTC	DTC Communications
COI	Comtech Lab, Inc.	DTE	Daytong Electronics, Ltd.
COL	Collins Radio Co.	DTM	Datum
COM	Comrex	DTW	Datawell
CON	Continental Electronics, Ltd.	DUO	Duotech
COP	Communications Products Co.	DWI	DragonWave Inc.
COS	Cosser Electronic	DXR	DX Radio Corp.
COU	Courier Communications, Inc.	DYC	Dynamic Communications
CPI	CPI, Communications	DYN	Dynetics, Inc.

DYS	Dynascan Corp.	FOR	Fort Worth Tower Co.
E		FOT	Fortress Technologies
EAD	European Aeronautic Defense and Space Co.	FRC	First RF Corp.
EAI	Elta-Ashdod Israel	FRF	FRF Communications
EAR	Earmark, Inc.	FRW	Freewave Inc.
ECL	Eaton Corp. AIL DIVN.	FSG	Futurecom Systems Group Inc.
ECH	Echodyne Corp.	FUJ	Fujitsu Tem Corp. of America
ECR	Edcor	FUR	Furuno
EDO	EDO Corp.	FUT	Futaba
EDR	EDO Aire	G	
EEE	EMCEE, Co.	GAA	General Atomics Aeronautical Systems
EFD	EF Data	GAE	General Aviation Electronics
EGX	Energy-Onix	GAI	Garmin International
EIP	Electromatic, Inc.	GAL	Granger Associates, Ltd.
ELA	Ellason	GAT	Gates Radio Co.
ELM	Electronic Material International, Ltd.	GCS	Globecom Systems Inc.
ELS	Electromagnetic Sciences, Inc.	GDE	General Dynamics/Electronics
EMA	Electro Magnetic Sciences Co.	GDI	Godfrey Engineering, Inc.
EMC	Electronics Missiles Communications, Inc.	GDP	GDP Space Systems
EMH	Electro-Mechanics Co.	GEC	GEC Telecommunications, Ltd.
EMI	EMI-Cossor Electronics Ltd. or EMI Marine Division	GEL	General Electronics Laboratories, Inc.
EMR	Electro Mechanical Research, Inc.	GEM	Gem Marine Products
ENI	Electronic Navigation Instruments	GEN	General Electric Corp.
ENT	Enerdyne Technologies Inc.	GEP	Genesys Systems
EPS	EPSCO, Inc.	GEV	Genave
ERA	Ericsson, L.M. Ltd.	GIC	General Instrument Corp.
ERD	Emhiser Rand	GIT	Georgia Institute of Technology
ERI	Electronics Research Industries	GLB	GLB Electronics, Buffalo, N. Y.
ERN	Erichson	GLM	Global Microwave Systems
ERX	Emhiser Research, Inc.	GLS	Globalstar LLC.
ESC	Esco	GMC	General Motors Corp.
ESD	ESL, Inc.	GME	General Microwave Services
ESE	Electronic System Technology	GMI	General Microwave Corporation
ESI	Energy Systems, Inc.	GMS	Galaxy Micro Systems, Inc.
EST	Electric Service Co.	GMW	Global Microwave, Inc.
ETC	Eagle Telecom	GNI	GPS Networking Inc
ETE	Enterprise Electronics, Inc.	GON	Gonset Corp. or Gonset Division of Aerotron or Dumont Division of Gonset
ETR	Ecatek, Inc.	GOT	Gotenna
ETS	Electronic Systems Technology	GPS	GPS Source Inc.
EWR	EWR Weather Radar Systems	GRA	Granger Associates or Bauer Broadcast Division of Granger
EXA	Exalt Communications Inc.	GRC	General Radio Co.
EXI	EXICOM New Zealand, Ltd.	GRO	Ground Data Corp.
EXT	Executone, Inc.	GRT	General Radiotelephone Co.
F		GRY	Gryphon, Inc.
FAA	Federal Aviation Administration	GSI	Geophysical Survey Systems, Inc.
FAL	Frant, Alan I.W.	GYE	Glenayre
FAP	Fran Air Products Co.	H	
FAR	Farnsworth TV Radio	HAC	Harris Corp.
FAS	Ford Aerospace Corp.	HAD	Harris Aerospace Systems Div.
FEC	Farinon Electric	HAN	Handar Company
FER	Ferguson Communications, Inc.	HAR	Harvey Radio Laboratories, Inc.
FFS	Free Flight Systems	HDS	Household Data Services, Inc.
FGI	Fleetwood Group, Inc.	HEL	Hermes Electronics
FLL	Flight Refuel, Ltd.	HEP	Hewlett Packard
FLR	FLIR Systems Inc.	HFI	Harris Farinon, Inc.
FLT	Flite-Tronics	HFR	Haigh-Farr, Inc.
FMI	Farinon Microwave	HIC	Harris Intertype Corp.
FMN	Fluid Mesh Networks	HII	Herley Industries
FMU	Fmuser		

HIS	Highway Information Systems, Inc.	JHU	Johns Hopkins University
HIT	Hitec RCD Inc.	JMA	JMA Wireless
HME	Hartman Marine Electronics Corp.	JOH	Johnson E.F.
HMI	HM Electronics, Inc.	JOT	Jotron USA, Inc.
HMS	Herley Microwave Systems	JRC	Japan Radio Co.
HNS	Hughes Network Systems	JTC	Janteq Corp.
HON	Honeywell	K	
HOR	Horizon	KAR	Kaar Engineering
HOU	Houston Radar	KDK	KDK Inc.
HRC	Henry Radio Co.	KED	Kenwood
HRS	Hendy Radio Service	KEL	Kelvin Hughes, Ltd.
HSA	Hallands Signal Attaraten	KEN	Kennedy Co.
HSC	Hawkeye Systems Corp.	KFE	K-F Electronics
HSI	Hi Sierra	KIG	Kingfisher
HTI	Hamtronics, Inc.	KIN	King Radio Corp.
HTS	HT Systems	KLT	Leltron Corp.
HUA	Huawei Technologies Co. Ltd.	KOD	Koden America, Inc
HUG	Hughes Aircraft Co.	KON	Kongsberg Seatex AS
HUL	Hull Electronics Co.	KRA	Kraft Systems
HYD	Hydrolynx	KRS	Kratos
HYE	Hy-Gain Electronics Corp.	KST	Keysight Technologies, Inc.
HYP	Hyperlink Technologies	KTA	Keltron Corporation
HYT	Hytera America	KTI	Keltec Industries
I		KTS	Koos Technical Services
IBI	IBIS Tek	KUS	Kustom Signal Corp.
IBM	International Business Machine Co.	KUX	Kustom Electronics Inc.
ICM	ICOM	L	
ICO	International Corp.	LAB	La Barge, Inc.
ICS	Industrial Comm Systems	LAC	Loea Corporation
ICX	ICX Technologies	LAN	Lance Antenna Corp.
IEC	IEC Electronics Corp.	LAR	Largo Electronic Manufacturers Inc.
IFR	Instrument Flight Research Corp.	LCA	Univ. of Lowell Center for Atmospheric Research
ILS	International Laser Systems, Inc.	LCT	Locata Corp.
IMC	International Microwave Corp.	LCW	L3 Harris
IMR	Imsar LLC	LDS	Loral Data Systems
IMS	International Meteorological Systems	LEA	Lear, Inc.
IMT	Integrated Microwave Technologies	LED	Lucas Ledex
INC	INTRAC	LEN	Lenkurt Electric Co.
INE	Intech, Inc.	LEO	Leonardo
INN	Innoflight, Inc.	LET	Lectrosomics, Inc.
INT	Interstate Electronics Co.	LII	Litton Industries
IPA	IP Access	LIG	Ligowave
IRC	Islip Radio Corp.	LIL	Lincoln Laboratory
IRD	Iridium	LLL	Lawrence Livermore Laboratory
IPW	IP Wireless	LMB	Lambda RF Systems
ISC	International Signal Control	LNR	LNR Communications, Inc.
ISS	Information Station Specialist	LOA	Los Alamos National Laboratories
ITF	ITT Defense Communications	LOC	Lockheed Electronics
ITG	ITT Gilfillan	LOE	Loral Electronics Corp.
ITM	ITT Mackay Marine	LOM	Lockheed Martin Astro Space
ITO	ITT Aerospace/Optical	LOR	Lorrain County Radio Corp.
ITP	International Telephone & Telegraph Corp. or ITT Industrial Products	LOS	Lockheed Sanders, Inc.
ITS	ITT Standard	LPB	Low Power Broadcast Co.
ITT	ITT Federal Laboratories	LPO	Linear Photonics
J		LRD	Laird Technologies
JDE	John Deere	LSC	L-3 Space Communications
JDT	Johnson Data Telemetry Corp.	LSI	Liteye Systems, Inc.
JEP	Jet Propulsion Laboratory	LTC	L-3 Communications
JER	Jerrold Electronics Corp.	LUC	Lucos Air Space
		LUM	Lumistar

LUX	Luxul Corporation	MOO	Moog Inc
LYN	Lynch Communications Systems, Inc.	MOT	Motorola Corp.
M		MOX	Mobile Communications
MAB	M/A Comm AC, Inc.	MPH	MPH Industries, Inc.
MAC	Marconi Instruments, Division of English Electronics	MPI	Microwave Products, Inc
MAE	Marine-Air Systems, Ltd.	MPN	Multipoint Network
MAG	Magnavox Co.	MRC	Midwest Radio Corp.
MAI	Moseley Associates, Inc.	MRE	Monikor Electronics
MAM	M/A COMM MAC	MRF	Mid-Atlantic RF Systems
MAR	Mark Products Co.	MRK	MikroTik
MAS	Mid American Relay Systems	MRR	Marti
MAT	Matrix Research Inc.	MRS	Micro Systems, Inc.
MAX	Maxson Electronics Corp. (Electronics Design)	MRT	Marti Electronics
MAZ	Mas Zengrande LTD	MSD	Marconi Space and Defense Systems
MBE	Marcel Bassaulet Electronics	MSY	Meteric Systems Corp.
MBR	Malibu Research	MTI	Mobile Telesystem, Inc.
MCA	Microair Avianics Pty Ltd	MTK	Metek GMBH
MCC	Microcom Corp.	MTN	Monitron Corp.
MCE	Micro Electronics	MTR	Meteor, Communications Corp.
MCI	Marconi Radio	MTS	Mobile Telesystems
MCJ	Marconi Electronics	MUT	Multitone Electronics, Ltd.
MCL	Microwave Cavity Laboratory	MVI	M/A-COM Video Systems, Inc.
MCN	Morris Communications Co	MWB	Microwave Bypass Systems
MCO	Micro Communications Co.	MWI	Microwave Innovations
MCS	Mercury Systems	MWO	Microwave Radio Corp.
MCT	Micro Control Specialities	MWS	Microwave Sensors
MDC	Microdyne Corp.	MWT	Marconi Wireless Telegraph Co., Ltd.
MDH	Madah-Com	MXN	Maxon Electronics, Inc.
MDM	Microwave Design Manufacturing, Inc.	N	
MDS	Metrodata Systems	NAS	Navico
MDY	Microwave Data System	NAU	Nautel
MET	Metrotek Electronics Co.	NAV	Naval Avionics
MTX	Morfax, Ltd.	NCC	Nutex Communications Corp
MGD	Meggitt Defense Systems	NEA	NEC America, Inc.
MGI	Megapulse, Inc.	NEC	Nemsclarke
MGT	Magnetek	NER	Nera
MHR	Minneapolis Honeywell Regulator	NEU	Neulink, Divn of Celltronics
MHS	Microhard Systems Inc.	NMT	New Mexico Tech
MIB	Mitsubishi Denki Co. or Mitsubishi Electric	NOC	Northrop Corp.
MIC	Microdot, Inc.	NOI	Nokia
MID	Microfix Instruments, Ltd.	NOR	Northeast Medal Industries
MIE	Mitre Corporation	NOV	Nova-Tech/Avionics or Nova Tech Inc.
MIL	Micro-Linke Corp.	NRA	Northern Radio Co. or Northern Electronic Co.
MIN	Midland Intl. Corp.	NRB	NARCO
MIT	Minatronics Corp.	NRC	National Aeronautic Corp.
MIW	Microwave Associates, Inc.	NSI	Nady System, Inc.
MKY	Mackay Radio-Telegraph Co.	NSM	News And Sports Microwave
MLR	R. A. Miller Industries	NTA	Verint Systems Inc.
MMA	Martin Marietta Air Space	NUC	Nucomm
MMI	Microwave Monolithics Inc.	NUW	NuWaves Engineering
MML	Micromil Electronics, Ltd.	NVL	Novalynx Corp.
MMT	Millimeter Wave Technology	NVR	Novra Technologies Inc.
MNE	Mnemonics Inc.	O	
MNI	Microwave Network, Inc.	OAI	Oklahoma Aerotronics, Inc.
MNO	Microwave Innovations	OAQ	OAQ Corp.
MNT	Montec (Divn of E-Systems)	OAR	Ocean Applied Research Corp.
MOC	Model Rectifier Co.	OCA	Obstruction Collision Avoidance System Inc.
MOD	Modar Electronics	OMB	OMB Sistemas Electronicos S.A.
MOE	Monaco Enterprises, Inc.	OMN	Omnitek
MON	Monitor Electronics	OPH	Ophir

OPS	Opos Electronics	RAY	Raytheon Co. or Raytheon Manufacturing Co.
OSC	Orbital Sciences Corp.	RCA	Radio Corporation of America
OSL	Orbital Systems, LTD	RCE	R3 Engineering
OTX	Omni Tronix	RCN	Racon, Inc.
P		RDA	Radair, Inc.
PAD	Pacific Advanced Engineering, Inc.	RDC	Raven Defense Corp.
PAE	Park Aire Electronics	RDE	Radtec Engineering
PAS	Park Air Systems	RDL	Redline Communications, Inc
PAU	Pauldon	RDN	Raydyne, Inc.
PAV	PAVCO	RDR	RDRTec Inc
PCM	Pacific Communications	RDW	Radio Waves Inc.
PCR	Pacific Crest Corp.	REG	Ross Engineering
PCS	Proportional Control Systems	REI	Regency Electronics, Inc.
PDL	Paradise Datacom LLC/LTD	REL	Radio Electronics Laboratories
PEA	Pearce Simpson, Inc.	REP	Repco, Inc. or R.G.P. Co.
PEG	Peninsula Engineering Corp.	REU	Reutech
PER	Persistent System	RFC	RF Communications Associates, Inc.
PFE	Professional Electronics	RFE	Rafael
PHI	Philco Corp.	RFI	Radio Frequency Communications, Inc.
PHX	Phoenix Contact	RFT	R. F. Technology
PLE	Plessey Company, Ltd. (UK)	RGC	Ranger Communications
PMH	Pacific Microwave Research	RHG	RHG Electronics Laboratories
PMX	Primex Wireless Clock System	RHT	Radio Hill Technologies
POE	Pointer Electronics	RIE	Rockwell International Electronics
PPI	Peter Pepper Inc.	RIT	Ritcon, Inc.
PRI	Polytronics Research, Inc.	RMC	Relm Communications, Inc.
PRL	Polar Research Lab.	RMO	Ramona Research
PRM	Protium Technologies Inc.	RMT	Remotec, Inc.
PRO	Podelin, Inc.	RMX	Radiometrix
PRS	Prosensing Inc.	ROC	Recon Optical, Inc.
PRT	Pitchard Brown	ROE	Robinson Engineering Co.
PRX	Poxim	ROS	Rohde Schwarz
PSI	Planning Systems Incorporated	ROT	Rothenbuhler Engineering
PST	Pwer Systems Technology, Inc.	RQM	Racon, Inc. Quality Microwave
PTI	Ptection Technology, Inc.	RRC	Radio Receptor Co.
PTK	PTEK Corporation	RSI	Radio Systems, Inc.
PTN	Peraton Labs	RSM	Radio Specialty Manufacturing
PYR	Pyramid Co.	RSS	RS Systems, Inc.
Q		RTK	REFTEK
QEI	QEI Corp.	RTL	RT Logic
QEN	Quadrant Engineering, Inc.	RTR	Ritron, Inc.
QNA	Qinetiq North America	RWC	Rockwell, Collins
QUA	Qualimetrics Corp.	S	
QUC	QALCOMM	SAB	SAAB
QUI	Quintron Corp.	SAC	Sabre Communications Corp.
QUS	Quasonix Systems	SAD	Sandia Corp.
QUT	QUALI-TRON	SAL	Salco Manufacturing Co.
QWC	Quarterwave Corp.	SAT	Sarkes Tarzian, Inc.
R		SCA	Scala Radio Corp.
RAC	Racal Communications, Ltd.	SCC	Secode Corp.
RAD	Radiation, Inc.	SCE	Sericore
RAE	Racal Electronics, Ltd.	SCI	Scientific Atlanta Co.
RAG	Radian Corp.	SCM	SCM Melabs, Inc.
RAI	RADA Electronics Industries	SCN	Scintec Corporation
RAJ	Ray Jefferson Co.	SCT	Science Applications International Technology, Inc.
RAM	Raymarine Inc.	SCX	Sensor Concepts Inc.
RAN	Rantec Corp.	SDC	Space Data Corporation
RAS	Radio Shack	SDI	Safety Devices, Inc.
RAV	Raveon Technologies	SEA	Sears Roebuck Co.
RAW	Radwin		

SEC	Struthers Electronics Corp.	STB	Standard Communications
SEI	Seiscor Manufacturing Co.	STC	Sagetech Corp.
SEL	Selenia S.P.A. (Italy)	STD	Standard Elektrik Lorenz
SEM	Seatron, Inc.	STE	Stephenson
SEN	Sennheiser Electronic Corp.	STN	ST Engineering
SEO	SEMCO	STM	ST Microwave
SEP	Shakespeare Electronic Product Group	STR	Stromberg Carlson Products Co.
SER	Servo Corp. of America	STS	Standard Electrica S.A.
SFC	Safecom (Radionics)	STW	Stewart Warner Corporation of Canada, Ltd.
SFI	Stanford Telecommunications, Inc.	STX	SI-Tex Marine Electronics, Inc.
SGC	Sperry Gyroscope Company of Canada, Ltd.	STY	Sensor Technology Systems, Inc.
SHU	Shure Brothers, Inc.	SUM	Summers & Mills
SIC	SRI International	SUN	Sunair Electronics, Inc.
SID	Sierra Digital	SUR	Sur-Tec, Inc.
SIE	Sierra Electronic Division of Philco	SUT	Sutron Co.
SIG	Signal Communications	SWM	Southwest Microwave Co., Inc.
SIH	Siemens-Halske	SWR	Southwest Research Institute
SII	Sirit Corp	SYA	Syracuse Research Corp.
SIK	Siklu Communications Ltd.	SYE	Systems Engineering & Management Corporation
SIL	Silvus Technologies Inc.	SYL	Sylvania Electronics Defense Laboratory or Sylvania Electronics Products
SIM	Simpson Electronics	SYN	Synergetics
SIN	Spectrum Communications, Inc.	SYS	Systron Donner Corp (Demornay Bonardi)
SIP	Sippian Ocean Systems	T	
SIR	Sitra	TAC	Technical Appliance Corp.
SLI	Silicon Laboratories	TAE	Tait Electronics, Ltd.
SMN	Summation Research, Inc.	TBL	Trimble Navigation
SMO	Sierra Misco	TBN	Tayburn
SMT	Samson Technologies Corp.	TCD	Techdyn Systems Corp.
SMW	Southern California Microwave	TCM	TCOM Industries, Inc.
SNC	Sierra Nevada Corp.	TCT	Transcidtronic
SNI	Seamarine International	TDC	Teledyne T/M Co.
SNS	Senstar Corp.	TDI	TeleDesign
SOA	Southern Avionics	TDL	Tidelands
SON	Sonar Radio Corp.	TDY	Tele-Dynamics
SOV	Soviet Manufactured Equipment	TEC	Telviso Electronics
SOY	Sony	TED	Teldex
SOZ	Southcom International, Inc.	TEI	Texas Instrument, Inc.
SPA	Spar Aerospace, Ltd.	TEL	Telrex Laboratories
SPB	System Planning Co.	TEN	Teletronix Engineering Co.
SPD	Sperry Corp.	TEO	Telemotive
SPE	Space Electronics	TEP	Tepco Corp.
SPI	Spirent	TEQ	Tenna Corp.
SPN	Sparton Electronics	TER	Terra-Com
SPO	Spotter RF	TES	Technisonic Industries
SPR	Sperry Corp. or Servo Corporation of America	THA	Thales ATM
SPX	SpaceX	THC	Thomson CSF
SPZ	Sperry Marine Systems	THY	Technology Service Corp
SQA	Square D Co.	TIA	Television Technology Corp.
SQL	Spacequest LTD	TIE	Tel Instrument Electronics
SRC	Schuberth Rider Communication	TII	Teledyne Industries, Inc.
SRE	Systems Technology Research	TIL	Transcript International
SRM	Sierra Monolithics, Inc.	TIM	Time Domain Corporation
SRS	Scientific Radio Systems, Inc.	TIN	Telinstrument Co.
SRU	SATEL Radio USA	TIS	Tadiran Israel Industries, Ltd.
SSA	Selex Sensors and Airborne Systems Ltd.	TKL	Teklogix, Inc.
SSN	Sensis Corp.	TKM	TEK Mark Company
SSR	Sensor Systems	TKT	Turnkey Technology
SST	Surrey Satellite Technology	TLA	Telonica Corp
SSY	Stellar System		
STA	Standard Electronics		

TLC	TRT Groupe	VAL	Valcom, Ltd.
TLF	Telefunken Gmbh.	VEC	Vector Manufacture Co.
TLP	Telephonic Corp.	VEG	Vega Electronics Corp.
TLR	Telline Radio	VER	Versa-Count
TLX	Telex Co.	VEX	Vertex Communications Corp.
TMA	Tampa Microwave	VHF	VHF Engineering Co.
TMC	Technical Materiel Corp.	VIA	Victoreen Instrument Co.
TMD	TMC Systems & Power Corp. or Telemotive Division of Dynascan	VIL	Vitel
TMN	Tallysman	VIS	Visual Manufacturing Division
TMR	Terma Elektronik	VIT	Vitro Electronics
TNC	Technocom	VIX	Vista Manufacturing Co.
TNI	Telenetics Inc.	VIZ	VIZ Corp.
TNS	Telonics	VLK	VISLINK Plc.
TOA	Townsend Associates	VST	Viasat Technologies Co.
TPL	Technology Proprietary, Ltd.	VSX	Visiplex
TRA	Transco Products, Inc.	VTC	Vectran Corp.
TRB	Trans World Communications, Inc.	VTX	Vortex Systems
TRC	Terrasat Corporation Inc.	VYT	Vytek, Inc.
TRI	Tracor, Inc.	W	
TRL	Trollsystems Corp.	WAT	Washington Technological Assn., Inc
TRM	Tram/Diamond Corp.	WAV	Wavetek
TRN	Tran-Com	WBL	Weibel Scientific, Inc.
TRP	Tri-Com, Inc.	WEI	Ward Electronic Industries
TRW	TRW Electronics	WES	Westinghouse Electric Co.
TRZ	Travelers Information Services, Inc.	WHD	Windermere HDS
TSB	Transcience	WHE	Whelen
TSC	Teledyne Systems Co.	WIL	Wilcox Electric Corp.
TSI	Tactical Systems, Inc.	WIN	Wind Data
TSS	Telesystems, Inc.	WJO	Watkins Johnson Co.
TST	Triasys Technologies	WLC	Wilson Electronic Corp.
TTC	Titian Corp.	WMX	Western Multiplex Corporation
TTG	Telectronics Technology Corporation	WOD	Wood and Douglas
TTK	Tron-Tek, Inc.	WOU	Quanzhou Wouxun Electronics Co., LTD.
TTS	Telesciences Transmission System, Inc.	WRL	World Radio Laboratories
TTT	Tactical Technology, Inc.	WUL	Wulfsberg Electronics
TWS	Tracwell Systems Inc.	X	
TWT	Trellisware Technologies Inc.	XCM	Xicom Technology
TYC	Tycho-Tech	XON	Xontech, Inc.
U		XTR	Xetron Corp.
UAV	Uavionix Corporation	XWV	Xetawave LLC.
UBI	Ubiquiti Networks Inc.	Y	
UBL	Ublox	YDI	Yarnell Data, Inc.
UDN	Uniden	YEA	Yaesu
ULT	Ultra Electronics 3ETI	Z	
UNI	Univac Corp.	ZDS	Zodiac Data Systems
UNS	Unisys Corp.	ZEP	Zephyrus
USE	Use Corporation	ZET	Zeta Laboratories
USN	Universal Space Network Inc.	ZVA	Ziva Corporation
V			
VAI	Vaisala		

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

ANTENNA NAME	ABBREVIATION
Annular slot	ANULARSLOT

ANTENNA NAME	ABBREVIATION
Batwing	BATWING
Biconical	BICONICAL
Biconical Dipole	BICONCLDPL
Blade	BLADE
Bowtie	BOWTIE
Cassagrain	CASSEGRAIN
Cavity Array	CAVITYARRY
Coaxial Collinear	COAXCOLLNR
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
Helicone	HELICONE
Helix	HELIX
Helix Array	HELIXARRY
Horn	HORN
Leaky Coax	LEAKYCOAX
Linear Array	LINEARARRY
Log Periodic	LOGPERIODC
Longwire	LONGWIRE
Loop	LOOP
Loop Array	LOOPARRAY
Microstrip	MICROSTRIP

ANTENNA NAME	ABBREVIATION
Microstrip Array	MCRSTRPARY
Monopole	MONOPOLE
Monopole Array	MONOPLARRY
Panel	PANEL
Parabolic	PARABOLIC
Parabolic Cylinder	PARABLCCYL
Patch	PATCH
Patch Array	PATCHARRAY
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
Slotted Waveguide Planar Array	SLTWGPLNRA
Spherical Reflector	SPHRCLFLCT
Spiral	SPIRAL
Stacked Array	STACKDARRY
Stacked Cross Dipole	STKCRSDPL
Stacked Dipole	STCKDIPOLE
Stacked Yagi	STACKDYAGI
Strip Line	STRIPLINE
Stub	STUB
Swastika	SWASTIKA
Symmetrical Tee	SYMMETRCTE
Tophat	TOPHAT
Tower	TOWER
Turnstile	TURNSTILE
V Ring	VRING
Waveguide	WAVEGUIDE
Waveguide Array	WAVEGDARRY
Whip	WHIP
Yagi	YAGI
Yagi Array	YAGIARRAY

(Last Page in Annex G)