

ANNEX G

Abbreviations

G.1 AGENCY, BUREAU, AND OTHER ORGANIZATIONAL ABBREVIATIONS

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

Agency	Bureau	Abbreviation
Agency for International Development		AID
Agriculture, Department of		A
	Animal and Plant Health Inspection Service	APHIS
	Agriculture Research Service	ARS
	Cooperative State Research Education & Extension Service	CSRE
	Farm Service Agency	FSA
	Farmers Home Administration	FHA
	Food & Nutrition Service	FNS
	Forest Service	F
	Forest Service - Region 1	F1
	Forest Service - Region 2	F2
	Forest Service - Region 3	F3
	Forest Service - Region 4	F4
	Forest Service - Region 5	F5
	Forest Service - Region 6	F6
	Forest Service - Region 8	F8
	Forest Service - Region 9	F9
	Forest Service - Region 10	F10
	Forest Service - Washington Office	FWO
	Food Safety and Inspection Service	FSIS
	Grain Inspection, Packers & Stockyards Administration	GIPS
Natural Resources Conservation Service	NRCS	
Office of Inspector General	OIG	
Office of the Secretary	SEC	
Air Force, Department of the		AF
Architect of the Capitol		AOTC
Army, Department of the		AR
	AFMO CONUS	AC
	United States Army, Alaska	AK
	Army Spectrum Management Office (outside US&P)	AR
	Corps of Engineers	CE
	Defense Information Systems Agency	DISA
	Military District of Washington	DW
	AFC, State of Arizona	HU
	U.S. Army (State of Hawaii)	HW
	U.S. Army Pacific (does includes Hawaii)	PA
	AFC, White Sands Missile Range	WS
Administrative Office of the United States Courts		AUSC
Broadcasting Board of Governors		BBG
Commerce, Department of		C
	Bureau of Export Administration	BXA
	Census Bureau	CEN
	Environmental Data Information Service	EDIS
	Environmental Research Laboratories	ERL
	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
	NOAA Marine and Aircraft Operations	NMAO
	NOAA Homeland Security Program Office	NHSP
	Patent and Trademark Office	PAT
	Office of Security	SEC
	Office of the Secretary	OSY
Coast Guard	Operating unit identifier is listed in the XRC field	CG
	Number Coast Guard Districts 1 through 17, including sub-units.	01-17
	Numbered Coast Guard Headquarters Units	20-96
	CG Headquarters, Washington, DC	98
Central Intelligence Agency		CIA
Consumer Products Safety Commission		CPSC
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	CH

Agency	Bureau	Abbreviation
	Argonne Group 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	HQ

Agency	Bureau	Abbreviation
	Office of the General Counsel Office of Hearings and Appeals 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	OR

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

Agency	Bureau	Abbreviation
Environmental Protection Agency		EPA
	Office of the Administrator/Deputy Administrator	AO
	Office of Administration and Resource Management	OARM
	Office of Air and Radiation	OAR
	Office of Enforcement and Compliance Assurance	OECA
	Office of Environmental Information	OEI
	Office of the Chief Financial Officer	OCPO
	Office of General Counsel	OGC
	Office of Inspector General	OIG
	Office of International Activities	OIA
	Office of Prevention, Pesticides, and Toxic Substances	OPTS
	Office of Research and Development	ORD
	Office of Solid Waste and Emergency Response	OWER
	Office of Water	OW
Federal Aviation Administration		FAA
	Transportation System Center	TSC
	FAA Alaskan Region	AL
	FAA Central Region	CE
	FAA Eastern Region	EA
	FAA Great Lakes Region	GL
	FAA Headquarters	HQ
	FAA New England Region	NE
	FAA Northwest Mountain Region	NM
	FAA Southern Region	SO
	FAA Southwest Region	SW
	FAA Western Pacific Region	WP
Federal Communications Commission		
	Enforcement Bureau	EB
	Office of Engineering and Technology	OET
	Office of Managing Director	OMD
Wireless Telecommunications Bureau	WTB	
Federal Mediation and Conciliation Service		FMCS
Federal Deposit Insurance Corporation		FDIC
Federal Reserve System		FRS
General Accounting Office		GAO
Government Printing Office		GPO
General Services Administration		GSA
	General Property Resources Service	D
	Office of Federal Supply and Services	F
	Office of Inspector General	J
	Office of Information Resources Management	K
	Public Buildings Service	P
Office of Federal Protection and Safety	PS	
Health and Human Services, Department of		HHS
	Department Wide	OSDW
	Immediate Office of the Secretary	OSIO
	Office of the Inspector General	OSIG
	Office of Public Health & Science	OSEP
	Administration for Children & Families	ACF
	Centers for Disease Control & Prevention	CDC
	Centers for Medicare and Medicaid	CMS
	Food and Drug Administration	FDA
	Health Care Financing Administration	HCFA
	Health Resources and Services Administration	HRSA
Indian Health Services	IHS	

Agency	Bureau	Abbreviation
	National Institutes of Health	NIH
	Program Support Center	PSC
	Substance Abuse & Mental Health Administration	SAMH
Homeland Security, Department of		DHS
	Bureau of Citizenship and Immigration Services	CIS
	Bureau of Customs and Border Protection	CBP
	Bureau of Immigrations and Customs Enforcement	ICE
	Department Offices	DO
	Federal Emergency Management Agency	FEMA
	Federal Law Enforcement Training Center	FLTC
	Federal Protective Service	FPS
	Information Analysis and Infrastructure Protection Directorate	IAIP
	Integrated Wireless Network	IWN
	Office of Emergency Communications	OEC
	Office of the Inspector General	OIG
	Office of the Secretary	O
	Science and Technology Directorate	ST
	Transportation Security Administration	TSA
U.S. Secret Service	S	
White House Communications Agency	D	
House of Representatives		HR
Housing and Urban Development, Department of		HUD
Interior, Department of the		I
	American Samoa, Government of	A
	Geological Survey	G
	Geological Survey - Administrative	GA
	Geological Survey - Biological Resources Division	GB
	Geological Survey - Geologic Division	GG
	Geological Survey - National Mapping Division	GT
	Geological Survey - Water Resources Division	GW
	Geological Survey - Not elsewhere classified	GZ
	Bureau of Indian Affairs	I
	Bureau of Indian Affairs - Aberdeen Area	IA
	Bureau of Indian Affairs - Anadarko Area	IB
	Bureau of Indian Affairs - Billings Area	IC
	Bureau of Indian Affairs - Juneau Area	IE
	Bureau of Indian Affairs - Minneapolis Area	IF
	Bureau of Indian Affairs - Muskogee Area	IG
	Bureau of Indian Affairs - Phoenix Area	IH
	Bureau of Indian Affairs - Sacramento Area	IJ
	Bureau of Indian Affairs - Central Office (Washington, DC)	IK
	Bureau of Indian Affairs - Law Enforcement	IL
	Bureau of Indian Affairs - Albuquerque Area	IM
	Bureau of Indian Affairs - Navajo Area	IN
	Bureau of Indian Affairs - Portland Area	IP
	Bureau of Indian Affairs - Eastern Area	IS
	Bureau of Indian Affairs - Joint use area	IW
	Bureau of Indian Affairs - Not elsewhere classified	IZ
	Bureau of Land Management	L
	Bureau of Land Management - Washington Office	LWO
	Bureau of Land Management - Alaska	LAK
	Bureau of Land Management - Arizona	LAZ
	Bureau of Land Management - California	LCA
	Bureau of Land Management - Colorado	LCO
	Bureau of Land Management - Idaho	LID

Agency	Bureau	Abbreviation
	Bureau of Land Management – Montana	LMT
	Bureau of Land Management - Nevada	LNv
	Bureau of Land Management - New Mexico	LNm
	Bureau of Land Management - Oregon	LOR
	Bureau of Land Management - Utah	LUT
	Bureau of Land Management - Wyoming	LWY
	Bureau of Land Management - Eastern States	LESO
	Bureau of Land Management - Denver Federal Center	LDFC
	Bureau of Land Management - National Training Center (PHX)	LNTC
	Bureau of Land Management - National Fire Center (Boise)	LNFC
	Minerals Management Service	MMS
	Office of the Secretary	O
	Aircraft Management Division	OAS
	Office of Surface Mining	OSM
	National Park Service	P
	National Park Service - Alaska Region	PAK
	National Park Service - Intermountain Region	PIM
	National Park Service - Northeast Region	PNE
	National Park Service - Midwest Region	PMW
	National Park Service - National Capital Field Area	PNC
	National Park Service - Pacific West Region	PPW
	National Park Service - Southeast Region	PSE
	National Park Service – Unites States Park Police	PPP
	National Park Service - Not elsewhere classified	PZZ
	Bureau of Reclamation	R
	Bureau of Reclamation - Great Plains	RGP
	Bureau of Reclamation - Lower Colorado	RLC
	Bureau of Reclamation - Mid-Pacific	RMP
	Bureau of Reclamation - Pacific Northwest	RPN
	Bureau of Reclamation - Upper Colorado	RUC
	Bureau of Reclamation - Not elsewhere classified	RZZ
	U.S. Fish and Wildlife Service	S
	GUM, HI, ID, MDW, OR, PAC, WA	S1
	AZ, NM, OK, TX	S2
	IA, IL, IN, MI, MN, MO, OH, WI	S3
	AL, AR, FL, GA, KY, LA, MS,NC, SC, TN, PR, VI	S4
	CT, DE, DC, ME, MD, MA, NH, NJ, NY, PA, RI, VT, VA, WV	S5
	CO, KS, MT, NE, ND, SD, UT, WY	S6
	AK	S7
	CA, NV	S8
	Not elsewhere classified	S9
	Trust Territory of the Pacific Islands, Government of the (including Government of the Northern Marianas)	T
International Trade Commission		ITC
International Boundary and Water Commission, U.S. and Mexico (U.S. Section)		IBWC
Justice, Department of		J
	Alcohol, Tobacco, Firearms and Explosives	A
	Bureau of Prisons	BP
	Drug Enforcement Administration	D
	Federal Bureau of Investigation	FB
	Immigration and Naturalization Service	IN
	Integrated Wireless Network	IWN

Agency	Bureau	Abbreviation
	Justice Management Division	JMD
	Justice-Wide (including Offices, Boards, and Divisions of the Department)	JW
	Justice Wireless Network	JWN
	U.S. Marshals Service	M
Labor, Department of		L
Library of Congress		LC
National Aeronautics and Space Administration		NASA
	Ames Research Center	ARC
	Dryden Flight Research Center	DFRC
	Glenn Research Center	GRC
	Goddard Space Flight Center	GSFC
	NASA Headquarters	HQS
	Jet Propulsion Laboratory	JPL
	Johnson Space Center	JSC
	Kennedy Space Center	KSC
	Langley Research Center	LARC
	Marshall Space Flight Center	MSFC
	Stennis Space Center	SSC
	Wallops Flight Facility	WFF
	White Sands Test Facility	WSTF
National Archives and Records Administration		NARA
National Endowment for the Arts		NEA
National Gallery of Art		NGAL
National Labor Relations Board		NLRB
National Security Agency		NS
National Science Foundation		NSF
	Kitt Peak National Observatory	KPNO
	National Astronomy and Ionosphere Center	NAIC
	National Center for Atmospheric Research	NCAR
	National Radio Astronomy Observatory	NRAO
	Sacramento Peak Observatory	SPO
Navy, Department of the (U.S. Navy)		N
	United States Navy	USN
	United States Naval Research Laboratory	NRL
Navy, Department of the (U.S. Marine Corps)		MC
	United States Marine Corps	USMC
Nuclear Regulatory Commission		NRC
Office of Personnel Management		OPM
Securities and Exchange Commission		SEC
Senate, U.S.		SEN
Small Business Administration		SBA
	Office of the Inspector General	G
Smithsonian Institution		SI
Social Security Administration		SSA
State, Department of		S
	Bureau of Economic and Business Affairs	EB
	Bureau of Information Resource Management	IRM
Supreme Court		SC
Tennessee Valley Authority		TVA

Transportation, Department of		TRAN
	Department Wide (less Federal Aviation Administration (FAA) and Transportation Systems Center (TSC))	DW
	Federal Highway Administration	H
	Federal Motor Carrier Safety Administration	FMC
	Federal Railroad Administration	R
	Federal Transit Administration	FTA
	Maritime Administration	MAR
	National Highway Traffic Safety Administration	T
	National Transportation Safety Board	NB
	Office of the Secretary	OS
	Pipeline and Hazardous Material Safety Administration	PHMS
	Railroad Technology Test Center	RATC
	Research and Innovative Technology Administration	RITA
	Research and Special Programs Administration	RSPA
St. Lawrence Seaway Development Corporation	SL	
Treasury, Department of the		T
	Departmental Offices	DO
	Bureau of Engraving and Printing (BEP)	BEP
	Financial Management Service	FMS
	Treasury Inspector General for Tax Administration (TIGTA)	IGTA
	IRS Criminal Investigations Division (IRS-CID)	IRCI
	Internal Revenue Service (IRS) Facilities	IRF
	Integrated Wireless Network	IWN
	US Mint	M
	Office of the Inspector General	OIG
	Office of the Secretary	O
	Bureau of Public Debt (BPD)	BPD
	Troubled Asset Relief Program	TARP
Alcohol and Tobacco Tax and Trade Bureau	TTB	
U.S. Capitol Police	USCP	
U.S. Chemical Safety Hazard Investigations Board	CSB	
U.S. Court of International Trade	CIT	
U.S. Peace Corps	USPC	
U.S. Postal Service		USPS
	Postal Inspection Service	IS
	Mail Processing and Distribution	MAIL
	National Network Service Center	NET
	National Systems Development	NSD
	Office of the Inspector General	OIG
Security	SEC	
U.S. Trade and Development Agency	TDA	
U.S. Trade Representative	USTR	
Veterans Affairs, Department of		VA
	National Cemetery Administration	NCA
	Office of Inspector General	OIG
	VA Central Office	VACO
	Veterans Benefits Administration	VBA
Veterans Health Administration	VHA	

G.1.1 Other Organizational Abbreviations

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

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

G.2 GEOGRAPHICAL ABBREVIATIONS

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

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

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

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

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

Caribbean Area

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

Pacific Area

- Baker Island
- GUM Guam
- HWL Howland Island
- JAR Jarvis Island
- JON Johnston Island (including Sand Island) Kingman Reef
- MDW Midway (Includes Eastern and Sand Islands)
- MRA (except Guam) Mariana Islands (Formerly 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 Samoa (American) (Aunuu, Manua Group [or Islands, i.e., Ofu, Olosega, Tau], Rose Island, Swains Island, Tutuila)
- WAK Wake Island

Area and Other Abbreviations

AFR	Africa
ANTR	Antarctica
ARCO	Arctic Ocean
ASIA	Continent of Asia
CAM	Central America
CBN	Caribbean
EUR	Europe
FE	Far East (Countries of China, Japan, Korea, Thailand, Brunei, Burma, Cambodia, Indonesia, Laos, Malaysia, Philippines, Vietnam and East India)
GLM	Gulf of Mexico
GTLK	Great Lakes (collectively)
INDO	Indian Ocean
LAM	Latin America
LANT	Atlantic Ocean
LERI	Lake Erie
LHUR	Lake Huron
LMIC	Lake Michigan
LONT	Lake Ontario
LSUP	Lake Superior
MED	Mediterranean Sea
MDE	Middle East
OCNA	Oceania
PAC	Pacific Ocean
RCVR	Restricted for use only in Passive Sensor and Radio Astronomy listings
SEA	Southeast Asia
SPCE	Space
US	For US only when transmitting and/or receiving in all 50 United States and the District of Columbia
USA	For use only when transmitting and/or receiving in the 48 Contiguous States of the United States and the District of Columbia (This Excludes Alaska and Hawaii)
USP	For use only when transmitting and/or receiving throughout the US (50 States and District of Columbia), the Commonwealth of Puerto Rico, and the Territories and Possessions (does not include the former Trust Territory of the Pacific Islands)
XXXX	See Chapter 9, Section 9.8.2 paragraph 21

Country Abbreviations

ABW	Aruba	CAF	Central African Republic
AFG	Afghanistan (Islamic State of)	CAN	Canada
AFS	South Africa (Republic of)	CAR	Caroline Islands
AGL	Angola (Republic of)	CBG	Cambodia (Kingdom of)
AIA	Anguilla	CHL	Chile (except Easter Island)
ALB	Albania (Republic of)	CHN	China (People's Republic of)
ALG	Algeria (People's Democratic Republic of)	CHR	Christmas Island (Indian Ocean)
ALS	Alaska (not for use in GMF; for ITU use only)	CKH	Cook Islands
AMS	Saint Paul and Amsterdam Islands	CLM	Colombia (Republic of)
AND	Andorra (Principality of)	CLN	Sri Lanka (Democratic Socialist Republic of)
AOE	Western Sahara	CME	Cameroon (Republic of)
ARG	Argentine Republic	CNR	Canary Islands
ARM	Armenia (Republic of)	COG	Congo (Republic of the)
ARS	Saudi Arabia (Kingdom of)	COM	Comoros (Islamic Federal Republic of the)
ASC	Ascension	CPV	Cape Verde (Republic of)
ATA	Antarctic	CRO	Crozet Archipelago
ATG	Antigua and Barbuda	CTI	Cote d'Ivoire (Republic of)
ATN	Netherlands Antilles	CTR	Costa Rica
AUS	Australia	CUB	Cuba
AUT	Austria	CVA	Vatican City State
AZE	Azerbaijani Republic	CYM	Cayman Islands
AZR	Azores	CYP	Cyprus (Republic of)
		CZE	Czech Republic
B	Brazil (Federative Republic of)	D	Germany (Federal Republic of)
BAH	Bahamas (Commonwealth of the)	DGA	Diego Garcia
BDI	Burundi (Republic of)	DJI	Djibouti (Republic of)
BEL	Belgium	DMA	Dominica (Commonwealth of)
BEN	Benin (Republic of)	DNK	Denmark
BER	Bermuda	DOM	Dominican Republic
BFA	Burkina Faso	E	Spain
BGD	Bangladesh (People's Republic of)	EGY	Egypt (Arab Republic of)
BHR	Bahrain (State of)	EQA	Ecuador
BIH	Bosnia & Herzegovina (Republic of)	ERI	Eritrea
BIO	British Indian Ocean Territory	EST	Estonia (Republic of)
BLR	Belarus (Republic of)	ETH	Ethiopia
BLZ	Belize	F	France
BOL	Bolivia (Republic of)	FJI	Fiji (Republic of)
BOT	Botswana (Republic of)	FLK	Falkland Islands (Malvinas)
BRB	Barbados	FIN	Finland
BRM	Myanmar (Union of)	FRO	Faroe Islands
BRU	Brunei Darussalam	FSM	Micronesia (Federated States of) (Kapingamarangi, Kosrae, Lamotrek, Namonuito, Nukuoro, Oroluk, Pohnpei, Truk, Ulithi, Woleai, Yap)
BTN	Bhutan (Kingdom of)		
BUL	Bulgaria (Republic of)		

G	United Kingdom of Great Britain and Northern Ireland	KAZ	Kazakhstan (Republic of)
GAB	Gabonese Republic	KEN	Kenya (Republic of)
GCA	Territories of the United Kingdom in Region 1	KER	Kerguelen Islands
GCC	Territories of the United Kingdom in Region 3	KGZ	Kyrgyz Republic
GDL	Guadeloupe (French Department of)	KIR	Kiribati (Republic of)
GEO	Georgia (Republic of)	KOR	Korea (Republic of)
GHA	Ghana	KRE	Democratic People's Republic of Korea
GIB	Gibraltar	KWT	Kuwait (State of)
GMB	Gambia (Republic of the)	LAO	Lao People's Democratic Republic
GNB	Guinea-Bissau (Republic of)	LBN	Lebanon
GNE	Equatorial Guinea (Republic of)	LBR	Liberia (Republic of)
GRC	Greece	LBY	Libya (Socialist People's Libyan Arab Jamahiriya)
GRD	Grenada	LCA	Saint Lucia
GRL	Greenland	LIE	Liechtenstein (Principality of)
GTM	Guatemala (Republic of)	LSO	Lesotho (Kingdom of)
GUF	Guiana (French Department of)	LTU	Lithuania (Republic of)
GUI	Guinea (Republic of)	LUX	Luxembourg
GUM	Guam	LVA	Latvia (Republic of)
GUY	Guyana	MAC	Macao
HKG	Hong Kong	MAU	Mauritius (Republic of)
HND	Honduras (Republic of)	MCO	Monaco (Principality of)
HNG	Hungary (Republic of)	MDA	Moldova (Republic of)
HOL	Netherlands (Kingdom of the)	MDG	Madagascar (Democratic Republic of)
HRV	Croatia (Republic of)	MDR	Madeira
HTI	Haiti (Republic of)	MDW	Midway Islands
HWA	Hawaii (not for use in GMF; for ITU use only)	MEX	Mexico
I	Italy	MHL	Marshall Islands (Republic of the) (Ailinglapalap, Arno, Ebeye, Enewetak, Jaluit, Kwajalein, Majuro, Mili, Roi-Namur, Rongelap)
ICO	Cocos Keeling Islands	MKD	The Former Yugoslav Republic of Macedonia
IND	India (Republic of)	MLA	Malaysia
INS	Indonesia (Republic of)	MLD	Maldives (Republic of)
IRL	Ireland	MLI	Mali (Republic of)
IRN	Iran (Islamic Republic of)	MLT	Malta
IRQ	Iraq (Republic of)	MNG	Mongolian People's Republic
ISL	Iceland	MOZ	Mozambique (Republic of)
ISR	Israel (State of)	MRA	Mariana Islands (except Guam)
J	Japan (includes Iwo Jima, Marcus Island, Ryu Kyu Islands)	MRC	Morocco (Kingdom of)
JMC	Jamaica	MRN	Marion Island
JON	Johnston Island	MRT	Martinique (French Department of)
JOR	Jordan (Hashemite Kingdom of)	MSR	Montserrat
		MTN	Mauritania (Islamic Republic of)

MWI	Malawi	SLV	El Salvador (Republic of)
MYT	Mayotte Island	SMA	American Samoa
		SMO	Western Samoa (Independent State of)
NCG	Nicaragua	SMR	San Marino (Republic of)
NCL	New Caledonia	SNG	Singapore (Republic of)
NFK	Norfolk Island	SOM	Somali Democratic Republic
NGR	Niger (Republic of the)	SPM	Saint Pierre and Miquelon (French Department of)
NIG	Nigeria (Federal Republic of)		
NIU	Niue Island	SRL	Sierra Leone STP Sao Tome and Principe (Democratic Republic of)
NMB	Namibia (Republic of)	SUI	Switzerland (Confederation of)
NOR	Norway	SUR	Suriname (Republic of)
NPL	Nepal	SVK	Slovak Republic
NRU	Nauru (Republic of)	SVN	Slovenia (Republic of)
NZL	New Zealand	SWN	Swan Islands
		SWZ	Swaziland (Kingdom of)
OCE	French Polynesia	SYR	Syrian Arab Republic
OMA	Oman (Sultanate of)		
PAK	Pakistan (Islamic Republic of)	TCA	Turks and Caicos Islands
PAQ	Easter Island (Chile)	TCD	Chad (Republic of)
PHL	Philippines (Republic of the)	TGO	Togolese Republic
PHX	Phoenix Islands	THA	Thailand
PLM	Palmyra Island (some 50 islands make up the Atoll of Palmyra)	TKL	Tokelau Islands
PLW	Palau (Republic of)	TJK	Tajikistan (Republic of)
PNG	Papua New Guinea	TKM	Turkmenistan
PNR	Panama (Republic of)	TMP	East Timor
POL	Poland (Republic of)	TON	Tonga (Kingdom of)
POR	Portugal	TRC	Tristan da Cunha
PRG	Paraguay (Republic of)	TRD	Trinidad and Tobago
PRU	Peru	TUN	Tunisia
PTC	Pitcairn Island	TUR	Turkey
PTR	Puerto Rico (including Culebra, Mona, and Vieques) (not for use in GMF; for ITU use only)	TUV	Tuvalu
		TZA	Tanzania (United Republic of)
QAT	Qatar (State of)	UAE	United Arab Emirates
		UGA	Uganda (Republic of)
REU	Reunion (French Department of)	UKR	Ukraine
ROD	Rodriguez	URG	Uruguay (Eastern Republic of)
ROU	Romania	USA	The 48 contiguous States of the United States of America and the District of Columbia (excludes the States of Alaska and Hawaii)
RUS	Russian Federation		
RRW	Rwandese Republic	UZB	Uzbekistan (Republic of)
S	Sweden		
SCN	Saint Christopher and Nevis		
SDN	Sudan (Republic of the)		
SEN	Senegal (Republic of)		
SEY	Seychelles (Republic of)		
SHN	Saint Helena		
SLM	Solomon Islands		

VCT	St. Vincent and the Grenadines	WAL	Wallis and Futuna Islands
VEN	Venezuela (Republic of)		
VIR	United States Virgin Islands (St. Croix, St. John, St. Thomas) (not for use in GMF; for ITU use only)	YEM	Yemen (Republic of)
		YUG	Yugoslavia (Federal Republic of)
VRG	British Virgin Islands	ZAI	Zaire (Republic of)
VTN	Viet Nam (Socialist Republic of)	ZMB	Zambia (Republic of)
VUT	Vanuatu (Republic of)	ZWE	Zimbabwe (Republic of)
WAK	Wake Island		

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

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

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

Tennessee Valley Authority Area (see Figure 2)

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

Coast Guard Areas and Districts (see Figure 3)

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

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

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

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

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

8th District- Wyoming, Colorado, New Mexico, Texas, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Arkansas, Louisiana, Mississippi, Alabama, Missouri, Iowa, West Virginia, Kentucky, Tennessee, and; Pennsylvania south of latitude 41° N and west of longitude 79° W; those parts of Ohio and Indiana south of latitude 41°N; Illinois, except that part north of latitude 41°N and east of longitude 90°W; Wisconsin south of latitude 46°20' N and west of longitude 90° W; Minnesota south of latitude 46°20'N and that part of Florida and Georgia west of a line from the intersection of the Florida

coast with longitude 83°50'W due north to a position 30°15'N 83°50'W; thence due west to a position 30°15'N 84°45'W; thence due north to the intersection with the south shore of Jim Woodruff Reservoir; thence along the east bank of the Jim Woodruff Reservoir and the east bank of the Flint River up stream to Montezuma, Georgia; thence to West Point, Georgia.

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

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

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

14th District-Hawaii.

17th District-Alaska.

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

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

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

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

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

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

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

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

Army Areas (see Figure 5)

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

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

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

Army Frequency Coordination Areas (see Fig. 6)

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

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

State of Arizona, Fort Huachuca, Arizona-Arizona.

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

FAA Regions (see Figure 7)

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

NRC Regions (see Figure 8)

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

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

Region III-Headquarters at Glen Ellyn, IL,

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

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

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

FEMA Regions (see Figure 9)

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

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

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

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

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

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

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

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

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

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

EPA Regions (see Figure 10)

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

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

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

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

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

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

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

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

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

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

GSA Regions (see Figure 11)

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

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

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

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

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

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

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

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

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

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

USAF MARS Regions (see Figure 12)

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

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

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

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

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

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

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

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

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

VISN 2 Upper New York State.

VISN 3 Lower New York State. New York City.

VISN 4 Pennsylvania.

VISN 5 Delaware, Maryland.

VISN 6 Virginia, North Carolina.

VISN 7 South Carolina, Georgia, Alabama.

VISN 8 Florida.

VISN 9 Tennessee, Kentucky, West Virginia.

VISN 10 Ohio.

VISN 11 Northern Indiana, Michigan.

VISN 12 Northern Illinois, Wisconsin.

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

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

VISN 17 Central Texas.

- VISN 18 West Texas, New Mexico, Arizona
- VISN 19 Colorado, Utah, Wyoming, Montana.
- VISN 20 Idaho, Washington, Oregon
- VISN 21 Northern Nevada, Northern California.
- VISN 22 Southern Nevada, Southern California.
- VISN 23 Nebraska, Iowa, North Dakota, South Dakota, Minnesota.

Figure 1. Corps of Engineers

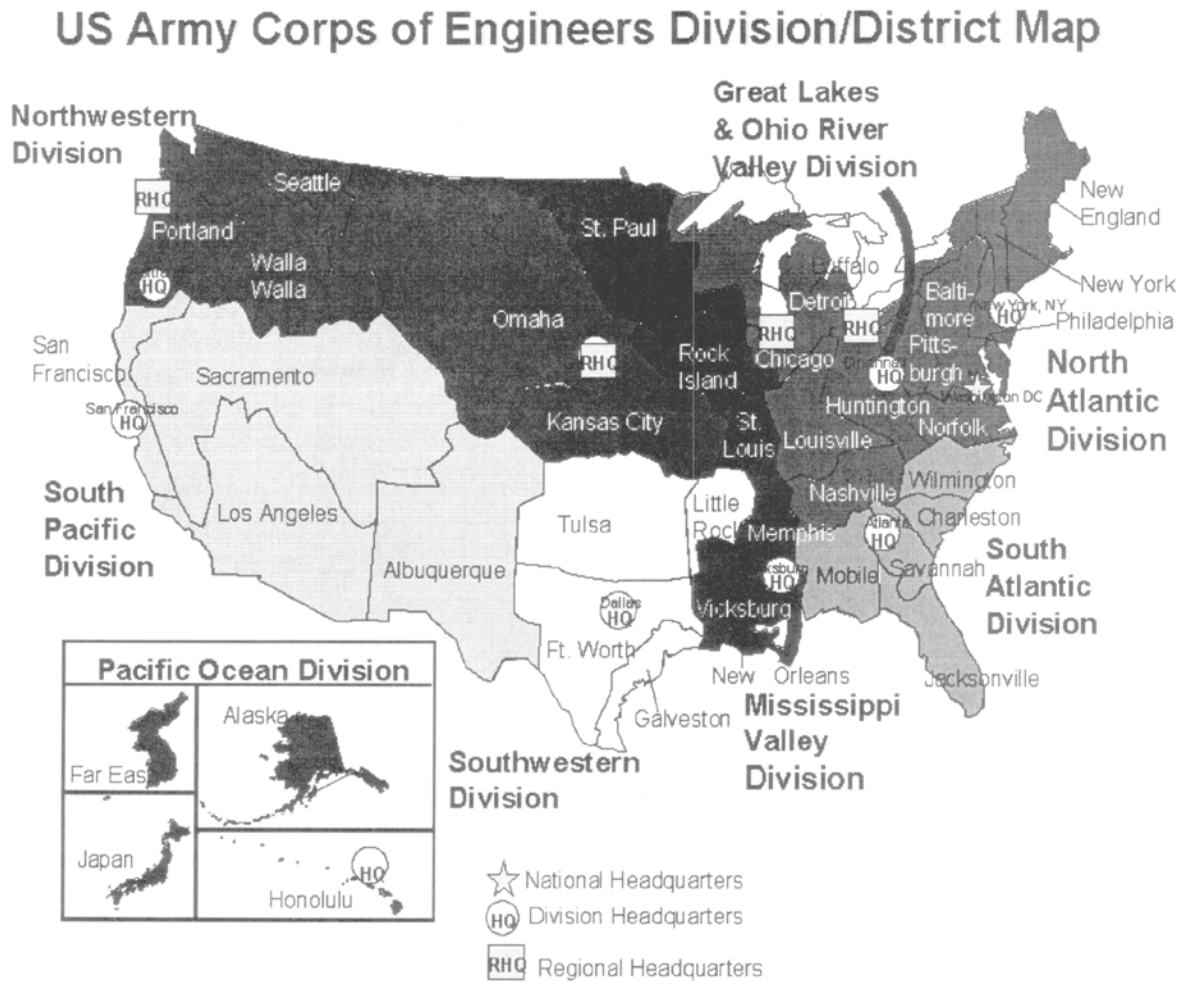


Figure 2. Tennessee Valley Authority

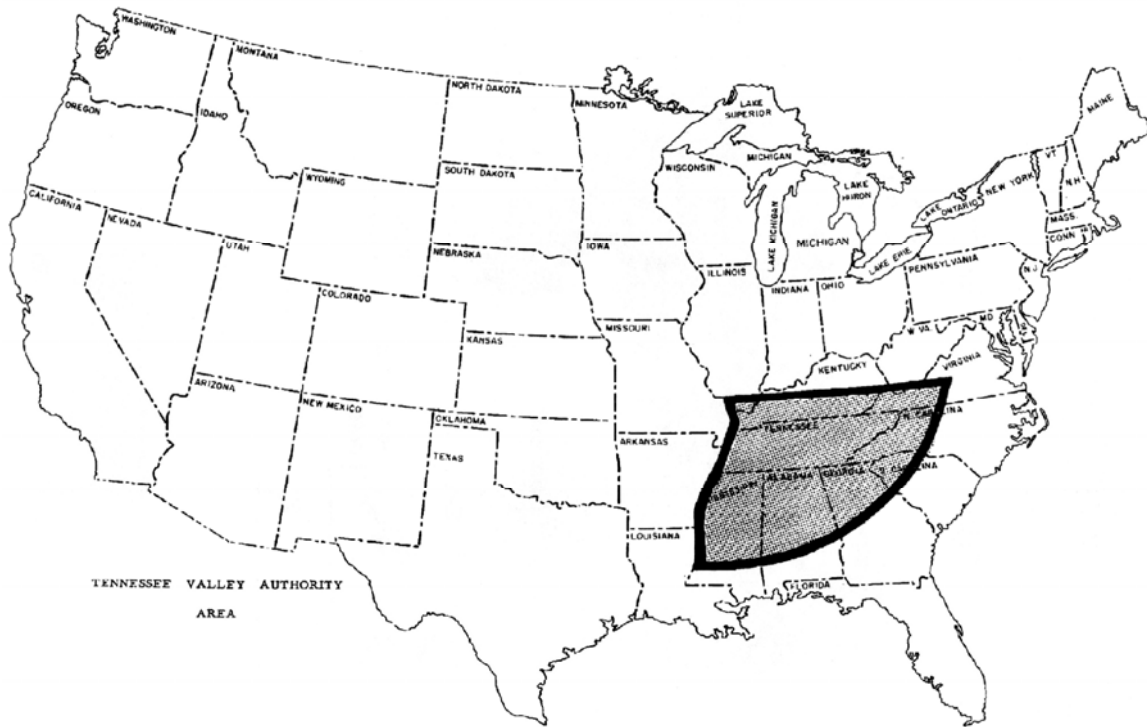


Figure 3. Coast Guard Districts



Figure 4. Navy-Marine Corps MARS Regions

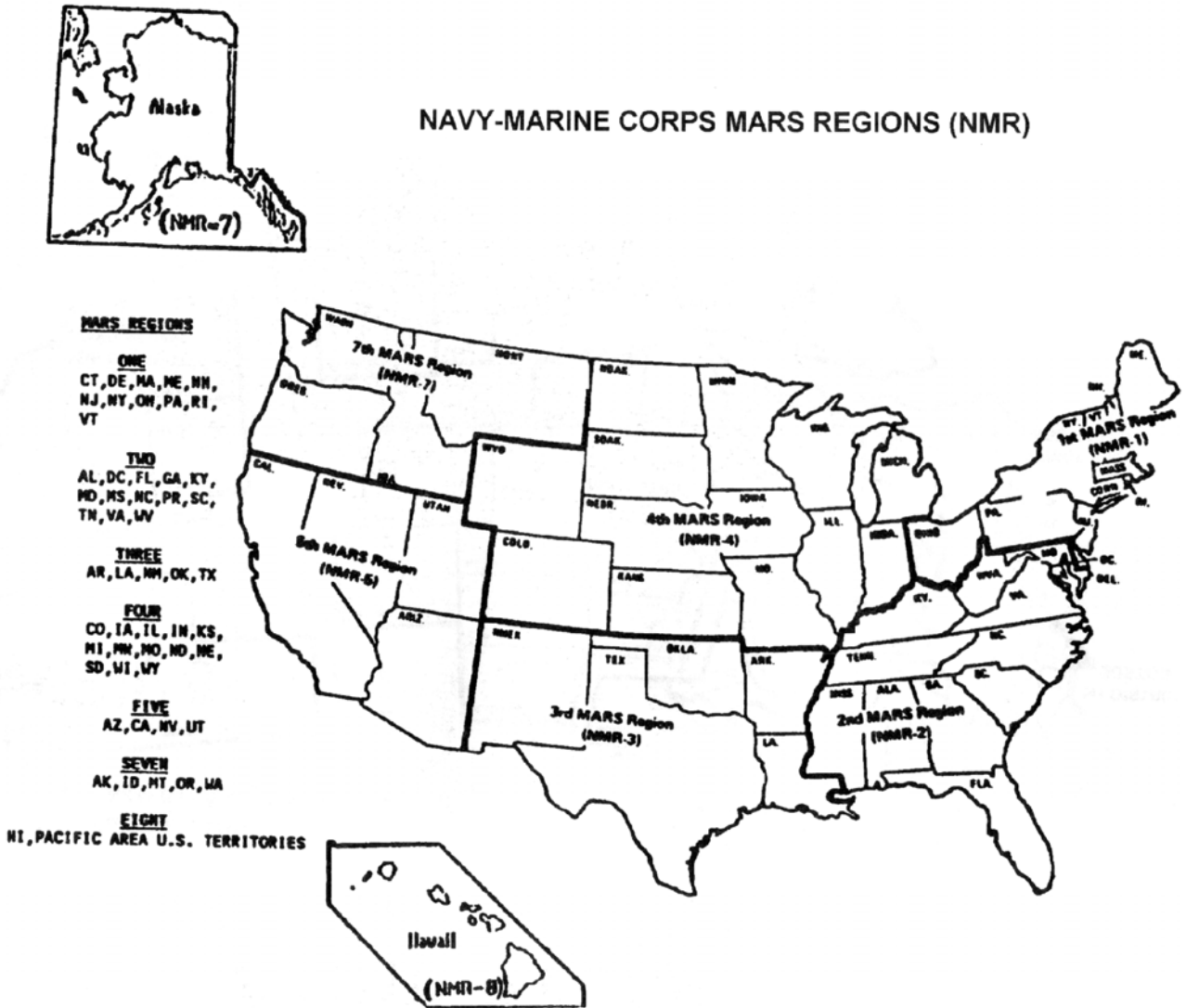


Figure 5. Army Area Coordinators

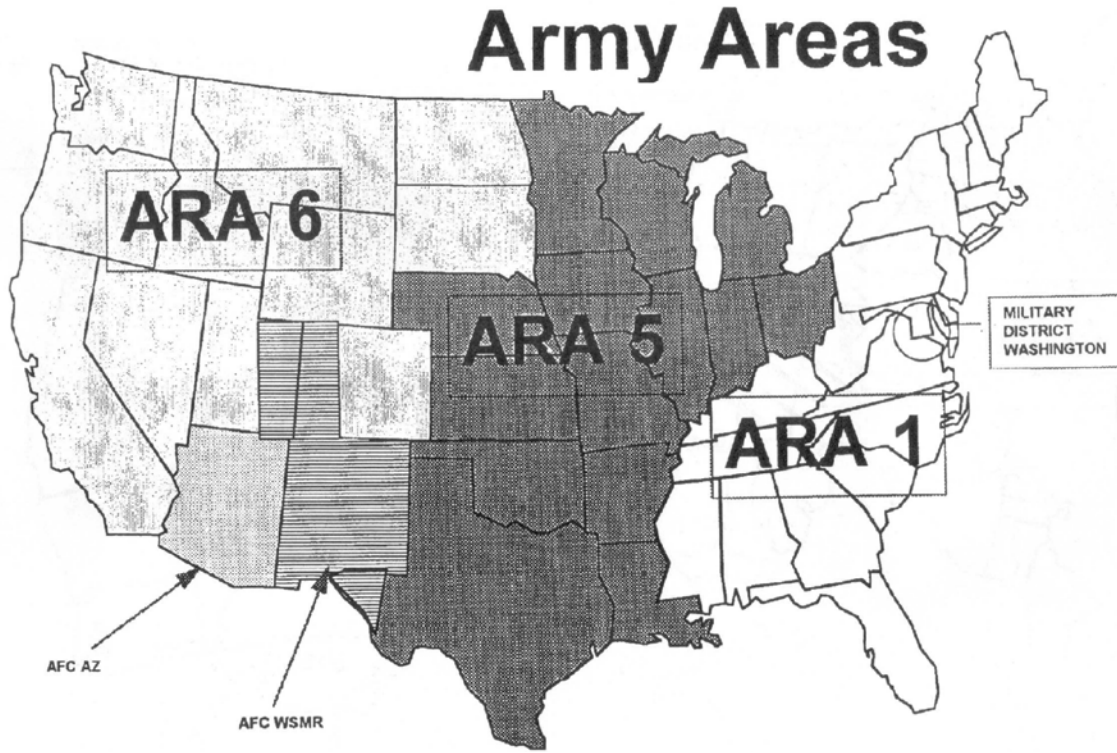


Figure 6. Army Area Frequency Coordinators

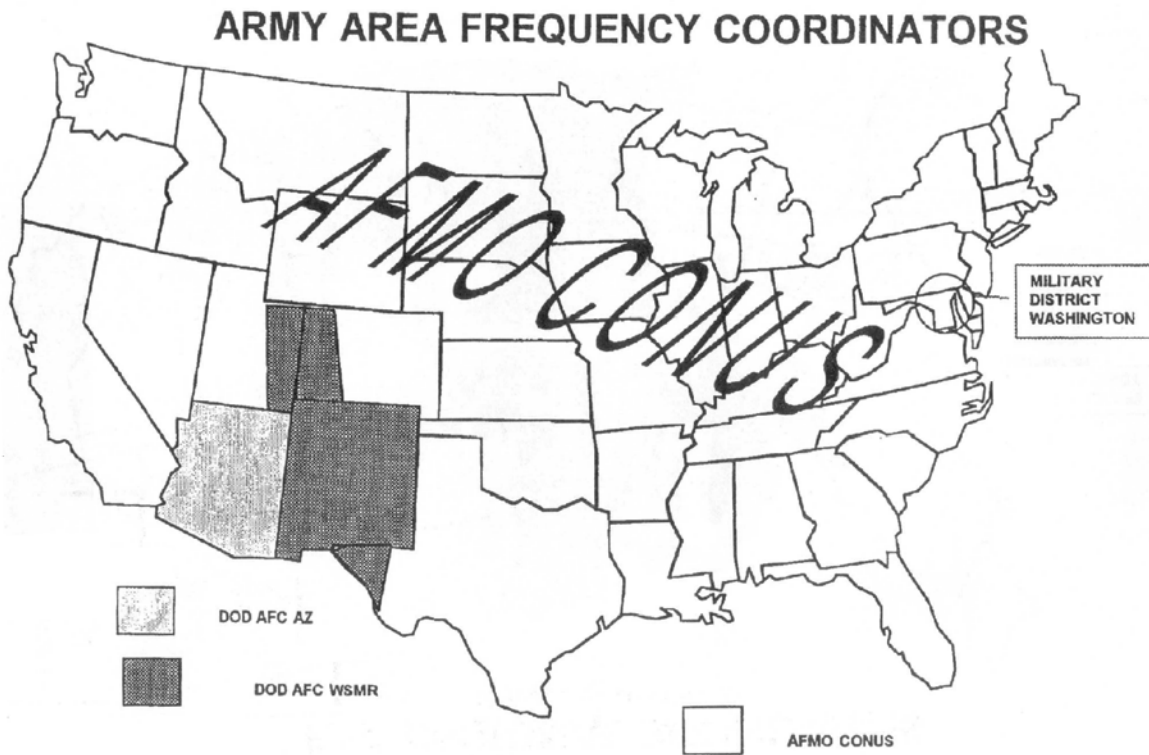


Figure 7. FAA Regions

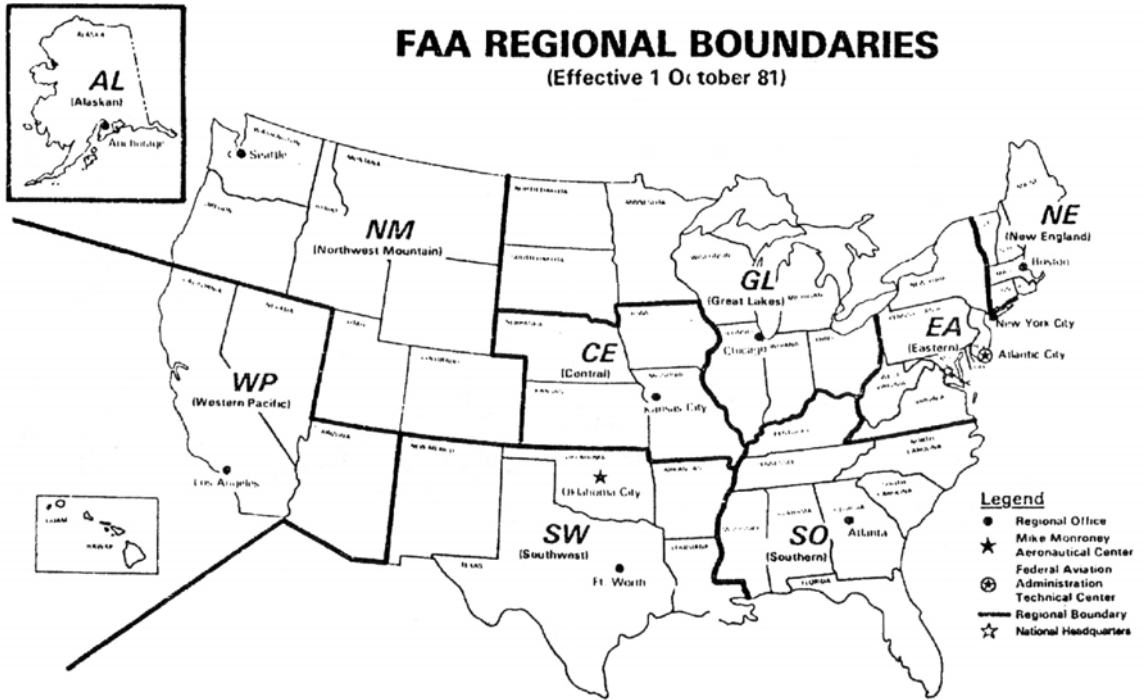


Figure 8. NRC Regions

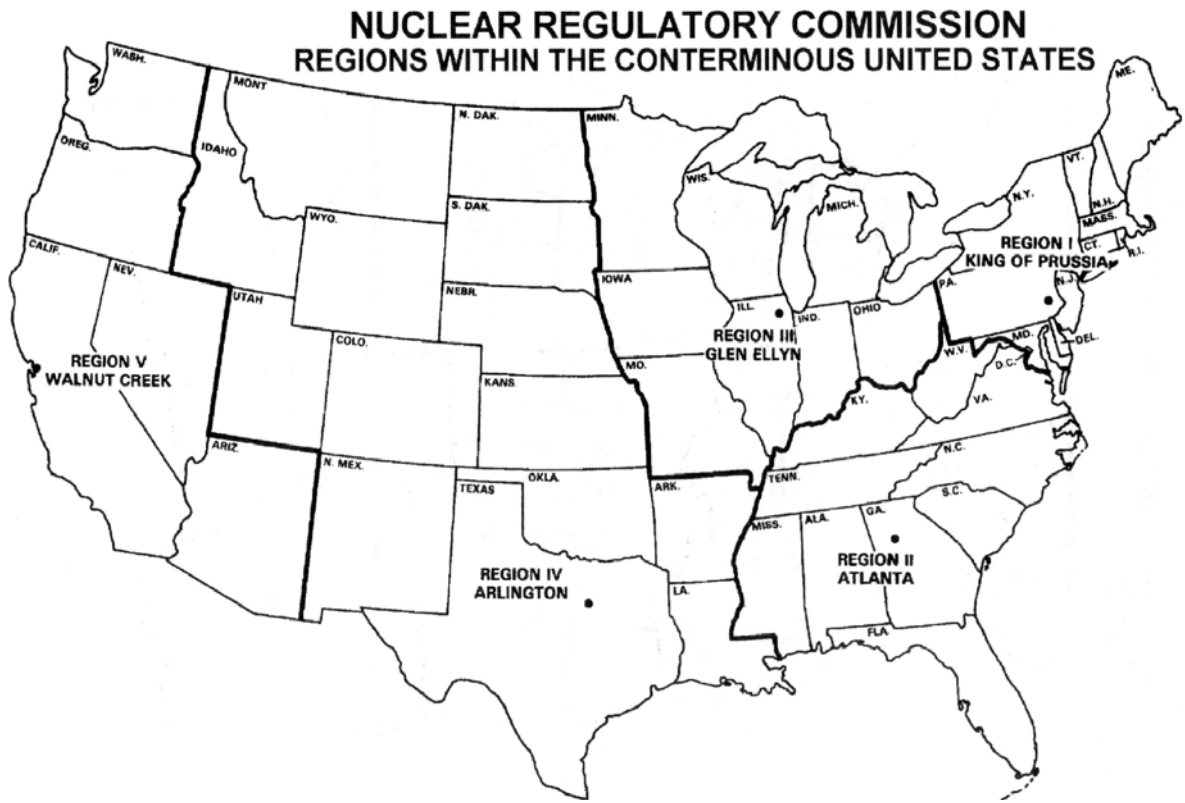


Figure 9. FEMA Regions



Figure 10. EPA Regions

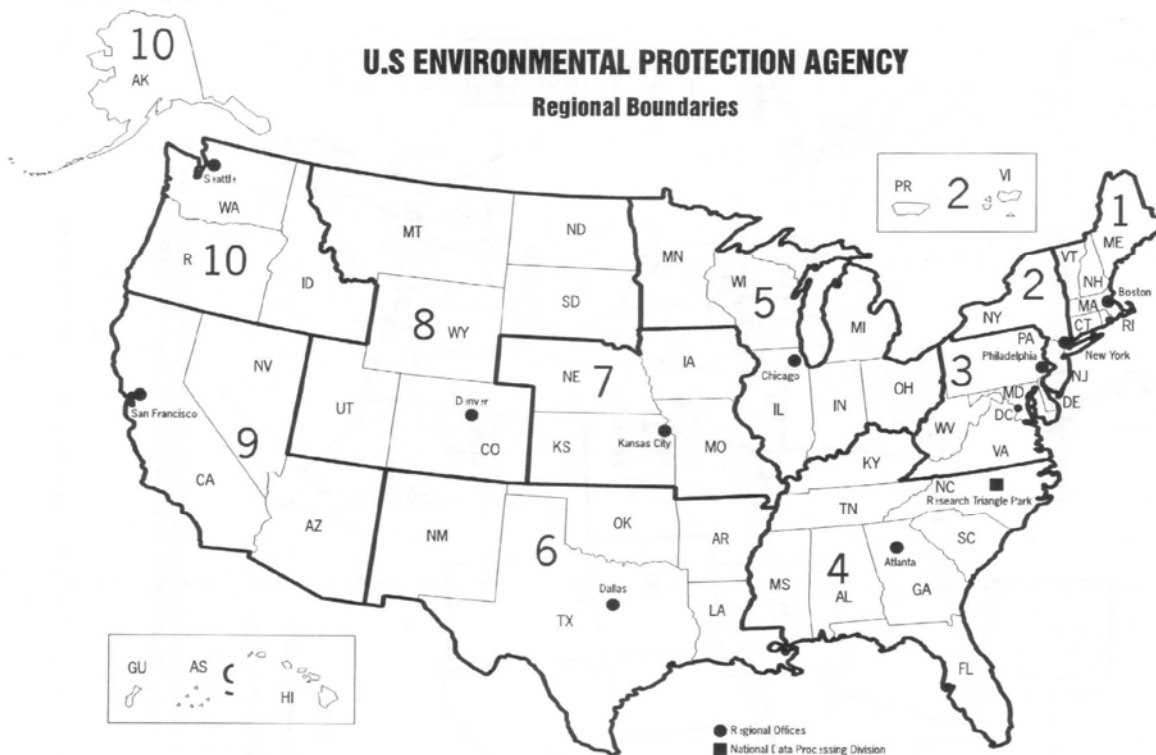


Figure 11. GSA Regions

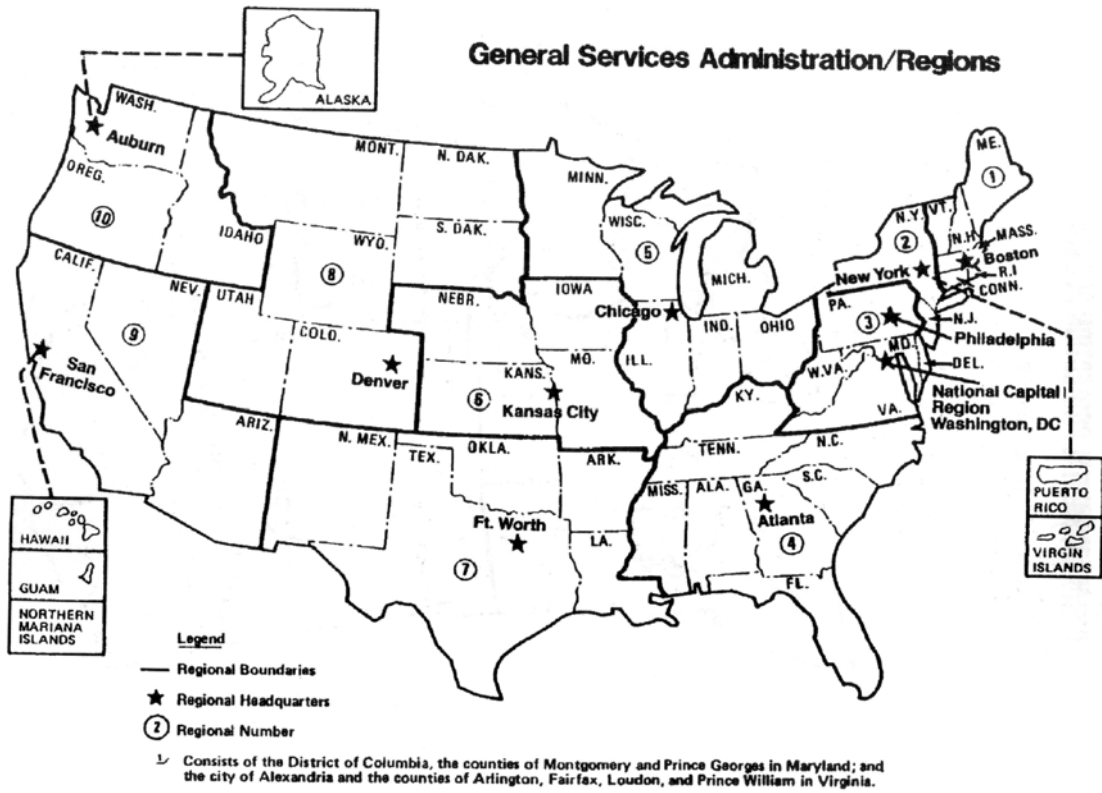


Figure 12. USAF Mars Regions

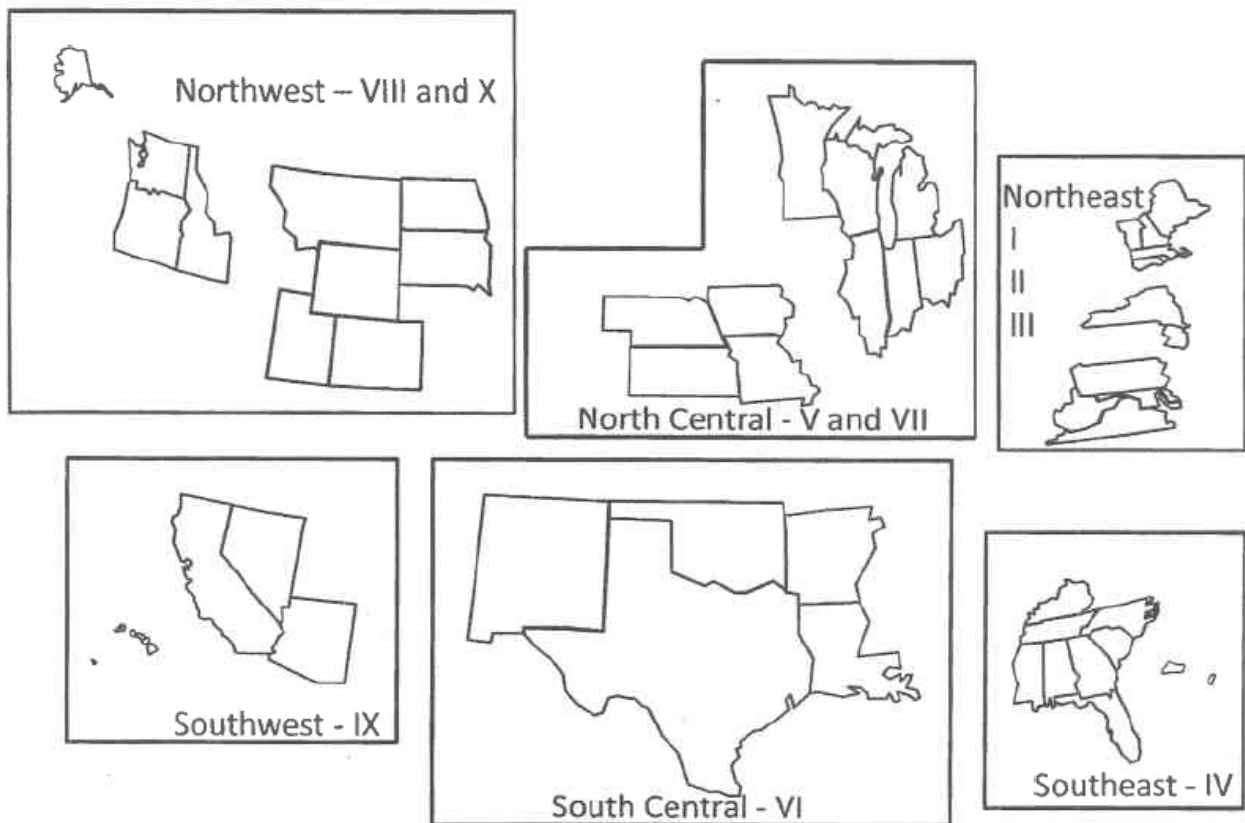
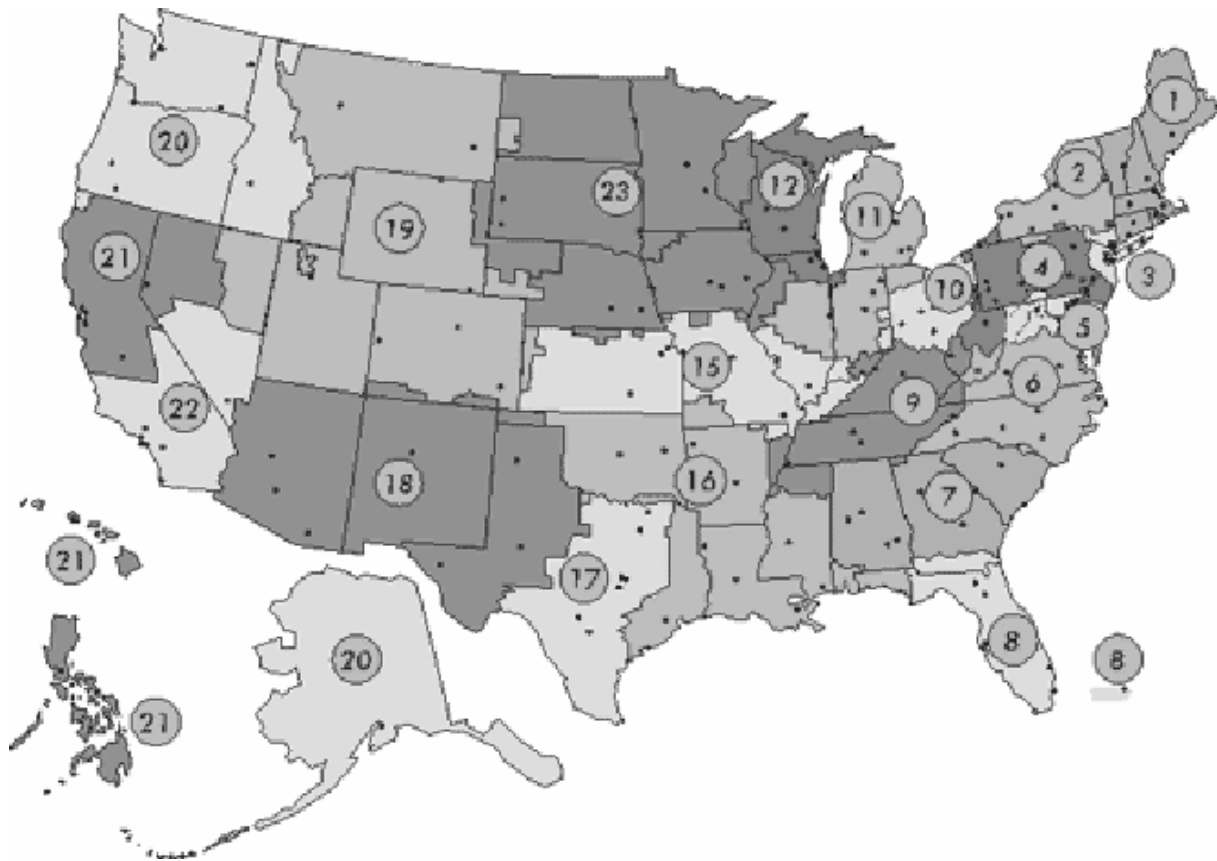


Figure 13. VA Health Administration Integrated Service Network by (VISN) by Boundaries**G.4 COMMON ABBREVIATIONS**

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

G.5 MANUFACTURER CODES

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

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

ATF Advanced Techcom Inc.
 ATI Amerasia Technology Inc.
 ATM Automation Inc.
 ATR Airtronics Inc.
 ATS Advanced Telemetry Systems, Inc.
 ATT American Telephone & Telegraph
 ATX Advanced Training Systems
 AUA Austin Custom Antennas
 AUD Audio-Sine, Inc.
 AUM Austin Microwave, Inc.
 AUT Audio-Technica US Inc.
 AVI Avitron Inc.
 AVK Avantek
 AVL Avalon RF Inc.
 AVM AVM Instrument Co.
 AVN Aerovironment
 AVT Avtek Co.
 AXM Anixter-Mark Co.
 AYD Aydin
 AYI Airport Systems International, Inc.
 AZD Azden, Inc.
B
 BAB Babcock Electronics Corp.
 BAC Barry Research Corp.
 BAD BAE Systems
 BAE Barth Engineering & Mfg. Co.
 BAN Belair Networks
 BAR Barrett Electronics
 BDW BridgeWave Communications
 BEG Bendix/King Mobile Communications
 BEN Bendix Corp. or Bendix Aviation Corp.
 BER Berteia Products or Berteia Corporation
 BET Beta Co
 BEX Bext Inc.
 BLS Balise
 BLU Bludworth or Bludworth Marine
 Division
 BMS Broadcast Microwave Services
 BOA Boeing Aerospace
 BOE Boeing Aircraft
 BRG BRG Precision Products
 BRI Bristol Aerospace Ltd.
 BRN Baron Services
 BRT Broadcast Electronics
 BTI Burle Technologies, Inc.
 BUT Butler National Corp.
 BVS Berkeley Varitronics Systems
 BZR Bonzer, Inc.
C
 CAB Campbell Manufacture Company, Ltd.

CAC Cessna Aircraft Co.
 CAI Communication Associates, Inc.
 CAP Communications Applied Technology
 CAR Canadian Radio Corp.
 CAT Canadian Telephone Co.
 CAV Cavotec Microcontrols
 CBE Crown Broadcast Electronics
 CBM CBM Electronics
 CCB Control Chiefs, Inc.
 CCC Cadion Communications Corp.
 CCD Control Industries
 CCF Coastal Climate Company
 CCI Communications Carriers, Inc.
 CCJ Communications Co., Inc.
 CCK Carlson Communication, Inc.
 CCP Continental Electric Corporation
 CDN Cardian Electronics
 CDP Codan Pty, Ltd
 CDR Codar Ocean Sensors
 CDS Cubic Defense Systems
 CDS Cubic Defense Systems
 CDT Communications & Documentation
 Technology Co.
 CDW Cardwell Mfg. Co.
 CEG Ceragon Networks Inc.
 CEL Colorado Electronics
 CEM Continental Electronics Manufacturing
 Co.
 CEO Celesco Industries
 CER Centry Research Corp.
 CET CETEC Vega
 CFM California Microwave
 CHA Channel Master Corp.
 CHM Chesapeake Microwave
 CIC Cubic Industrial Corp.
 CIN Cincinnati Electronic Corp.
 CKC Cook Communications Corp.
 CLU Campbell Scientific Inc. Of Logan Utah
 CMI CMI, Inc.
 CMO Canadian Motorola
 CMT Communitronics
 CMU Communitronics Ltd
 CNC Conic Corp.
 CNI Contraves Italiana
 CNR Conifer
 COA Communication Specialities
 COB Cobra
 COC Communication Co.
 COE Communication Electronics Co.
 COI Comtech Lab, Inc.

COL	Collins Radio Co.	DLN	Del Norte
COM	Comrex	DMC	Digital Microwave Corp.
CON	Continental Electronics, Ltd.	DMI	Data Marine International
COP	Communications Products Co.	DMT	Defiance Machine Tool Co.
COR	Continental Radio	DNS	Decca Navigator Systems, Inc.
COS	Cosser Electtonic	DNT	Del Norte Technology, Inc.
COU	Courier Communications, Inc.	DOR	Dorsett Laboratories
CPI	CPI, Communications	DOS	Dorsett Electronics Division (LaBarge, Inc.)
CRB	Commercial Resources Communications	DRA	Drake RF Co.
CRC	Collins Radio of Canada	DRI	Decca Radar, Inc.
CRH	Crouse-Hinds	DRK	Data Radio Corp.
CRP	Concord Electronics Corp.	DSI	Delta Sigma Inc.
CRT	Cartwright Electronics Inc.	DSY	Defense Systems, Inc.
CRU	Cruise Technology	DTC	DTC Communications
CSC	Customs Signal Corp.	DTE	Daytong Electronics, Ltd.
CSI	Control Science, Inc.	DTM	Datum
CSR	Citizen Ship Radio Corp.	DTW	Datawell
CTL	Crescend Technologies LLC	DUT	Duelatron
CTR	Cattron, Inc.	DXR	DX Radio Corp.
CTW	Commtech Wireless	DYC	Dynamic Communications
CUB	Cubic Co.	DYR	Dynair Electronics
CUM	Custom Electronic Manufacturing Co.	DYS	Dynascan Corp.
CUS	Cush Craft	E	
CVR	Convair	EAD	European Aeronautic Defense and Space Company
CWE	Comwave	EAG	Eagle-Picker Industries, Inc.
CWI	Cartwright, Inc.	EAI	Elta-Ashdad Israel
CYB	Cybermation	EAR	Earmark, Inc.
CYT	Cybernet International, Inc.	ECE	Eclipse Electronic Systems, Inc.
D		ECL	Eaton Corp. AIL DIVN.
DAD	Door Alarm Devices Corp.	ECR	Eddcor
DAE	Davco Electronics Inc.	EDO	EDO Corp.
DAN	Daniels Electronics Limited	EDR	EDO Aire
DAT	Data Control Systems	EEC	Electronic Engineering Co.
DBM	Three DBM Systems	EEE	EMCEE, Co.
DCE	Decatur Electronics, Inc.	EFD	EF Data
DCI	Defense Communications Engineering Inc.	EGX	Energy-Onix
DCM	Delcom	EIP	Electromatic, Inc.
DEA	Decca Radar Ltd. UK	ELA	Ellason
DEC	Decibel Products, Inc.	ELI	Electrac, Inc.
DEF	Deferral	ELM	Electronic Material International, Ltd.
DEI	Defense Electronics	ELS	Electromagnetic Sciences, Inc.
DEL	Delmar Engineering Laboratories	EMA	Electro Magnetic Sciences Co.
DES	Delstar Corp.	EMC	Electronics Missiles Communications, Inc.
DET	Detroit Bullet Trap Co.	EMH	Electro-Mechanics Co.
DGR	Douglas Randall Div. of W.K. Radio Alarm Box DHVDHV, Inc.	EMI	EMI-Cosser Electronics Ltd. or EMI Marine Division
DIG	Digital Radio	EMR	Electro Mechanical Research, Inc.
DIT	Digitize, Inc.		
DIX	Dixon Industries Corp.		

EMW Eastern Microwave Corp.
 END ENDECO
 ENI Electronic Navigation Instruments
 ENT Enerdyne Technologies
 EPS EPSCO, Inc.
 ERA Ericsson, L.M. Ltd.
 ERC ERCO Radio Laboratories
 ERD Emhiser Rand
 ERI Electronics Research Industries
 ERN Erichson
 ERX Emhiser Research, Inc.
 ESC ESCO
 ESD ESL, Inc.
 ESE Electronic System Technology
 ESI Energy Systems, Inc.
 ESN Espey Mfg Electronics
 ESR Esterline
 ESS Electronic Support Systems, Inc
 EST Electric Service Co.
 ESY E-Systems
 ETE Enterprise Electronics, Inc.
 ETR Ecatek, Inc.
 ETS Electronic Systems Technology
 EWR Ewr Weather Radar Systems
 EXE Executive Communications
 EXI EXICOM New Zealand, Ltd.
 EXT Executone, Inc.
 EXX EXETEX
F
 FAA Federal Aviation Administration
 FAL Frant, Alan I.W.
 FAP Fran Air Products Co.
 FAR Farnsworth TV Radio
 FAS Ford Aerospace Corp.
 FEC Farinon Electric
 FEM FEMCO, Inc. or FEMCO Div. Gulton Industries
 FER Ferguson Communications, Inc.
 FGI Fleetwood Group, Inc.
 FLL Flight Refuel, Ltd.
 FMI Farinon Microwave
 FNT Fonet, Inc.
 FOR Fort Worth Tower Co.
 FOT Fortress Technologies
 FRF 4RF Communications
 FSG Futurecom Systems Group Inc.
 FSI Frequency Source, Inc.
 FSR Federal Signal Radio
 FUJ Fujitsu Tem Corp. of America
 FUR Furuno
 FUT Futaba

G
 GAB Gabriel Corp.
 GAE General Aviation Electronics
 GAI Garmin International
 GAL Granger Associates ,Ltd.
 GAT Gates Radio Co.
 GDC General Development Corp.
 GDE General Dynamics/Electronics
 GDI Godfrey Engineering, Inc.
 GEC GEC Telecommunications, Ltd.
 GEI Galaxy Electronics, Inc.
 GEL General Electronics Laboratories, Inc.
 GEM Gem Marine Products
 GEN General Electric Corp.
 GEO Geodyne Corp.
 GEP Genesys Systems
 GEV Genave
 GIC General Instrument Corp.
 GIT Georgia Institute of Technology
 GLB GLB Electronics, Buffalo, N.Y.
 GLM Global Microwave Systems
 GMC General Motors Corp.
 GME General Microwave Services
 GMI General Microwave Corporation
 GMS Galaxy Micro Systems, Inc.
 GMW Global Microwave, Inc.
 GNI GPS Networking Inc
 GON Gonset Corp. or Gonset Division of Aerotron or Dumont Division of Gonset
GPS GPS Source Inc.
 GRA Granger Associates or Bauer Broadcast Division of Granger
 GRC General Radio Co.
 GRO Ground Data Corp.
 GRT General Radiotelephone Co.
 GTE GTE Sylvania
 GTI Skylink Uhf Wireless Network
 GTL GTE Lenkurt
 GYE Glenayre
H
 HAC Harris Corp.
 HAD Harris Aerospace Systems Divn.
 HAI Hallmark Instruments, Inc.
 HAM Hammarlund Manufacturing Co. or Dumont Division of Hammarlund
 HAN Handar Company
 HAR Harvey Radio Laboratories, Inc.
 HAS Hastings Raydist, Inc.
 HAZ Hazeltine Corp.
 HDS Household Data Services, Inc.

HEA	Heath Co.	ITS	ITT Standard
HEL	Hermes Electronics	ITT	ITT Federal Laboratories
HEP	Hewlett Packard	J	
HER	Hermer Electronics, Ltd.	JDE	John Deere
HFI	Harris Farinon, Inc.	JDT	Johnson Data Telemetry Corp.
HIC	Harris Intertype Corp.	JEP	Jet Propulsion Laboratory
HII	Herley Industries	JER	Jerrold Electronics Corp.
HIS	Highway Information Systems, Inc.	JHU	Johns Hopkins University
HME	Hartman Marine Electronics Corp.	JNN	Johnson Associates
HMI	HM Electronics, Inc.	JOH	Johnson E.F.
HMS	Herley Microwave Systems	JRC	Japan Radio Co.
HMT	Hamtronics	JTC	Janteq Corp.
HNS	Hughes Network Systems	K	
HON	Honeywell	KAM	Kaman Electronic Systems Division
HOR	Horizon	KAN	Kantronics
HRC	Henry Radio Co.	KAR	Kaar Engineering
HRS	Hendy Radio Service	KDK	KDK Inc.
HSA	Hallands Signal Attaraten	KED	Kenwood
HSC	Hawkeye Systems Corp.	KEI	Keith Anderson Co. or Keith V. Anderson
HSI	Hi Sierra	KEL	Kelvin Hughes, Ltd.
HTI	Hamtronics, Inc.	KEN	Kennedy Co.
HTS	HT Systems	KEY	Key Systems, Inc.
HUG	Hughes Aircraft Co.	KFE	K-F Electronics
HUL	Hull Electronics Co.	KIE	Kinn Electronics Corp.
HYE	Hy-Gain Electronics Corp.	KIG	Kingfisher
HYP	Hyperlink Technologies	KIN	King Radio Corp.
I		KOD	Koden America, Inc
IBM	International Business Machine Co.	KRA	Kraft Systems
ICM	ICOM	KTI	Keltec Industries
ICO	International Corp.	KUS	Kustom Signal Corp.
ICS	Industrial Comm Systems	KUX	Kustom Electronics Inc.
ICX	ICX Technologies	L	
IEC	IEC Electronics Corp.	LAB	La Barge, Inc.
IFR	Instrument Flight Research Corp.	LAC	Loea Corporation
ILS	International Laser Systems, Inc.	LAN	Lance Antenna Corp.
IMC	International Microwave Corp.	LAR	Largo Electronic Manufacturers Inc.
IMR	Imsar LLC	LCA	Univ. of Lowell Center for Atmospheric Research
IMS	International Meteorological Systems	LDS	Loral Data Systems
INC	INTRAC	LEA	Lear, Inc.
INE	Intech, Inc.	LEC	Lorain Electronics Corp.
INS	IN-SNEC	LED	Lucas Ledex
INT	Interstate Electronics Co.	LEN	Lenkurt Electric Co.
ISC	International Signal and Control	LET	Lectrosomics, Inc.
ISS	Information Station Specialist	LFE	Laboratory for Electronics, Inc.
ITF	ITT Defense Communications	LII	Litton Industries
ITG	ITT Gilfillan	LIL	Lincoln Laboratory
ITM	ITT Mackay Marine	LIN	Ling Systems, Inc.
ITO	ITT Aerospace/Optical	LLL	Lawrence Livermore Laboratory
ITP	International Telephone & Telegraph Corp. or ITT Industrial Products		

LMB Lambda RF Systems
 LNC Linear Corporation
 LNR LNR Communications, Inc.
 LOA Los Alamos National Laboratories
 LOC Lockheed Electronics
 LOE Loral Electronics Corp.
 LOM Lockheed Martin Astro Space
 LOR Lorrain County Radio Corp.
 LOS Lockheed Sanders, Inc.
 LOT Lotran, Inc.
 LPB Low Power Broadcast Co.
 LRD Laird Technologies
 LSC L-3 Space Communications
 LUC Lucos Air Space
 LYN Lynch Communications Systems, Inc.
M
 MAB M/A Comm AC, Inc.
 MAC Marconi Instruments, Division of
 English Electronics
 MAE Marine-Air Systems, Ltd.
 MAG Magnavox Co.
 MAH Martch Co.
 MAK Mark IV Industries, Ltd.
 MAM M/A COMM MAC
 MAR Mark Products Co.
 MAS Mid American Relay Systems
 MAX Maxson Electronics Corp. (Electronics
 Design)
 MBC Meteor Communications Consultants,
 Inc.
 MBE Marcel Bassaulet Electronics
 MBR Malibu Research
 MCC Microcom Corp.
 MCD McDonnell Aircraft Corp.
 MCE Micro Electronics
 MCF Microflect
 MCI Marconi Radio
 MCJ Marconi Electronics
 MCL Microwave Cavity Laboratory
 MCO Micro Communications Co.
 MCS Micronetics
 MCT Micro Control Specialities
 MDC Microdyne Corp.
 MDH Madah-Com
 MDM Microwave Design Manufacturing, Inc.
 MDS Metrodata Systems
 MDT MDTT, Inc.
 MDY Microwave Data System
 MET Metrotek Electronics Co.
 MFX Morfax, Ltd.

MGI Megapulse, Inc.
 MGT Magnetek
 MHR Minneapolis Honeywell Regulator
 MHS Microhard Systems Inc.
 MIB Mitsubishi Denki Co. or Mitsubishi
 Electric
 MIC Microdot, Inc.
 MID Microfix Instruments, Ltd.
 MIF Micromega, Divn of Bunker-Ramo Corp.
 MIL Micro-Linke Corp.
 MIN Midland Intrl. Corp.
 MIQ Miteq 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
 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
 MOT Motorola Corp.
 MOX Mobile Communications
 MPD Microwave Power Devices, Inc.
 MPH MPH Industries, Inc.
 MPI Microwave Products, Inc.
 MPN Multipoint Network
 MRC Midwest Radio Corp.
 MRE Monicor Electronics
 MRF Mid-Atlantic RF Ssystems
 MRR Marti
 MRS Micro Systems, Inc.
 MRT Marti Electronics
 MSD Marconi Space and Defense Systems
 MSI Microhard System Inc.
 MSR Mid-State Radio
 MSY Meteric Systems Corp.
 MTH Martech, Inc.
 MTI Mobile Telesystem, Inc.
 MTN Monitron Corp.
 MTR Meteor, Communications Corp.
 MTS Mobile Telesystems
 MUI Multronics, Inc.
 MUL Multi-Elmac Co.
 MUN Muniquip Co.

MUT	Multitone Electronics, Ltd.	PAI	Pacific Aerosystem, Inc.
MVI	M/A-COM Video Systems, Inc.	PAL	Palmer, B. Co.
MWB	Microwave Bypass Systems	PAR	Parsons Electronics
MWO	Microwave Radio Corp.	PAS	Park Air Systems
MWS	Microwave Sensors	PAU	Pauldon
MWT	Marconi Wireless Telegraph Co., Ltd.	PAV	PAVCO
MXN	Maxon Electronics, Inc.	PCC	Pace Communications Corp.
MYR	Marshall Radio Technology	PCE	Page Communications Engineers, Inc.
N		PCL	PC Electronics
NAR	Narda Microwave Corp.	PCM	Pacific Communications
NAU	Nautel	PCR	Pacific Crest Corp.
NAV	Naval Avionics	PCS	Proportional Control Systems
NCC	Nutex Communications Corp	PDL	Paradise Datacom LLC/LTD
NCF	National Center for Atmospheric Research	PEA	Pearce Simpson, Inc.
NCR	National Cash Register of Canada	PEG	Peninsula Engineering Corp.
NDS	Norand Data Systems, Inc.	PFE	Professional Electronics
NEA	NEC America, Inc.	PLE	Plessey Company, Ltd. (UK)
NEB	NEUTEC	PMH	Pacific Microwave Research
NEC	Nemsclarke	PMX	Primex Wireless Clock System
NER	Nera	POE	Pointer Electronics
NEU	Neulink, Divn of Celltronics	POX	Polytronics Communications or Pro-Line Electronics
NIE	Nippon Electronic Company Ltd.	PPI	Peter Pepper Inc.
NMT	New Mexico Tech	PRI	Polytronics Research, Inc.
NOC	Northrop Corp.	PRL	Polar Research Lab.
NOI	Nokia	PRO	Podelin, Inc.
NOR	Northeast Medal Industries	PRT	Pitchard Brown
NOV	Nova-Tech/Avionics or Nova Tech Inc.	PRX	Poxim
NRA	Northern Radio Co. or Northern Electronic Co.	PSI	Planning Systems Incorporated
NRB	NARCO	PST	Pwer Systems Technology, Inc.
NRC	National Aeronautic Corp.	PTI	Ptection Technology, Inc.
NSI	Nady System, Inc.	PYR	Pyramid Co.
NSM	News And Sports Microwave	Q	
NTA	Nextiva	QEI	QEI Corp.
NUC	Nucomm	QEN	Quadrant Engineering, Inc.
O		QSC	Quanta System Corp.
OAI	Oklahoma Aerotronics, Inc.	QUA	Qualimetrics Corp.
OAQ	OAQ Corp.	QUC	QALCOMM
OAR	Ocean Applied Research Corp.	QUI	Quintron Corp.
OKA	Oklahoma Electronics Co.	QUS	Quasonix Systems
OKI	OKI Denki Co.	QUT	QUALI-TRON
OMN	Omnitek	R	
OOS	Odom Offshore Survey	RAC	Racal Communications, Ltd.
OPH	Ophir	RAD	Radiation, Inc.
OPS	Opos Electronics	RAE	Racal Electronics, Ltd.
OSC	Orbital Sciences Corp.	RAG	Radian Corp.
P		RAJ	Ray Jefferson Co.
PAD	Pacific Advanced Engineering, Inc.	RAM	Raymarine Inc.
PAE	Park Aire Electronics	RAN	Rantec Corp.
		RAS	Radio Shack

RAT Ratelco, Inc.
 RAV Raveon Technologies
 RAW Radwin
 RAY Raytheon Co. or Raytheon Manufacturing Co.
 RCA Radio Corporation of America
 RCN Racon, Inc.
 RCT Remote Control Technologies
 RCV RCA Victor Company, Ltd.
 RDA Radair, Inc.
 RDE Radtec Engineering
 RDN Raydyne, Inc.
 RDW Radio Waves Inc.
 REF Republic Electronics Films, Inc.
 REG Ross Engineering
 REI Regency Electronics, Inc.
 REL Radio Electronics Laboratories
 REP Repco, Inc. or R.G.P. Co.
 RES Resdel Engineering Corp.
 RFC RF Communications Associates, Inc.
 RFE Rafael
 RFI Radio Frequency Communications, Inc.
 RFS Radio Frequency Systems
 RFT R. F. Technology
 RGC Ranger Communications
 RHG RHG Electronics Laboratories
 RIE Rockwell International Electronics
 RIT Ritcon, Inc.
 RLC Realistic Co.
 RMC Relm Communications, Inc.
 RMI Racal Decca Marine, Inc.
 RMT Remotec, Inc.
 RMX Radiometrix
 RNS Radionics
 ROB Robinson Electronics
 ROC Recon Optical, Inc.
 ROE Robinson Engineering Co.
 ROS Rohde Schwarz
 ROT Rothenbuhler Engineering
 RQM Racon, Inc. Quality Microwave
 RRC Radio Receptor Co.
 RSI Radio Systems, Inc.
 RSM Radio Specialty Manufacturing
 RSS RS Systems, Inc.
 RTK REFTEK
 RTR Ritron, Inc.
 RWC Rockwell, Collins
S
 SAB SAAB
 SAC Sabre Communications Corp.

SAD Sandia Corp.
 SAI Springer Aircraft Radio Corp.
 SAL Salco Manufacturing Co.
 SAN Sanders Associates, Inc.
 SAR Stoddard Aircraft Radio Co.
 SAT Sarkes Tarzian, Inc.
 SBE Seaboard Electronics
 SCA Scala Radio Corp.
 SCC Secode Corp.
 SCI Scientific Atlanta Co.
 SCM SCM Melabs, Inc.
 SCO Scope, Inc.
 SCT Science Applications International Technology, Inc.
 SCT Science Applications International Corporation (SAIC)
 SDI Safety Devices, Inc.
 SEA Sears Roebuck Co.
 SEC Struthers Electronics Corp.
 SEI Seiscor Manufacturing Co.
 SEL Selenia S.P.A. (Italy)
 SEM Seatron, Inc.
 SEN Sennheiser Electronic Corp.
 SEO SEMCO
 SER Servo Corp. of America
 SFC Safecom (Radionics)
 SFI Stanford Telecommunications, Inc.
 SGC Sperry Gyroscope Company of Canada, Ltd.
 SHU Shure Brothers, Inc.
 SIA Stephens Engineering Associates, Inc.
 SIC SRI International
 SID Sierra Digital
 SIE Sierra Electronic Division of Philco
 SIG Signal Communications
 SIH Siemens-Halske
 SII Sirit Corp
 SIM Simpson Electronics
 SIN Spectrum Communications, Inc.
 SIP Sippian Ocean Systems
 SIR Sitra
 SLM Spacelabs Medical
 SLT Satellite Transmission Systems, Inc.
 SMG Symbol Technology, Inc.
 SML Space Microwave Lab.
 SMO Sierra Misco
 SMR Shine Micro Radarplus
 SMT Samson Technologies Corp.
 SMW Southern California Microwave
 SNC Sierra Nevada Corp.

SNS	Senstar Corp.	SYN	Synergetics
SNT	Santec	SYS	Systron Donner Corp (Demornay Bonardi)
SOA	Southern Avionics		
SON	Sonar Radio Corp.	T	
SOY	Sony	TAC	Technical Appliance Corp.
SOZ	Southcom International, Inc.	TAD	TAD-American Corp.
SPA	Spar Aerospace, Ltd.	TAE	Tait Electronics, Ltd.
SPB	System Planning Co.	TAT	Thrane & Thrane
SPC	Space Technical Laboratories	TBL	Trimble Navigation
SPD	Sperry Corp.	TBN	Tayburn
SPE	Space Electronics	TCD	Techdyn Systems Corp.
SPG	Space General	TCI	Tel Com Industries
SPK	Spike Technologies, Inc.	TCM	TCOM Industries, Inc.
SPN	Sparton Electronics	TCO	Temco Aerosystems
SPR	Sperry Corp. or Servo Corporation of America	TCT	Transcidtronic
		TDC	Teledyne T/M Co.
SPZ	Sperry Marine Systems	TDI	TeleDesign
SQA	Square D Co.	TDL	Tidelands
SQL	Spacequest LTD	TDY	Tele-Dynamics
SRM	Sierra Monolithics, Inc.	TEC	Telviso Electronics
SRS	Scientific Radio Systems, Inc.	TED	Teldex
SRU	SATEL Radio USA	TEI	Texas Instrument, Inc.
SSI	Surface System, Inc.	TEK	Te-Ka-De Co.
SSN	Sensis Corp.	TEL	Telrex Laboratories
SSR	Sensor Systems	TEN	Teletronix Engineering Co.
SSY	Stellar System	TEO	Telemotive
STA	Standard Electronics	TEP	Tepco Corp.
STB	Standard Communications	TEQ	Tenna Corp.
STD	Standard Elektrik Lorenz	TER	Terra-Com
STE	Stephenson	TES	Technisonic Industries
STM	ST Microwave	TET	Tactical Electronics Corp.
STR	Stromberg Carlson Products Co.	THA	Thales ATM
STS	Standard Electrica S.A.	THC	Thomson CSF
STW	Stewart Warner Corporation of Canada, Ltd.	THE	Thorn EMI Electronics, Inc.
		THY	Technology Service Corp.
STX	SI-Tex Marine Electronics, Inc.	TIA	Television Technology Corp.
STY	Sensor Technology Systems, Inc.	TIE	Tel Instrument Electronics
SUM	Summers & Mills	TII	Teledyne Industries, Inc.
SUN	Sunair Electronics, Inc.	TIL	Transcript International
SUR	Sur-Tec, Inc.	TIM	Time Domain Corporation
SUT	Sutron Co.	TIN	Telinstrument Co.
SWI	Swintek Cordless Microphone Co.	TIS	Tadiran Israel Industries, Ltd.
SWM	Southwest Microwave Co., Inc.	TKL	Teklogix, Inc.
SWR	Southwest Research Institute	TKM	TEK Mark Company
SWS	Swiss Phone	TLA	Telonica Corp.
SYA	Syracuse Research Corp.	TLC	TRT Groupe
SYE	Systems Engineering & Management Corporation	TLF	Telefunken Gmbh.
		TLM	Telemobile, Inc.
SYL	Sylvania Electronics Defense Laboratory or Sylvania Electronics Products	TLP	Telephonic Corp.
		TLR	Telline Radio

TLX Telex Co.
 TMA Tampa Microwave
 TMC Technical Materiel Corp.
 TMD TMC Systems & Power Corp. or
 Telemotive Division of Dynascan
 TMR Terma Elektronik
 TNC Technocom
 TNS Telonics
 TOA Townsend Associates
 TOS Toshiba Co.
 TPL Technology Proprietary, Ltd.
 TRA Transco Products, Inc.
 TRB Trans World Communications, Inc.
 TRF TRF Company
 TRI Tracor, Inc.
 TRM Tram/Diamond Corp.
 TRN Tran-Com
 TRP Tri-Com, Inc.
 TRW TRW Electronics
 TRZ Travelers Information Services, Inc.
 TSB Transcience
 TSC Teledyne Systems Co.
 TSI Tactical Systems, Inc.
 TSS Telesystems, Inc.
 TTC Titian Corp. TTI
 TTK Tron-Tek, Inc.
 TTS Telescience Transmission System, Inc.
 TTT Tactical Technology, Inc.
 TXA Tectron Defense Systems
 TXC Telxon Corporation
 TYC Tycho-Tech
U
 UDN Uniden
 UNI Univac Corp.
 UNS Unisys Corp.
 USE Use Corporation
 USN Universal Space Network Inc.
V
 VAI Vaisala
 VAL Valcom, Ltd.
 VAR Varian Associates
 VAT Viatic
 VEC Vector Manufacture Co.
 VEG Vega Electronics Corp.

VER Versa-Count
 VEX Vertex Communications Corp.
 VHF VHF Engineering Co.
 VIA Victoreen Instrument Co.
 VIL Vitel
 VIS Visual Manufacturing Division
 VIT Vitro Electronics
 VIX Vista Manufacturing Co.
 VIZ VIZ Corp.
 VST Viasat Technologies Co.
 VTC Vectran Corp.
 VUA Vector Division of United Aircraft
 VYT Vytex, Inc.
W
 WAT Washington Technological Assn., Inc
 WAV Wavetek
 WBL Weibel Scientific, Inc.
 WEC Western Electric Company, Inc.
 WED Winston Electronics Division
 WEI Ward Electronic Industries
 WES Westinghouse Electric Co.
 WHD Windermere HDS
 WHE Whelen
 WIK Wilkinson Electronics, Inc.
 WIL Wilcox Electric Corp.
 WIN Wind Data
 WJO Watkins Johnson Co.
 WLC Wilson Electronic Corp.
 WMC Weather Measure Corp.
 WMX Western Multiplex Corporation
 WRL World Radio Laboratories
 WSM Western Space and Marine
 WUL Wulfsberg Electronics
X
 XCM Xicom Technology
 XON Xontech, Inc.
 XTR Xetron Corp.
Y
 YDI Yarnell Data, Inc.
 YEA Yaesu
Z
 ZEP Zephyrus
 ZET Zeta Laboratories

G.6 ANTENNA ABBREVIATIONS

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

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

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

(Last Page in Annex G)