



MAY 11 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Addition of a Definition for Dynamic Spectrum Access to Section 6.1.1 and the Addition of the Term Dynamic Spectrum Access in Part 8.4 of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following text is reflected in the next revision of the manual.

6.1.1 Special Terms (General) (Edited)

....

Duplex Operation: Operating method in which transmission is possible simultaneously in both directions of a telecommunication channel. (RR)

Dynamic Spectrum Access: The real-time adjustment of spectrum utilization in response to changing circumstances and objectives.

Earth Exploration-Satellite Earth Station: An earth station in the Earth exploration-satellite service.

8.4 Cognitive Radio System, Dynamic Spectrum Access, and Software Defined Radio

Radiocommunication systems using Cognitive Radio, Dynamic Spectrum Access, or Software Defined techniques in any radiocommunications service shall operate in accordance with the provisions of NTIA rules governing those services.

6.1.1 Special Terms (General) *(Clean)*

....

Duplex Operation: Operating method in which transmission is possible simultaneously in both directions of a telecommunication channel. (RR)

Dynamic Spectrum Access: The real-time adjustment of spectrum utilization in response to changing circumstances and objectives.

Earth Exploration-Satellite Earth Station: An earth station in the Earth exploration-satellite service.

8.4 Cognitive Radio System, Dynamic Spectrum Access, and Software Defined Radio

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UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

JUN 17 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

Authorization for the Addition of Four New Special Notes (S932 - S936) to Part A.6 of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

Part A.6 - Special Notes

S932--This assignment supports the FCC Authorization of an earth station to communicate with a non-U.S. licensed satellite.

S933--This assignment supports NASA Juno spacecraft operations.

S934--This assignment supports NASA Gravity Recovery and Interior Laboratory (GRAIL) spacecraft operations.

S935--This assignment supports NASA Nuclear Spectroscopic Telescope Array (NuSTAR) spacecraft operations.

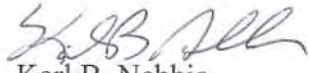
S936--This assignment supports NASA Soil Moisture Active Passive (SMAP) spacecraft operations.



JUN 17 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:


Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT: Authorization for the Modification of Section 4.3.11 of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

Section 4.3.11 Plan for Bio-Medical Telemetry and Medical Radiocommunication
(Underlined/Strikeout Text)

...

1. This frequency may be authorized for base (FB or FC), mobile (ML or MS), mobile repeater (MLR), and for fixed (FX) operations to access a repeater which retransmits on a different frequency. This frequency shall be authorized for both federal and non-federal use with a maximum Effective Radiated Power (ERP) of 100 watts. Airborne operations on this frequency are prohibited. The fixed station classes included in this limitation are in addition to those mentioned in ~~US216-US73~~(A).

Section 4.3.11 Plan for Bio-Medical Telemetry and Medical Radiocommunication
(Clean Text)

....

1. This frequency may be authorized for base (FB or FC), mobile (ML or MS), mobile repeater (MLR), and for fixed (FX) operations to access a repeater which retransmits on a different frequency. This frequency shall be authorized for both federal and non-federal use with a maximum Effective Radiated Power (ERP) of 100 watts. Airborne operations on this frequency are prohibited. The fixed station classes included in this limitation are in addition to those mentioned in US73 (A).



AUG 15 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Addition of an Abbreviation for the
Federal Housing Finance Agency to Part G.1 of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

Part G.1 (Edited)

Agency	Bureau	Abbreviation
Federal Mediation and Conciliation Service		FMCS
Federal Deposit Insurance Corporation		FDIC
<u>Federal Housing Finance Agency</u>		<u>FHFA</u>
	<u>Office of Inspector General</u>	<u>OIG</u>
Federal Reserve System		FRS

Part G.1 (Clean)

Agency	Bureau	Abbreviation
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



UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

AUG 15 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Modification Part A.6 (S595) of the
NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

Part A.6 (Edited)

S595--This assignment ~~shall expire upon completion of GPS Phase II space projects~~ supports the GPS program.

Part A.6 (Clean)

S595--This assignment supports the GPS program.



SEP 19 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:

Karl B. Nebbia
 Associate Administrator
 Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Modification of Section B.1.1 of the
 NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

B.1.1 Limitations on Power and Direction of Maximum Radiation of Stations in the Fixed Service in the Band 8025-8400 MHz *(Edited)*

....

RANGES OF AZIMUTHS TO BE AVOIDED Southern Hemisphere *(Edited Text)*

Latitude of Terrestrial Station (NS)	From	To	From	To
0	88.500	91.50	268.50	271.50
....				

B.1.1 Limitations on Power and Direction of Maximum Radiation of Stations in the Fixed Service in the Band 8025-8400 MHz *(Clean)*

....

RANGES OF AZIMUTHS TO BE AVOIDED Southern Hemisphere *(Clean Text)*


Latitude of Terrestrial Station (S)	From	To	From	To
0	88.50	91.50	268.50	271.50
....				



UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

SEP 19 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM: 
Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT: NTIA Authorization for the Addition of Special Note S937 to Part A.6 of the NTIA Manual.

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure the following new special note is reflected in the next revision of the manual.

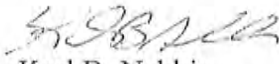
A.6 Special Notes

S937--This assignment shall expire upon completion of Mobile User Objective System (MUOS) space program.



SEP 19 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM: 
 Karl B. Nebbia
 Associate Administrator
 Office of Spectrum Management

SUBJECT: NTIA Authorization for the Modification of Section 6.1.4 (Add Station Classes E-1 through E-4) of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

6.1.4 Table of Services, Station Classes, and Stations (Edited Text)

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TABLE A. Table of Services, Station Classes, and Stations		
Service	Station Class	Station
1. Amateur	None	Amateur
2. Broadcasting	BC	Broadcasting (sound)
	BT	Broadcasting (television)
3. Broadcasting-Satellite	EB	Space (sound)
	EV	Space (television)
4. Earth Exploration-Satellite	<u>E3</u>	<u>Space (Active-Sensor)</u>
	<u>E4</u>	<u>Space (Passive Sensor)</u>
	EW	Space
	TW	Earth
<i>Meteorological-Satellite</i>	EM	Space
	TM	Earth
5. Fixed	FX	Fixed
	FXD	Telecommand Fixed
	FXE	Telemetry Fixed
	FXH	Hydrologic and Meteorological Fixed
....		
15. Space Research	<u>E1</u>	<u>Space (Active-Sensor)</u>
	<u>E2</u>	<u>Space (Passive Sensor)</u>
	EH	Space
	TH	Earth
....		

6.1.4 Table of Services, Station Classes, and Stations (Clean Text)

....

TABLE A. Table of Services, Station Classes, and Stations		
Service	Station Class	Station
1. Amateur	None	Amateur
2. Broadcasting	BC BT	Broadcasting (sound) Broadcasting (television)
3. Broadcasting-Satellite	EB EV	Space (sound) Space (television)
4. Earth Exploration-Satellite	E3 E4 EW TW	Space (Active-Sensor) Space (Passive Sensor) Space Earth
<i>Meteorological-Satellite</i>	EM TM	Space Earth
5. Fixed	FX FXD FXE FXH	Fixed Telecommand Fixed Telemetry Fixed Hydrologic and Meteorological Fixed
....		
15. Space Research	E1 E2 EH TH	Space (Active-Sensor) Space (Passive Sensor) Space Earth
....		



SEP 19 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

Authorization for the Modification of Section 8.2.54 of the NTIA Manual.

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. With the completion of the NASA Space Shuttle program Section 8.2.54 of the NTIA Manual needs to be modified. Paragraphs 1 and 2 are reversed so that these issues are addressed in frequency order. The text in paragraph 2.a is no longer needed and is deleted and some editorial corrections are required for paragraph 2.b. Please ensure that the following changes are reflected in the next revision of the manual.

8.2.54 Policy on the Use of the Frequency Bands Between 406.1 and 450 MHz by Range Safety Operations (Edited Text)

The following policy is established with respect to use of the bands between 406.1 and 450 MHz by range safety operations (i.e., command destruct/flight termination):

- ~~21.~~ Range safety operations are authorized in the 406.1-420 MHz band but limited to:
 - ~~a. use of the frequency 416.5 MHz at Jonathan Dickinson Missile Tracking Annex, Jupiter, FL, Wallops Island, VA, and Cape Canaveral AFB, FL for support of the NASA Space Shuttle through December 31, 2014; and~~
 - ~~b. the use of the frequency 416.5 MHz at Pillar Point AFS, CA; Laguna, CA; Point Mugu, CA; and Vandenberg AFB, CA through December 31, 2014. The use of command destruct at these California locations is limited to the Army Missile Defense Agency (MDA) program and any other use of the frequencies must be requested using the STA process in 8.3.32.~~
- ~~22.~~ Range safety operations may be authorized in the 420-450 MHz band, but will be limited to ~~Federal Government~~ federal test ranges. Transmitted power shall be limited to 1 kW except at Vandenberg AFB, CA, White Sands Missile Range, NM, and Cape Canaveral ~~AFS Air Force Station, FL~~, where the maximum transmitted power shall not exceed 10 kW. Any requirement for transmitted powers above 1 kW at federal test ranges other than the three aforementioned locations must be agreed to by the FCC.

8.2.54 Policy on the Use of the Frequency Bands Between 406.1 and 450 MHz by Range Safety Operations (Clean Text)

The following policy is established with respect to use of the bands between 406.1 and 450 MHz by range safety operations (i.e., command destruct/flight termination):

1. Range safety operations are authorized in the 406.1-420 MHz band but limited to the use of 416.5 MHz at Pillar Point AFS, CA; Laguna, CA; Point Mugu, CA; and Vandenberg AFB, CA through December 31, 2014. The use of command destruct at these locations is limited to the Army Missile Defense Agency (MDA) program and any other use of the frequencies must be requested using the STA process in 8.3.32.


2. Range safety operations may be authorized in the 420-450 MHz band, but will be limited to federal test ranges. Transmitted power shall be limited to 1 kW except at Vandenberg AFB, CA, White Sands Missile Range, NM, and Cape Canaveral AFS, FL, where the maximum transmitted power shall not exceed 10 kW. Any requirement for transmitted powers above 1 kW at federal test ranges other than the three aforementioned locations must be agreed to by the FCC.



OCT 4 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:


Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Revision of Part G.2 of the NTIA
Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

G.2 GEOGRAPHICAL ABBREVIATIONS *(Edited Text)*

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)~~

G.2.2 United States Territories and Possessions

Caribbean Area

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

Pacific Area

-	Baker Island
GUM	Guam
HWL	Howland Island
JAR	Jarvis Island
JON	Johnston Island (including Sand Island) Kingman Reef
MDW	Midway (Includes Eastern and Sand Islands)
MRA	(except Guam) <u>Commonwealth of Northern Mariana Islands</u> 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	<u>American Samoa</u> Samoa (American) (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, Burma , Cambodia, Indonesia, Laos, Malaysia, <u>Myanmar</u> , 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.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)
<u>BGR</u>	<u>Bulgaria</u>
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
BRM	Myanmar (Union of)
BRU	Brunei Darussalam
BTN	Bhutan (Kingdom of)
BUL	Bulgaria (Republic of)
CAF	Central African Republic
CAN	Canada
CAR	Caroline Islands
CBG	Cambodia (Kingdom of)
CHL	Chile (except Easter Island)
CHN	China (People's Republic of)
CHR	Christmas Island (Indian Ocean)
CKH	Cook Islands
CLM	Colombia (Republic of)
CLN	Sri Lanka (Democratic Socialist Republic of)
CME	Cameroon (Republic of)
CNR	Canary Islands
<u>COD</u>	<u>Democratic Republic of the Congo</u>
COG	Congo (Republic of the)
COM	Comoros (Islamic Federal Republic of the)
CPV	Cape Verde (Republic of)
CRO	Crozet Archipelago
CTI	Cote d'Ivoire (Republic of)
CTR	Costa Rica
CUB	Cuba
CVA	Vatican City State
CYM	Cayman Islands
CYP	Cyprus (Republic of)
CZE	Czech Republic
D	Germany (Federal Republic of)
DGA	Diego Garcia
DJI	Djibouti (Republic of)
DMA	Dominica (Commonwealth of)
DNK	Denmark
DOM	Dominican Republic
E	Spain
EGY	Egypt (Arab Republic of)
EQA	Ecuador

ERI	Eritrea
EST	Estonia (Republic of)
ETH	Ethiopia
F	France
FJI	Fiji (Republic of)
FLK	Falkland Islands (Malvinas)
FIN	Finland
FRO	Faroe Islands
FSM	Micronesia (Federated States of) (Kapingamarangi, Kosrae, Lamotrek, Namonuito, Nukuoro, Oroluk, Pohnpei, Truk, Ulithi, Woleai, Yap)
G	United Kingdom of Great Britain and Northern Ireland
GAB	Gabonese Republic
GCA	Territories of the United Kingdom in Region 1
GCC	Territories of the United Kingdom in Region 3
GDL	Guadeloupe (French Department of)
GEO	Georgia (Republic of)
GHA	Ghana
GIB	Gibraltar
GMB	Gambia (Republic of the)
GNB	Guinea-Bissau (Republic of)
GNE	Equatorial Guinea (Republic of)
GRC	Greece
GRD	Grenada
GRL	Greenland
GTM	Guatemala (Republic of)
GUF	Guiana (French Department of)
GUI	Guinea (Republic of)
GUM	Guam
GUY	Guyana
HKG	Hong Kong
HND	Honduras (Republic of)
HNG	Hungary (Republic of)
HOL	Netherlands (Kingdom of the)
HRV	Croatia (Republic of)
HTI	Haiti (Republic of)
HWA	Hawaii (not for use in GMF; for ITU use only)
I	Italy
ICO	Cocos Keeling Islands
IND	India (Republic of)
INS	Indonesia (Republic of)
IRL	Ireland
IRN	Iran (Islamic Republic of)
IRQ	Iraq (Republic of)

ISL	Iceland
ISR	Israel (State of)
J	Japan (includes Iwo Jima, Marcus Island, Ryu Kyu Islands)
JMC	Jamaica
JON	Johnston Island
JOR	Jordan (Hashemite Kingdom of)
KAZ	Kazakhstan (Republic of)
KEN	Kenya (Republic of)
KER	Kerguelen Islands
KGZ	Kyrgyz Republic
KIR	Kiribati (Republic of)
<u>KNA</u>	<u>Saint Kitts and Nevis (Federation of)</u>
KOR	Korea (Republic of)
KRE	Democratic People's Republic of Korea
KWT	Kuwait (State of)
LAO	Lao People's Democratic Republic
LBN	Lebanon
LBR	Liberia (Republic of)
LBY	Libya (Socialist People's Libyan Arab Jamahiriya)
LCA	Saint Lucia
LIE	Liechtenstein (Principality of)
LSO	Lesotho (Kingdom of)
LTU	Lithuania (Republic of)
LUX	Luxembourg
LVA	Latvia (Republic of)
MAC	Macao
MAU	Mauritius (Republic of)
MCO	Monaco (Principality of)
MDA	Moldova (Republic of)
MDG	Madagascar (Democratic Republic of)
MDR	Madeira
MDW	Midway Islands
MEX	Mexico
MHL	Marshall Islands (Republic of the) (Ailinglapalap, Arno, Ebeye, Enewetak, Jaluit, Kwajalein, Majuro, Mili, Roi-Namur, Rongelap)
MKD	<u>Macedonia (Republic of) (The Former Yugoslav Republic of Macedonia)</u>
MLA	Malaysia
MLD	Maldives (Republic of)
MLI	Mali (Republic of)
MLT	Malta
<u>MMR</u>	<u>Myanmar</u>
<u>MNE</u>	<u>Montenegro</u>
MNG	Mongolian People's Republic
MOZ	Mozambique (Republic of)

MRA	Mariana Islands (except Guam)
MRC	Morocco (Kingdom of)
MRN	Marion Island
MRT	Martinique (French Department of)
MSR	Montserrat
MTN	Mauritania (Islamic Republic of)
MWI	Malawi
MYT	Mayotte Island
NCG	Nicaragua
NCL	New Caledonia
NFK	Norfolk Island
NGR	Niger (Republic of the)
NIG	Nigeria (Federal Republic of)
NIU	Niue Island
<u>NLD</u>	<u>Netherlands (Kingdom of)</u>
NMB	Namibia (Republic of)
NOR	Norway
NPL	Nepal
NRU	Nauru (Republic of)
NZL	New Zealand
OCE	French Polynesia
OMA	Oman (Sultanate of)
PAK	Pakistan (Islamic Republic of)
PAQ	Easter Island (Chile)
PHL	Philippines (Republic of the)
PHX	Phoenix Islands
PLM	Palmyra Island (some 50 islands make up the Atoll of Palmyra)
PLW	Palau (Republic of)
PNG	Papua New Guinea
PNR	Panama (Republic of)
POL	Poland (Republic of)
POR	Portugal
PRG	Paraguay (Republic of)
PRU	Peru
PTC	Pitcairn Island
PTR	Puerto Rico (including Culebra, Mona, and Vieques) (not for use in GMF; for ITU use only)
QAT	Qatar (State of)
REU	Reunion (French Department of)
ROD	Rodriguez
ROU	Romania
RUS	Russian Federation

RRW	Rwandese Republic
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
SLV	El Salvador (Republic of)
SMA	American Samoa
SMO	Western Samoa (Independent State of)
SMR	San Marino (Republic of)
SNG	Singapore (Republic of)
SOM	Somali Democratic Republic
SPM	Saint Pierre and Miquelon (French Department of)
<u>SRB</u>	<u>Serbia</u>
SRL	Sierra Leone
STP	Sao Tome and Principe (Democratic Republic of)
<u>STP</u>	<u>Sao Tome and Principe (Democratic Republic of)</u>
SUI	Switzerland (Confederation of)
SUR	Suriname (Republic of)
SVK	Slovak Republic
SVN	Slovenia (Republic of)
SWN	Swan Islands
SWZ	Swaziland (Kingdom of)
SYR	Syrian Arab Republic
TCA	Turks and Caicos Islands
TCD	Chad (Republic of)
TGO	Togolese Republic
THA	Thailand
TKL	Tokelau Islands
TJK	Tajikistan (Republic of)
TKM	Turkmenistan
TMP-TLS	East-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	Viet Nam (Socialist Republic of)
VUT	Vanuatu (Republic of)
WAK	Wake Island
WAL	Wallis and Futuna Islands
YEM	Yemen (Republic of)
YUG	Yugoslavia (Federal Republic of)
ZAI	Zaire (Republic of)
ZMB	Zambia (Republic of)
ZWE	Zimbabwe (Republic of)

G.2 GEOGRAPHICAL ABBREVIATIONS *(Clean Text)*

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 Section 9.8.2)

G.2.1 United States (50 United States and the District of Columbia)

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

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

G.2.2 United States Territories and Possessions

Caribbean Area

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

Pacific Area

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

G.2.3 Area and Other Abbreviations

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

- USP For use only when transmitting and/or receiving throughout the US (50 States and District of Columbia), the Commonwealth of Puerto Rico, and the Territories and Possessions (does not include the former Trust Territory of the Pacific Islands)
- XXXX See Section 9.8.2, paragraph 21.b

G.2.4 Country Abbreviations

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

BRU	Brunei Darussalam
BTN	Bhutan (Kingdom of)
CAF	Central African Republic
CAN	Canada
CAR	Caroline Islands
CBG	Cambodia (Kingdom of)
CHL	Chile (except Easter Island)
CHN	China (People's Republic of)
CHR	Christmas Island (Indian Ocean)
CKH	Cook Islands
CLM	Colombia (Republic of)
CLN	Sri Lanka (Democratic Socialist Republic of)
CME	Cameroon (Republic of)
CNR	Canary Islands
COD	Democratic Republic of the Congo
COG	Congo (Republic of the)
COM	Comoros (Islamic Federal Republic of the)
CPV	Cape Verde (Republic of)
CRO	Crozet Archipelago
CTI	Cote d'Ivoire (Republic of)
CTR	Costa Rica
CUB	Cuba
CVA	Vatican City State
CYM	Cayman Islands
CYP	Cyprus (Republic of)
CZE	Czech Republic
D	Germany (Federal Republic of)
DGA	Diego Garcia
DJI	Djibouti (Republic of)
DMA	Dominica (Commonwealth of)
DNK	Denmark
DOM	Dominican Republic
E	Spain
EGY	Egypt (Arab Republic of)
EQA	Ecuador
ERI	Eritrea
EST	Estonia (Republic of)
ETH	Ethiopia
F	France
FJI	Fiji (Republic of)
FLK	Falkland Islands (Malvinas)
FIN	Finland

FRO	Faroe Islands
FSM	Micronesia (Federated States of) (Kapingamarangi, Kosrae, Lamotrek, Namonuito, Nukuoro, Oroluk, Pohnpei, Truk, Ulithi, Woleai, Yap)
G	United Kingdom of Great Britain and Northern Ireland
GAB	Gabonese Republic
GCA	Territories of the United Kingdom in Region 1
GCC	Territories of the United Kingdom in Region 3
GDL	Guadeloupe (French Department of)
GEO	Georgia (Republic of)
GHA	Ghana
GIB	Gibraltar
GMB	Gambia (Republic of the)
GNB	Guinea-Bissau (Republic of)
GNE	Equatorial Guinea (Republic of)
GRC	Greece
GRD	Grenada
GRL	Greenland
GTM	Guatemala (Republic of)
GUF	Guiana (French Department of)
GUI	Guinea (Republic of)
GUM	Guam
GUY	Guyana
HKG	Hong Kong
HND	Honduras (Republic of)
HNG	Hungary (Republic of)
HRV	Croatia (Republic of)
HTI	Haiti (Republic of)
HWA	Hawaii (not for use in GMF; for ITU use only)
I	Italy
ICO	Cocos Keeling Islands
IND	India (Republic of)
INS	Indonesia (Republic of)
IRL	Ireland
IRN	Iran (Islamic Republic of)
IRQ	Iraq (Republic of)
ISL	Iceland
ISR	Israel (State of)
J	Japan (includes Iwo Jima, Marcus Island, Ryu Kyu Islands)
JMC	Jamaica
JON	Johnston Island
JOR	Jordan (Hashemite Kingdom of)
KAZ	Kazakhstan (Republic of)
KEN	Kenya (Republic of)

KER	Kerguelen Islands
KGZ	Kyrgyz Republic
KIR	Kiribati (Republic of)
KNA	Saint Kitts and Nevis (Federation of)
KOR	Korea (Republic of)
KRE	Democratic People's Republic of Korea
KWT	Kuwait (State of)
LAO	Lao People's Democratic Republic
LBN	Lebanon
LBR	Liberia (Republic of)
LBY	Libya (Socialist People's Libyan Arab Jamahiriya)
LCA	Saint Lucia
LIE	Liechtenstein (Principality of)
LSO	Lesotho (Kingdom of)
LTU	Lithuania (Republic of)
LUX	Luxembourg
LVA	Latvia (Republic of)
MAC	Macao
MAU	Mauritius (Republic of)
MCO	Monaco (Principality of)
MDA	Moldova (Republic of)
MDG	Madagascar (Democratic Republic of)
MDR	Madeira
MDW	Midway Islands
MEX	Mexico
MHL	Marshall Islands (Republic of the) (Ailinglapalap, Arno, Ebeye, Enewetak, Jaluit, Kwajalein, Majuro, Mili, Roi-Namur, Rongelap)
MKD	Macedonia (Republic of) (The Former Yugoslav Republic of Macedonia)
MLA	Malaysia
MLD	Maldives (Republic of)
MLI	Mali (Republic of)
MLT	Malta
MMR	Myanmar
MNE	Montenegro
MNG	Mongolian People's Republic
MOZ	Mozambique (Republic of)
MRA	Mariana Islands (except Guam)
MRC	Morocco (Kingdom of)
MRN	Marion Island
MRT	Martinique (French Department of)
MSR	Montserrat
MTN	Mauritania (Islamic Republic of)
MWI	Malawi
MYT	Mayotte Island

NCG	Nicaragua
NCL	New Caledonia
NFK	Norfolk Island
NGR	Niger (Republic of the)
NIG	Nigeria (Federal Republic of)
NIU	Niue Island
NLD	Netherlands (Kingdom of)
NMB	Namibia (Republic of)
NOR	Norway
NPL	Nepal
NRU	Nauru (Republic of)
NZL	New Zealand
OCE	French Polynesia
OMA	Oman (Sultanate of)
PAK	Pakistan (Islamic Republic of)
PAQ	Easter Island (Chile)
PHL	Philippines (Republic of the)
PHX	Phoenix Islands
PLM	Palmyra Island (some 50 islands make up the Atoll of Palmyra)
PLW	Palau (Republic of)
PNG	Papua New Guinea
PNR	Panama (Republic of)
POL	Poland (Republic of)
POR	Portugal
PRG	Paraguay (Republic of)
PRU	Peru
PTC	Pitcairn Island
PTR	Puerto Rico (including Culebra, Mona, and Vieques) (not for use in GMF; for ITU use only)
QAT	Qatar (State of)
REU	Reunion (French Department of)
ROD	Rodriguez
ROU	Romania
RUS	Russian Federation
RRW	Rwandese Republic
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

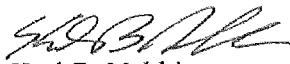
SLV	El Salvador (Republic of)
SMA	American Samoa
SMO	Western Samoa (Independent State of)
SMR	San Marino (Republic of)
SNG	Singapore (Republic of)
SOM	Somali Democratic Republic
SPM	Saint Pierre and Miquelon (French Department of)
SRB	Serbia
STP	Sao Tome and Principe (Democratic Republic of)
SUI	Switzerland (Confederation of)
SUR	Suriname (Republic of)
SVK	Slovak Republic
SVN	Slovenia (Republic of)
SWN	Swan Islands
SWZ	Swaziland (Kingdom of)
SYR	Syrian Arab Republic
TCA	Turks and Caicos Islands
TCD	Chad (Republic of)
TGO	Togolese Republic
THA	Thailand
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	Viet Nam (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)



OCT 5 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM: 
 Karl B. Nebbia
 Associate Administrator
 Office of Spectrum Management

SUBJECT: NTIA Authorization for the Modification of the 10-10.5 GHz
 Allocation in Section 4.1.3 of NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

Section 4.1.3 (Edited Text)

United States Table		FCC Rule Part(s)
Federal Table	Non-Federal Table	
10-10.455 RADIOLOCATION US58 US108 G32	10-10.45 Amateur Radiolocation US108	Private Land Mobile (90) Amateur Radio (97)
	5.479 US58 NG42	
5.479	10.45-10.5 Amateur Amateur-satellite Radiolocation US108	
10.5-10.55 RADIOLOCATION US59	US58 NG42 NG134	Private Land Mobile (90)

Section 4.1.3 (Clean Text)

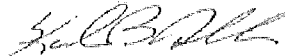
United States Table		FCC Rule Part(s)
Federal Table	Non-Federal Table	
10-10.5 RADIOLOCATION US58 US108 G32	10-10.45 Amateur Radiolocation US108 5.479 US58 NG42	Private Land Mobile (90) Amateur Radio (97)
	10.45-10.5 Amateur Amateur-satellite Radiolocation US108	
5.479	US58 NG42 NG134	
10.5-10.55 RADIOLOCATION US59		Private Land Mobile (90)



OCT 7 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:


Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Addition of Section 9.8.2
Subparagraph 39.p Point of Contact to the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. A new circuit remarks field "Point of Contact (*POC)" is added to the GMF assignment record. This field identifies the person at the lowest level knowledgeable about the system and can assure the information provided is correct. I expect that this check will be implemented 60 days after incorporation into Spectrum XXI. Please ensure that the following changes are reflected in the next revision of the manual.

Section 9.8.2, 39 (Edited Text)

....

*p. Reserved Point of Contact (*POC)*

This field is required on all federal radio spectrum applications for use in United States and its possessions. This entry identifies the person and associated contact information that validated the assignment data is correct. The field is completed by entering the following data:

- a. Enter the field code REMnn followed by a space. Following the space enter the code *POC followed by a comma.
- b. Immediately after the comma, enter the name of the individual (not to exceed 17 characters) at the lowest level as designated by the agency followed by a comma.
- c. Immediately after the comma, enter the phone number of the person above using 10 characters followed by a comma.
- d. Immediately after the comma, enter the date when the data on the assignment was validated in 6 characters in the year, month, and day, and format.

Example: REM05 *POC,JOHN SMITH,7037801234,110627

*q. Orbital Information on Non-Geostationary Satellites (Transmitting and Receiving) (*ORB)*

For applications involving a single non-geostationary satellite or multiple non-geostationary satellites having similar orbital characteristics:

- a. Enter the identifying Code REMnn *ORB followed by a comma.

Section 9.8.2, 39 (Clean Text)

....

*p. Point of Contact (*POC)*

This field is required on all federal radio spectrum applications for use in United States and its possessions. This entry identifies the person and associated contact information that validated the assignment data is correct. The field is completed by entering the following data:

a. Enter the field code REMnn followed by a space. Following the space enter the code *POC followed by a comma.

b. Immediately after the comma, enter the name of the individual (not to exceed 17 characters) at the lowest level as designated by the agency followed by a comma.

c. Immediately after the comma, enter the phone number of the person above using 10 characters followed by a comma.

d. Immediately after the comma, enter the date when the data on the assignment was validated in 6 characters in the year, month, and day, and format.

Example: REM05 *POC,JOHN SMITH,7037801234,110627

*q. Orbital Information on Non-Geostationary Satellites (Transmitting and Receiving) (*ORB)*

For applications involving a single non-geostationary satellite or multiple non-geostationary satellites having similar orbital characteristics:

a. Enter the identifying Code REMnn *ORB followed by a comma.



MEMORANDUM FOR: Executive Secretary, IRAC

OCT 27 2011

FROM:

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Modification of Section 9.8.2, 39.u,
Part 2 (GMD) of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please reflect the following changes in the next revision of the manual.

Section 9.8.2, 39.u (*Edited Text*)

....

Part 2 – Agency Specific Function Identifiers with Description

....

GLOBAL RED--Used in support of the USAF Global HF Network secure email net.

Ground Missile Defense (GMD)--(~~Ground Missile Defense~~)--Communications used in supporting Anti-Terrorism Force Protection.

GOES (Geostationary Operational Environmental Satellites)--GOES is a series of meteorological geostationary orbiting satellites that provide weather prediction data for the Western Hemisphere and particularly for the U.S.

....

Section 9.8.2, 39.u (*Clean Text*)

....

Part 2 – Agency Specific Function Identifiers with Description

....

GLOBAL RED--Used in support of the USAF Global HF Network secure email net.

Ground Missile Defense (GMD)--Communications used in supporting Anti-Terrorism Force Protection.

GOES (Geostationary Operational Environmental Satellites)--GOES is a series of meteorological geostationary orbiting satellites that provide weather prediction data for the Western Hemisphere and particularly for the U.S.

....



UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

NOV - 1 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Addition of a New Special Note to
Part A.6 of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please add the new special note below to Part A.6 in the next revision of the manual.

A.6 Special Notes

S404--This assignment fulfills a requirement for NOAA Weather Radio Link UHF one-way single frequency operation.



UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

DEC 20 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Revision of Part L.3 of the NTIA
Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

L3 PROCEDURES FOR OBTAINING A FREQUENCY AUTHORIZATION (Edited)

.....

2. Users must submit a frequency proposal at least 90 days prior to the required date of use to the Frequency Manager Kwajalein Missile Range with an information copy to JFMO PAC, Honolulu, HI and the appropriate ~~MILDEP~~ MILDEP frequency management office (i.e. ~~AFEMAAFSMO~~, NAVEMSCENNMSC, ~~US Army CESOASMO~~) in the standard frequency action format (SFAF).

L3 PROCEDURES FOR OBTAINING A FREQUENCY AUTHORIZATION (Clean)

.....

2. Users must submit a frequency proposal at least 90 days prior to the required date of use to the Frequency Manager Kwajalein Missile Range with an information copy to JFMO PAC, Honolulu, HI and the appropriate MILDEP frequency management office (i.e. AFSMO, NMSC, ASMO) in the standard frequency action format (SFAF).



UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

DEC 20 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:

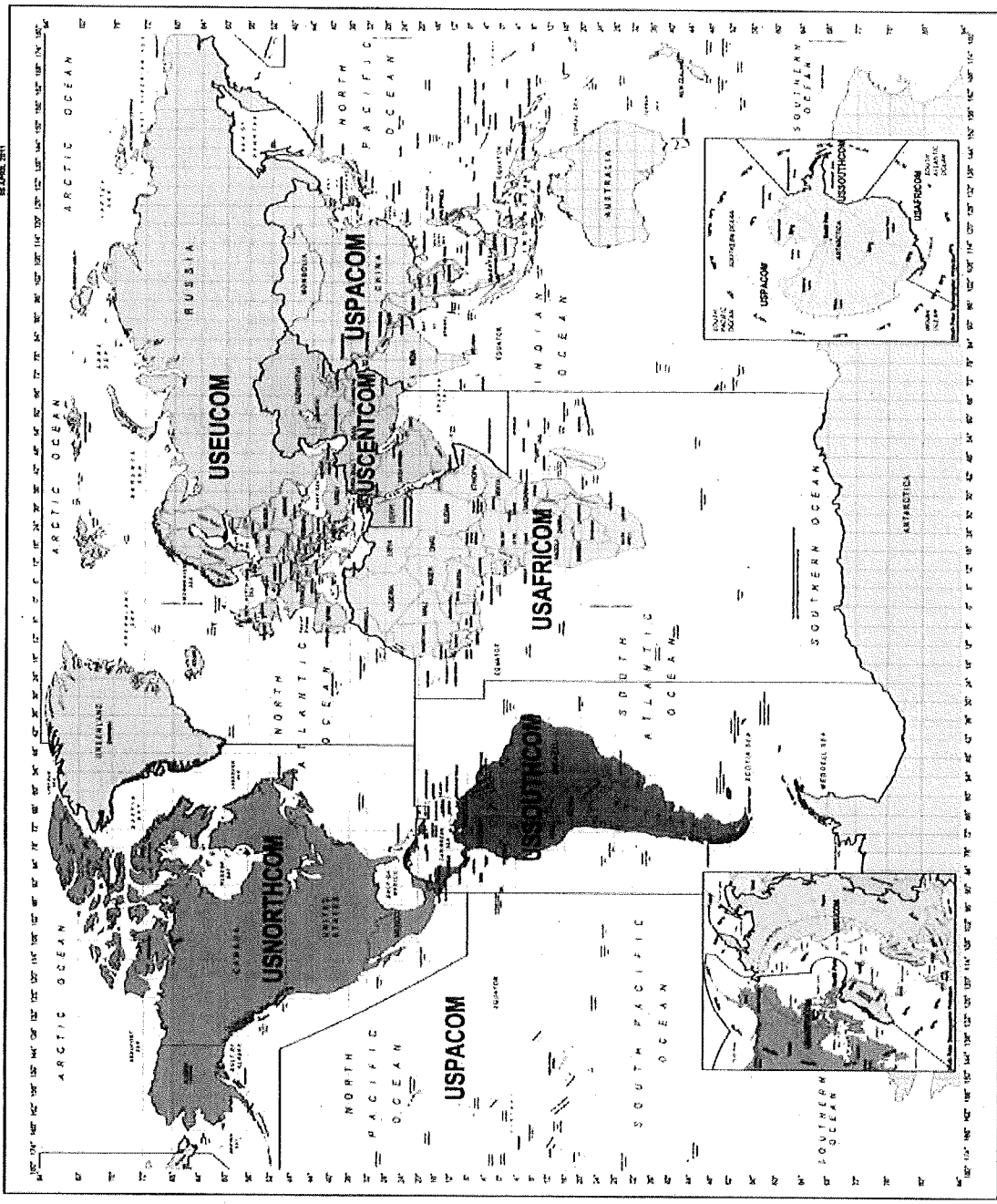
Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Modification of Figure 5 of Annex D
of the NTIA Manual.

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the attached updated image for "Figure 5 of Annex D "US Combatant Commands Areas of Responsibility" is reflected in the next revision of the manual.

THE WORLD WITH COMMANDERS' AREAS OF RESPONSIBILITY



USNORTHCOM
USCENTCOM
USAFRICOM
USPACOM
USEUCOM
USSOUTHCOM

1:60,000,000
MILITARY OPERATIONAL COLLECTION

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WWW.EFFECTIVE 24 APRIL 2011




UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

DEC 20 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:


Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Modification of Army Information
Contained in Part G.1 of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

G.1 Agency, Bureau, and Other Organizational Abbreviations (Edited)

Agency	Bureau	Abbreviation
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
	Satellite /Communications	SAT
	U.S. Army Pacific (does not includes Hawaii)	PA
	AFC, White Sands Missile Range	WS

G.1 Agency, Bureau, and Other Organizational Abbreviations (Clean Text)

Agency	Bureau	Abbreviation
Army, Department of the		AR
	AFMO CONUS	AC
	United States Army, Alaska	AK
	Army Spectrum Management Office	AR
	Corps of Engineers	CE
	Military District of Washington	DW
	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



UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

DEC 20 2011

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Addition and Modification of
Manufacturer Codes in Part G.5 of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

G.5 Manufacturer Codes


ABN Aruba Networks	SEP Shakespeare Electronics Product Group
ABS Airborne Systems North America	SPI SPIRENT
ADU Advanced Communications Systems Inc.	SSA Selex Sensors and Airborne Systems Corp.
ATN Aviat Networks	SSC Seaspace Corporation
BAT Ball Aerospace & Technologies Corp	TDR D Radar
BEA Becker Avionics	TKK Tekk Inc.
BIR Biral	VVT Vivo Tech
BIT Bit Systems Inc.	
CEN Colorado Engineering	
CLO Cielo Digital Radios	
CSD Cobham Surveillance Domo Products	
CTM Continental Microwave Tool & Co.	
DEC Decibel Products Inc.—dbSpectra Systems	
DII Digi International Inc.	
EXA Exalt Communications Inc.	
GAA Garrecht Avianik	
HAL Hali-Brite Inc	
LUM Lumistar	
MCN Morris Communications Inc.	
MIE Mitre Corporation	
MNE Mnemonics Inc.	
MTG Mustang Technology Group LP	
MWI Microwave Innovations	
OSL Orbital System LTD	
PCW Pacific Winds	
PTK PTEK Corporation	
RDL Redline Communications Inc.	
RSA Radwar SA	
SCX Sensor Concepts Inc.	



JAN 19 2012

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:


Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Deletion of Footnotes in Annex A of
the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following footnotes are removed from the next revision of the manual.

ANNEX A Record Notes

A.1 Coordination Notes

....

C024--This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.

~~**C026** Subject to prior coordination with DOE Frequency Coordinator for Albuquerque Operations Office; Telephone 575-3458, FTS or 702-295-3458, Commercial, or 575-3343, FTS, 702-295-3343, Commercial (weekends, holidays, and off-duty hours).~~

....

C062--DOE use of this frequency for telemetering is subject to prior coordination at the national level with agencies having assignments in the same band and will be subject, at the time of such coordination, to adjustment to preclude harmful interference.

~~**C064** All transmissions to NASA's ATS-3 satellite shall be coordinated and scheduled with the ATS Project Manager, Mail Stop 54-5, Glenn Research Center, Cleveland, OH 44135; Telephone 216-433-3483.~~

C065--Subject to coordination, prior to use, with the Department of the Interior, Bureau of Land Management, National Interagency Fire Center, Boise, ID; Telephone 208-387-5644.

....

A.3 Limitation Notes

....

L131--L2 nighttime

~~L168--L3 GCA or approach control~~

....

~~L177--L3 Federal Aviation Administration~~

....

L203--L3 U.S. Army Engineers

~~L242--L2 1300-2300 GMT~~

~~L255--L2 0200-0730 GMT~~

~~L256--L2 0200-0800 GMT and 1800-2300 GMT~~

....

L332--L2 2200-0300 GMT

~~L334--L2 0330-1830 GMT~~

~~L336--L2 1000-1700 GMT~~

~~L339--L2 1200-0300 GMT~~

....

A.6 Special Notes

....

S322--Stations established under the authority of this assignment shall conform to its technical particulars and shall be notified, as specified in Section 9.1.3 of the NTIA Manual, for inclusion in the list of Frequency Assignment to Federal Radio Stations.

~~S323--This assignment is for use in a system, or research and development looking toward such a system, for which funds have been committed for Stage 1 (Planning [conceptual]), as defined in Section 10.4.1 of the NTIA Manual prior to January 1, 1973. Follow-on stages in the system life cycle are subject to the provisions of Part 10.4 of the NTIA Manual.~~

S553--This assignment shall expire upon completion of Space Project Defense Meteorological Satellite Program Block 5.

~~S558--This assignment shall expire upon completion of the SAMSO 080-70 space project.~~

....

S621--This application supports a DOD space project.

~~S625--This assignment shall expire upon completion of the IUS space project.~~

....

S643--This assignment shall expire upon completion of Space Project DSCS Phase III.

~~S647--This assignment supports the NASA ERBS space program.~~

S651--This assignment supports the NASA Space Station space program.

~~S661--This assignment supports the Strategic Defense Initiative (SDI) Program.~~

....

S673--This assignment supports the NASA Space Program Cosmic Background Explorer (COBE) satellite.

~~S678--This frequency supports the AF/DOE ALEXIS space project.~~

....

S698--This assignment will expire upon completion of the Space Project NATO IV.

~~S700--This assignment supports the NASA SeaWIFS project on the SeaStar spacecraft.~~

....

S730--This assignment supports the NOAA K, L, and M Satellite System.

~~S731--This assignment supports the NASA Polar Plasma Laboratory Satellite System (POLAR).~~

S733--This assignment supports the EARTHWATCH Remote Sensing System.

S737--This assignment supports the Hughes Communications Galaxy, Inc. GALAXY VIII (I) satellite.

~~S739--This assignment supports the NASA Transition Region and Coronal Explorer Satellite System (TRACE).~~

~~S740--This assignment supports the NASA Wide-Field Infrared Explorer satellite (WIRE).~~

....

S767--This assignment supports the Orbview Space System.

~~S768--This assignment supports the NASA Microwave Anisotropy (MAP) Satellite System.~~

S769--This assignment is for a receive only earth station for the IRS-1D satellite.

S771--This assignment supports the NASA Quikscat Satellite System.

~~S772--This assignment supports the NASA Lyman Far Ultraviolet Spectroscopic Explorer (FUSE) Satellite System.~~

S775--This assignment supports the NASA Active Cavity Radiometer Irradiance Monitor Satellite System (ACRIMSAT).

~~S778--This assignment supports the NASA Stardust Satellite System.~~

S780--This assignment supports the NASA Earth Orbiter-1 (EO-1) Communications System.

~~S781--This assignment supports the NASA USA Genesis Communications System.~~

....

S850--This assignment supports the NASA Time History of Events and Macroscale Interactions during Substorms (THEMIS) Satellite Communications Systems.

~~S852--This assignment supports the FCC authorized ORBVIEW satellite.~~

S853--This assignment supports the FCC authorized Lockheed Martin-133W-RNSS satellite.

~~S854--This assignment supports the FCC authorized Lockheed Martin UFO 7 satellite.~~

....

S861--This assignment supports the FCC authorized non-geostationary ORBVIEW-5 satellites.

~~S862--This assignment supports the FCC authorized Galaxy 27 satellite (formerly Intelsat IA-7) at 129 WL.~~

~~S863--This assignment supports the FCC authorized INTELSAT IA-6 satellite.~~

....

S887--This assignment supports the NASA Fast Satellite (FASTSAT) System.

~~S888--This assignment supports the NASA Distress Alerting Satellite System.~~

....

S900--This assignment supports the NASA Global Precipitation Measurement (GPM) System.

~~S901--This assignment supports the FCC authorized SBS-6 at 74 WL.~~

S902--This assignment supports the FCC authorized Horizons-1 at 127 WL.

~~S903--This assignment supports of the FCC authorized Galaxy 28 (formerly Intelsat IA-8) at 89 WL.~~

....

S913--This assignment supports the NASA Space Program Solar Dynamics Observatory (SDO).

~~S914--This assignment supports the DOC National Oceanic & Atmospheric Administration N^o Satellite System (NOAA-N Prime).~~

S915--This assignment supports the NASA Landsat Data Continuity Mission (LDCM).




UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

FEB 6 2012

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:


Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT: NTIA Authorization for the Correction of the Reference to the Executive Order Addressing Classified National Security Information in Chapters 1, 8 and 9 of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Executive Order 13526 addresses classified national security information and replaced Executive Order 12958. Please ensure Executive Order 13526 is reflected in the next revision of the manual.

Edited Text

Section 1.3.2

....
Article IX - Personnel Security Clearances

Section 1 - Representatives, alternates and observers on the IRAC, its subcommittees and ad hoc groups, shall be cleared for access to SECRET information in accordance with standards established by Executive Order ~~12958~~, as amended 13526 (E.O. 13526). Their clearances shall be registered with NTIA's security officer.

Section 2 - Assistants, consultants, advisors, visitors or guests shall be sponsored by NTIA, a member or an observer and shall possess a security clearance equal to the classification of the information being considered. Such clearances will be in accordance with standards established by ~~Executive Order 12958~~ E.O. 13526, as amended. Their clearances shall be registered with NTIA's security officer.

....

Article X - Safeguarding Official Information

Security information is marked and handled in accordance with E.O. 13526 ~~Executive Order 12958~~, e.g., CONFIDENTIAL, SECRET, etc.

Chapter 8, Section 8.1.1

6. The Government Master File (GMF) will be updated weekly to reflect those frequency assignment actions agreed upon by the FAS and approved by the Deputy Associate Administrator, Office of Spectrum Management, NTIA, and, for electromagnetic compatibility analysis purposes, those Canadian assignments along the U.S./Canada border that have been coordinated with the U.S. Government frequency management community under the provisions of the U.S./Canada Coordination Agreement (see ~~Section Part~~ 3.4).

a. Upon request, the GMF data, including extracts or the entire GMF on CD-ROM, will be distributed by NTIA to ~~Federal Government~~ the federal agencies. However, since the GMF data is classified CONFIDENTIAL, it shall be distributed only in accordance with the provisions of Executive Order ~~12958~~ 13526.

9.4 SECURITY CLASSIFICATION OF APPLICATIONS

1. Classified applications forwarded to NTIA in printed form shall contain all of the security information markings specified for documents in Executive Order ~~12958-13526~~ (E.O. 12958) ~~of April 17, 1995~~ December 29, 2009. These markings shall be ~~done~~ applied as defined in ~~by the Office of Management & Budget's Information Security Oversight Office (ISOO) Directive No. 1~~ (32 CFR, Part 2001).

....

9.8.2 Application Data Requirements

....

6. CLA--Classification (1 Character--1 Occurrence)

a. This field is for the security classification of the assignment as determined in accordance with Executive Order ~~12958~~ of April 20, 1995 E.O. 13526.

b. Insert only one of the following codes in this field. ASSIGNMENTS ARE NEVER CLASSIFIED HIGHER THAN CONFIDENTIAL.

7. CDD -- Declassification Date (6 Characters - 1 Occurrence)

a. Complete this field for every application on which the CLA data field contains the letter C.

b. Enter the letters DE in the first two characters.

c. Beginning in character three,

(1) enter the year and month of the declassification date, in year and month (YYMM) order (The assignment will be automatically declassified on the last day of that month.). (If the declassification date has been extended beyond 10 years from the initial classification date, an entry is also required in the Circuit Remarks field *CLF); or,

(2) enter the letter X, immediately followed by one to three numbers, in numerical sequence, that correspond to the applicable exemption categories listed in E.O. ~~12958~~ 13526; or,

(3) enter 25X, immediately followed by a number that corresponds to the applicable exemption category listed in E.O. ~~12958~~ Section 1.6.d 13526 for those assignments that are exempt from the 25 year automatic declassification rule for permanently valuable information. (For all assignments not in the declassification exemption category 25X1, the date for

declassification shall be included in the Circuit Remarks field *CDE.); or,

(4) enter OADR for those assignments that are classified derivatively based on source documents for which the declassification instructions are marked "Originating Agency's Determination Required," or its acronym "OADR". An entry of OADR in this data field requires an entry in the Circuit Remarks field *CLF.

(5) enter DEVENT for those assignments that will be declassified after the occurrence of an event as specified in E.O. ~~42958~~13526. An entry of DEVENT in this data field requires an entry in the Circuit Remarks field *DIC.

*y. Name, or Personal Identifier and Position, of Original Classification Authority (*CLA).*

(1) This field is used to identify, by name, or by personal identifier and position, the original classification authority for classified data. This entry shall be included for all classified applications for which the classification was originally applied by the applicant and was not determined from derivative methods. This entry shall include all data in a single occurrence.

(2) Enter the field code REMnn followed by a space. Following the space, enter the code *CLA followed by a comma. Immediately after the comma, enter the name, or personal identifier and position, of the original classification authority, or the statement EXCLUDED, 1.7.B if entry of this information falls under the exclusion provision of E.O. ~~42958~~, Section ~~1.7.(b)~~13526.

....

*aa. Reason for Classification (*CLR).*

(1) This field is used to cite the category, or categories, of E.O. ~~42958~~, Section ~~1.5~~13526, that the original classification authority determined to be the reason(s) frequency assignment data in the assignment must be classified. This entry shall be included in all classified applications, except those classified derivatively, for which entry is optional. If this entry is used, all data shall be entered in a single occurrence.

(2) Enter the field code REMnn followed by a space. Following the space, enter the code *CLR followed by a comma. Immediately after the comma, enter the code 1.5, followed immediately by one, some or all of the letters a, b, c, d, e, f or g, to re-present the classification categories listed in E.O. ~~42958~~, Section ~~1.5~~13526. If more than one category letter is entered, enter the letters in alphabetical order.

Clean Text

Section 1.3.2

....

Article IX - Personnel Security Clearances

Section 1 - Representatives, alternates and observers on the IRAC, its subcommittees and ad hoc groups, shall be cleared for access to SECRET information in accordance with standards established by Executive Order 13526 (E.O. 13526). Their clearances shall be registered with NTIA's security officer.

Section 2 - Assistants, consultants, advisors, visitors or guests shall be sponsored by NTIA, a member or an observer and shall possess a security clearance equal to the classification of the information being considered. Such clearances will be in accordance with standards established by E.O. 13526. Their clearances shall be registered with NTIA's security officer.

....

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Security information is marked and handled in accordance with E.O. 13526, e.g., CONFIDENTIAL, SECRET, etc.

Chapter 8, Section 8.1.1

6. The Government Master File (GMF) will be updated weekly to reflect those frequency assignment actions agreed upon by the FAS and approved by the Deputy Associate Administrator, Office of Spectrum Management, NTIA, and, for electromagnetic compatibility analysis purposes, those Canadian assignments along the U.S./Canada border that have been coordinated with the U.S. Government frequency management community under the provisions of the U.S./Canada Coordination Agreement (see Part 3.4).

a. Upon request, the GMF data, including extracts or the entire GMF on CD-ROM, will be distributed by NTIA to the federal agencies. However, since the GMF data is classified CONFIDENTIAL, it shall be distributed only in accordance with the provisions of Executive Order 13526.

9.4 SECURITY CLASSIFICATION OF APPLICATIONS

1. Classified applications forwarded to NTIA in printed form shall contain all of the security information markings specified for documents in Executive Order 13526, December 29, 2009. These markings shall be applied as defined by 32 CFR, Part 2001.

....

9.8.2 Application Data Requirements

....

6. CLA--Classification (1 Character--1 Occurrence)

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a. Complete this field for every application on which the CLA data field contains the letter C.

b. Enter the letters DE in the first two characters.

c. Beginning in character three,

(1) enter the year and month of the declassification date, in year and month (YYMM) order (The assignment will be automatically declassified on the last day of that month.). (If the declassification date has been extended beyond 10 years from the initial classification date, an entry is also required in the Circuit Remarks field *CLF); or,

(2) enter the letter X, immediately followed by from one to three numbers, in numerical sequence, that correspond to the applicable exemption categories listed in E.O. 13526; or,

(3) enter 25X, immediately followed by a number that corresponds to the applicable exemption category listed in E.O. 13526 for those assignments that are exempt from the 25 year automatic declassification rule for permanently valuable information. (For all assignments not in the declassification exemption category 25X1, the date for declassification shall be included in the Circuit Remarks field *CDE.); or,

(4) enter OADR for those assignments that are classified derivatively based on source documents for which the declassification instructions are marked "Originating Agency's Determination Required," or its acronym "OADR". An entry of OADR in this data field requires an entry in the Circuit Remarks field *CLF.

(5) enter DEVENT for those assignments that will be declassified after the occurrence of an event as specified in E.O. 13526. An entry of DEVENT in this data field requires an entry in the Circuit Remarks field *DIC.

*y. Name, or Personal Identifier and Position, of Original Classification Authority (*CLA).*

(1) This field is used to identify, by name, or by personal identifier and position, the original classification authority for classified data. This entry shall be included for all classified applications for which the classification was originally applied by the applicant and was not determined from derivative methods. This entry shall include all data in a single occurrence.

(2) Enter the field code REMnn followed by a space. Following the space, enter the code *CLA followed by a comma. Immediately after the comma, enter the name, or personal identifier and position, of the original classification authority, or the statement EXCLUDED, 1.7.B if entry of this information falls under the exclusion provision of E.O. 13526.

....

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(1) This field is used to cite the category, or categories, of E.O. 13526, that the original classification authority determined to be the reason(s) frequency assignment data in the assignment must be classified. This entry shall be included in all classified applications, except those classified derivatively, for which entry is optional. If this entry is used, all data shall be entered in a single occurrence.

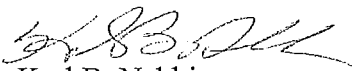
(2) Enter the field code REMnn followed by a space. Following the space, enter the code *CLR followed by a comma. Immediately after the comma, enter the code 1.5, followed immediately by one, some or all of the letters a, b, c, d, e, f or g, to represent the classification categories listed in E.O. 13526. If more than one category letter is entered, enter the letters in alphabetical order.



UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

FEB 16 2012

MEMORANDUM FOR: Executive Secretary, IRAC

FROM: 
Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT: NTIA Authorization for the Modification of Chapter 11 of the
NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

Edited Text:

Chapter 11

Public Access to the Federal Spectrum Management Process

11.1 PREFACE

This Chapter sets forth policies and general guidance for the public to provide advice or information to National Telecommunications and Information Administration (NTIA) regarding spectrum management issues and to obtain information regarding NTIA activity and federal use of the radio spectrum. Sections 104(a) and (b) of the National Telecommunications and Information Administration Organization Act (Act), P.L. 102-538, codified at 47 U.S.C. 903 direct the Secretary of Commerce and NTIA to improve federal spectrum management activities by (1) providing for a period at the beginning of each meeting of the Interdepartment Radio Advisory Committee to be open to the public to make presentations and receive advice, and provide the public with other meaningful opportunities to make presentations and receive advice; (2) publishing major spectrum management policy proposals that are not classified and that involve spectrum management, with adequate opportunity for public review and comment; (3) publishing major policy decisions that are not classified and that involve spectrum management; (4) making available nonclassified spectrum management information to the public, including access to electronic databases; and (5) providing prompt and impartial consideration of requests for access to federal spectrum by the public, including disclosure of the status and ultimate disposition of any such request.

11.2 OPPORTUNITIES FOR THE PUBLIC TO PROVIDE INFORMATION AND ADVICE TO NTIA

The public may at any time provide advice or information to NTIA staff regarding spectrum management issues. Contact information is provided at NTIA's website www.ntia.doc.gov.

11.3 INFORMATION REGARDING NTIA SPECTRUM MANAGEMENT ACTIVITIES

Information regarding NTIA spectrum management activities may be found at NTIA's website www.ntia.doc.gov under "Spectrum Management".

11.4 PUBLIC PRESENTATIONS TO OR RECEIVING ADVICE FROM THE IRAC

Members of the public who would like to make a presentation to or receive advice from the IRAC should contact the IRAC Chairperson, the Deputy Associate Administrator for Domestic Spectrum Management at least two weeks before the intended IRAC meeting. If the Chairperson deems the subject to be in accordance with the guidance below, the IRAC Executive Secretary will place the item on an appropriate IRAC agenda. A period of up to twenty minutes will normally be provided for any presentation with additional time for responses from the IRAC.

Members of the public who are preparing presentations to the IRAC should consider the following: (1) the IRAC serves in an advisory capacity to NTIA and the Assistant Secretary for Communications and Information relative to spectrum issues and is not the Executive Branch decision body on spectrum management issues; (2) the member-agency representatives manage, or coordinate, spectrum use by diverse types of radiocommunications facilities and services in their respective agencies; (3) some of these services are obtained from federal-owned facilities and some are obtained from privately-owned facilities; and (4) the member-agency representatives generally do not award grants or contracts for radio facilities or services of their respective agencies; (5) the IRAC awards neither grants nor contracts of any kind. Presentations to the IRAC by the public may include the following:

1. Descriptions of developing technologies or innovative applications of existing technologies that are relevant to radio frequency spectrum management or usage.
2. Proposals for new radiocommunication services or improved approaches for spectrum management.
3. Comments on spectrum issues currently being addressed by the IRAC.

Information provided by the public during the open portions of IRAC meetings shall have no distribution restrictions.

When plans have been made for members of the public to make a presentation to or receive advice from the IRAC, an announcement shall be placed on the NTIA website at <http://www.ntia.doc.gov/osmhome/irac.html>. This announcement shall (1) define the subject to be addressed; (2) indicate the scheduled date and place for the presentation; (3) provide a brief summary of the scheduled presentation; and (4) identify an individual who can answer detailed questions regarding the scheduled presentation and access procedures.

Members of the public desiring to attend a scheduled open portion of an IRAC meeting should contact the IRAC Secretariat in advance of the meeting date to ensure that adequate seating and security escort can be made available for the meeting. During the open portions of IRAC

meetings, questions and comments by members of the public on presentations by others should be addressed to the Chairman of the IRAC.

11.5 REQUESTING FEDERAL GOVERNMENT SPECTRUM MANAGEMENT INFORMATION

A large amount of information related to federal spectrum management is available on NTIA's website at www.ntia.doc.gov. For example, the website includes the Manual of Regulations and Procedures for Federal Radio Frequency Management (NTIA Manual)~~NTIA Manual of Spectrum Rules and Regulations~~, the U.S. Frequency Allocation Chart, spectrum studies and reports, and NTIA's spectrum filings before the Federal Communications Commission. ~~For hard copies of documents not available electronically on NTIA's website, please contact NTIA's Office of Public Affairs.~~Information not available on the website may be available through a Freedom of Information Act request.

A Freedom of Information Act (FOIA) request to NTIA, U.S. Department of Commerce, should include the following:

The request must be in writing and can be submitted by mail, e-mail, or fax. A statement that the request is being made under the Freedom of Information Act must be included in your letter. Mark the envelope "Freedom of Information Act Request." If you are making your request by e-mail, please include a mailing address. Please also include a daytime telephone number should we need to contact you for clarification.

Send your request to:

FOIA Officer
National Telecommunications and Information Administration
U.S. Department of Commerce
1401 Constitution Avenue, N.W., Room 4713
Washington, DC 20230

E-mail address: cFOIA@ntia.doc.gov
Fax number: (202) 501-8013
Telephone Number: (202) 482-1816

~~Of course, information not available on the website may be available through a Freedom of Information Act request. Such a request must be in writing and can be submitted by mail, e-mail, or fax to the National Telecommunications and Information Administration, U.S. Department of Commerce. The request must include a statement that the request is being made under the Freedom of Information Act. Please mark the envelope "Freedom of Information Act Request." If you are making your request by e-mail, please include a mailing address. Please also include a daytime telephone number should we need to contact you for clarification. Send your request to:~~

~~FOIA Officer National Telecommunications and Information Administration
U.S. Department of Commerce~~

~~14th Street and Constitution Avenue, N.W.
Room 4713 Washington, DC 20230
E-mail address: FOIA@ntia.doc.gov
Fax number: 202-501-8013
Telephone Number: 202-482-1816~~

Please describe as best as possible the NTIA records you are requesting. In your description, please include information regarding the subject matter, date, and any other information you feel will assist us in our search for the records.

11.6 REQUESTING ACCESS TO SPECTRUM ALLOCATED FOR FEDERAL GOVERNMENT USE

~~NTIA shall provide prompt and impartial consideration to all public requests for access to those portions of the spectrum that are allocated for Federal-federal Government use.~~

~~All requests for use of spectrum that is allocated on an exclusive basis for federal government use or on a shared basis for federal and non-federal use are submitted to the FCC as the regulator of non-federal use of the radio spectrum. Such requests are coordinated with NTIA, with assistance from the IRAC FAS, to determine the likely impact on the-Federal Government's federal existing and planned spectrum use. The FCC informs the requester of the results of this coordination.~~

~~When the public desires to seek NTIA consideration of a proposal for reallocation of spectrum, requests should be submitted in writing to the Deputy Associate Administrator of Domestic Spectrum Management.~~

~~The requests should, as appropriate, include the following information:~~

- ~~1. The radio frequency band or bands affected;~~
- ~~2. The reasons why the requirement for radio frequency spectrum use cannot be accommodated within spectrum allocated for non-Federal-federal use;~~
- ~~3. The likely impact on the radiocommunication services currently using the spectrum;~~
- ~~4. The radiocommunication service proposed and a functional description, including technical parameters;~~
- ~~5. The geographic area to be served by the proposed radiocommunication service;~~
- ~~6. The planned schedule for implementing the proposed radiocommunication service;~~
- ~~7. A description of the actions by the FCC on the request; and~~
- ~~8. The name, address, telephone number, and facsimile number of the individual who can be contacted for more information regarding the request.~~

~~Upon receipt of such a request, the Deputy Associate Administrator for Domestic Spectrum Management shall notify the FCC of the request and shall advise the FCC of any preliminary conclusions. All allocations for non-federal use are provided through the FCC. The request and any NTIA response to the requester shall be made available to the public via the NTIA website.~~

11.7 PUBLICATION OF MAJOR FEDERAL SPECTRUM MANAGEMENT PROPOSALS AND DECISIONS

~~All major nonclassified policy proposals and decisions involving Federal-federal spectrum management shall be published in the Federal Register. When policy proposals are published, specific procedures shall be included for the public to submit comments to NTIA. In addition to~~

publishing major policy proposals and decisions in the Federal Register, summaries of current Federal ~~federal~~ spectrum management activities that are of general interest shall be made available to the public through the NTIA website.

Clean Text

Chapter 11

Public Access to the Federal Spectrum Management Process

11.1 PREFACE

This Chapter sets forth policies and general guidance for the public to provide advice or information to National Telecommunications and Information Administration (NTIA) regarding spectrum management issues and to obtain information regarding NTIA activity and federal use of the radio spectrum. Sections 104(a) and (b) of the National Telecommunications and Information Administration Organization Act (Act), P.L. 102-538, codified at 47 U.S.C. 903 direct the Secretary of Commerce and NTIA to improve federal spectrum management activities by (1) providing for a period at the beginning of each meeting of the Interdepartment Radio Advisory Committee to be open to the public to make presentations and receive advice, and provide the public with other meaningful opportunities to make presentations and receive advice; (2) publishing major spectrum management policy proposals that are not classified and that involve spectrum management, with adequate opportunity for public review and comment; (3) publishing major policy decisions that are not classified and that involve spectrum management; (4) making available nonclassified spectrum management information to the public, including access to electronic databases; and (5) providing prompt and impartial consideration of requests for access to federal spectrum by the public, including disclosure of the status and ultimate disposition of any such request.

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will place the item on an appropriate IRAC agenda. A period of up to twenty minutes will normally be provided for any presentation with additional time for responses from the IRAC.

Members of the public who are preparing presentations to the IRAC should consider the following: (1) the IRAC serves in an advisory capacity to NTIA and the Assistant Secretary for Communications and Information relative to spectrum issues and is not the Executive Branch decision body on spectrum management issues; (2) the member-agency representatives manage, or coordinate, spectrum use by diverse types of radiocommunications facilities and services in their respective agencies; (3) some of these services are obtained from federal-owned facilities and some are obtained from privately-owned facilities; and (4) the member-agency representatives generally do not award grants or contracts for radio facilities or services of their respective agencies; (5) the IRAC awards neither grants nor contracts of any kind. Presentations to the IRAC by the public may include the following:

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Information provided by the public during the open portions of IRAC meetings shall have no distribution restrictions.

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FOIA Officer
National Telecommunications and Information Administration
U.S. Department of Commerce
1401 Constitution Avenue, N.W., Room 4713
Washington, DC 20230

E-mail address: eFOIA@ntia.doc.gov
Fax number: (202) 501-8013
Telephone Number: (202) 482-1816

Please describe as best as possible the NTIA records you are requesting. In your description, please include information regarding the subject matter, date, and any other information you feel will assist us in our search for the records.

11.6 REQUESTING ACCESS TO SPECTRUM ALLOCATED FOR FEDERAL GOVERNMENT USE

NTIA shall provide prompt and impartial consideration to all public requests for access to those portions of the spectrum that are allocated for federal use.

All requests for use of spectrum that is allocated on an exclusive basis for federal use or on a shared basis for federal and non-federal use are submitted to the FCC as the regulator of non-federal use of the radio spectrum. Such requests are coordinated with NTIA, with assistance from the IRAC FAS, to determine the likely impact on the federal existing and planned spectrum use. The FCC informs the requester of the results of this coordination.

When the public desires to seek NTIA consideration of a proposal for reallocation of spectrum, requests should be submitted in writing to the Deputy Associate Administrator of Domestic Spectrum Management.

The requests should, as appropriate, include the following information:

1. The radio frequency band or bands affected;
2. The reasons why the requirement for radio frequency spectrum use cannot be accommodated within spectrum allocated for non-federal use;
3. The likely impact on the radiocommunication services currently using the spectrum;
4. The radiocommunication service proposed and a functional description, including technical parameters;
5. The geographic area to be served by the proposed radiocommunication service;
6. The planned schedule for implementing the proposed radiocommunication service;
7. A description of the actions by the FCC on the request; and
8. The name, address, telephone number, and facsimile number of the individual who can be contacted for more information regarding the request.

Upon receipt of such a request, the Deputy Associate Administrator for Domestic Spectrum Management shall notify the FCC of the request and shall advise the FCC of any preliminary

conclusions. All allocations for non-federal use are provided through the FCC. The request and any NTIA response to the requester shall be made available to the public via the NTIA website.

11.7 PUBLICATION OF MAJOR FEDERAL SPECTRUM MANAGEMENT PROPOSALS AND DECISIONS

All major nonclassified policy proposals and decisions involving federal spectrum management shall be published in the Federal Register. When policy proposals are published, specific procedures shall be included for the public to submit comments to NTIA. In addition to publishing major policy proposals and decisions in the Federal Register, summaries of current federal spectrum management activities that are of general interest shall be made available to the public through the NTIA website.




UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

FEB 24 2012

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:


Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT: NTIA Authorization for the Addition of New Text to Annex F of
the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following text is reflected in the next revision of the manual.

F.1 FREQUENCY ASSIGNMENT REVIEW PROCEDURE (*Edited Text*)

....

2. During the review the agency concerned will determine for each frequency assignment:
- Whether the assignment is essential to meet the agency's requirements; and,
 - if so, whether other existing assignments will meet the requirements; and,
 - if not, whether the justification for and description of the assignment under review, are still accurate; and,
 - if so, whether the assignment is completely up to date;
 - Each federal agency will maintain the contact information of the person who validated that the radio frequency is still in use. This information will include their name and date of verification for each 5 year or 10 year review and will be accessible to the FAS representative.

F.1 FREQUENCY ASSIGNMENT REVIEW PROCEDURE (*Clean Text*)

....

2. During the review the agency concerned will determine for each frequency assignment:
- Whether the assignment is essential to meet the agency's requirements; and,
 - if so, whether other existing assignments will meet the requirements; and,
 - if not, whether the justification for and description of the assignment under review, are still accurate; and,
 - if so, whether the assignment is completely up to date;
 - Each federal agency will maintain the contact information of the person who validated that the radio frequency is still in use. This information will include their name and date of verification for each 5 year or 10 year review and will be accessible to the FAS representative.

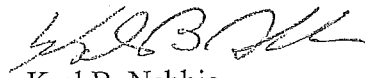


UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

MAR 9 2012

MEMORANDUM FOR: Executive Secretary, IRAC

FROM:


Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT:

NTIA Authorization for the Addition of Coordination Contour
Data for Finegayan, Guam in Section 8.3.15 of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the NTIA Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

TRANSMITTING EARTH STATIONS

BAND (MHz)	LOCATION	COORDINATES	NOMINAL COORDINATION DISTANCE* (KILOMETERS)	IRAC/SPS/FAS DOCUMENT	AGENCY/COUNTRY
2285-2290	Guam, Finegayan	133519NI445027E	700	39133/1	NASA

RECEIVING EARTH STATIONS

BAND (MHz)	LOCATION	COORDINATES	NOMINAL COORDINATION DISTANCE* (KILOMETERS)	IRAC/SPS/FAS DOCUMENT	AGENCY/COUNTRY
2103.4-2109.4	Guam, Finegayan	133519NI445027E	1225	39133/1	NASA

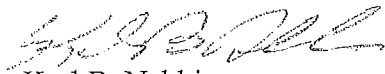
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UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and
Information Administration
Washington, D.C. 20230

MAR 16 2012

MEMORANDUM FOR: Executive Secretary, IRAC

FROM: 
Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

SUBJECT: NTIA Authorization for the Modification of Section 8.2.45, 8.3.12,
and 8.3.13 of the NTIA Manual

I concur with the recommendation of the IRAC and NTIA staff concerning the subject revision of the Manual of Regulations and Procedures for Federal Radio Frequency Management. Please ensure that the following changes are reflected in the next revision of the manual.

Redline Strikeout Text

8.2.45 Frequency Assignments to Mobile Stations in Certain Frequency Bands Shared with Passive Sensors

Remote sensing operations conducted in the Earth Exploration-Satellite Service (passive) and the Space Research Service (passive) can be disrupted if interference power level arriving at the sensor approaches the level of natural radiation being measured by the sensor. Mobile systems have the potential for creating an interference environment which could make sharing with passive sensors difficult. Therefore, although US263 provisions apply, agencies requesting frequency assignments for mobile stations operating with transmitter powers in excess of 2 watts will consider other mobile bands to meet the required operation before assignments are requested in the following bands:

21.2-21.4 GHz	50.2-50.4 GHz	174.5-176.5 GHz
22.21-22.5 GHz	54.2556.26-58.2 GHz	200-202 GHz
36-37 GHz	116-126 GHz	255-238 GHz
150-151 GHz		

8.3.12 Coordination of Assignments for Transmissions by Terrestrial Stations Located Within the Coordination Area of a Receiving Earth Station

1. General Provisions

a. Before an assignment to a terrestrial station is brought into use within the coordination area of a receiving earth station of another country utilizing the same band above 1 GHz allocated internationally with equal rights to terrestrial and space radiocommunication services

(space-to-Earth) and within the bands listed in 2 below, coordination must be effected with that country to ensure interference will not be caused to the receiving earth station. (See 9.18 of the RR).

b. Nationally, the ITU RR procedure for coordinating terrestrial stations also is followed to identify possible interference to receiving earth stations located within the United States and Possessions.

2. Frequency Bands

a. The coordination procedure specified in this Section applies in the following frequency bands:

1215-1260 MHz

1559-1610 MHz

1670-1710 MHz

2200-2300 MHz

3600-3650 MHz

4500-4635 MHz

4685-4800 MHz

5150-5216 MHz

7250-7750 MHz

8025-8500 MHz

15.43-15.63 GHz

25.50-27.00 GHz

37.00-38.00 GHz

84.71-84.74 GHz

102-105 GHz

134-142 GHz

149.158.5-164 GHz

190.191.8-200 GHz

234.232-241-235 GHz

252-265 GHz

8.3.13 Coordination of Assignments for Transmission or Reception by Earth Stations

1. General Provisions

a. Before an assignment to an earth station, whether for transmitting or receiving, is brought into use in a particular band allocated with equal rights to space and terrestrial radiocommunication services in the spectrum above 1 GHz and in the bands listed in 2a below, coordination must be effected with any country whose territory lies within the coordination area of the earth station to ensure that interference will not be caused to or by terrestrial stations. (See 9.17 of the RR). The coordination area is determined in accordance with Appendices 5 and 7 of the RR.

b. Before an assignment to an earth station, whether for transmitting or receiving, is brought into use in a particular band allocated with equal rights to space radiocommunication services in both directions of transmission and in the bands listed in 2b below, coordination must be effected with any country whose territory lies within the coordination area of the earth station or the earth station is located within the coordination area of a coordinated earth station to ensure that interference will not be caused to or by earth stations operating in the opposite direction of transmission. (See No. 9.17A of the RR.) The coordination area is determined based on Recommendations ITU-R IS.847, IS.848, and IS.849.

c. Nationally, the ITU RR procedure for coordinating earth stations also is followed to identify possible interference between such earth stations and terrestrial stations located within the United States and Possessions.

d. Coordination contours should be submitted to:

(1) The Spectrum Planning Subcommittee as part of the system review procedure outlined in Chapter 10, when submitting Notices of Frequency Assignment for earth stations for use in international coordination and registration activities.

(2) Subsequent to NTIA assignment approval the contours for all earth stations of the U.S. Federal Government or of foreign administrations when such contours both include territory of the U.S. and operate in bands used by U.S. Federal Government terrestrial stations shall be published in the NTIA Manual.

e. A computer program for the calculation of coordination areas, with respect to terrestrial stations, has been developed jointly by the NTIA, Department of Commerce, the Joint Spectrum Center (JSC), Defense Information Systems Agency and the Department of Defense. A personal computer based version of this computer program, developed by NTIA, is available on the Government Master File CD-Rom and may be used by federal agencies to comply with the provisions of this section. Agencies may request NTIA to furnish the service. The ITU Radiocommunication Bureau has also developed a PC based version of Appendix 7 which can be purchased from the ITU. Agencies that have earth stations that require international coordination should consider purchasing the ITU program since this program will be used to determine whether an administration has coordinated with all affected administrations. The ITU also has for sale a PC based version of Recommendation ITU-R IS.847.

2. Frequency Bands

a. (Earth Station/Terrestrial Station Coordination)

The coordination procedure specified in sub-paragraph 1a of this section applies in the following frequency bands:

1215-1260 MHz, 1559-1610 MHz, 1610-1626.5 MHz, 1675-1710 MHz, 1761-1842 MHz, 2025-2120 MHz, 2200-2300 MHz, 7125-7235 MHz, 7250-7750 MHz*, 7900-8500 MHz*, ~~3231.8-32.3 GHz, 34.2-34.7 GHz, 37-38 GHz, 39.5-40.0 GHz, 42.5-43.5 GHz, 45.5-47 GHz, 4744.2-50.2 GHz, 50.4-51.4 GHz, 66-71 GHz, 71-75.5-6 GHz, 81-84-86 GHz, 9295-100 GHz, 102-105123-130 GHz, 134-142 GHz, 149158.5-164 GHz, 167-174.5 GHz, 191.80-200 GHz, 202209-217-226 GHz, 231232-241-235 GHz, 238-240 GHz, 252-275 GHz~~

* Nationally, coordination contours are not required in the bands 7250-7300 MHz and 7900-8025 MHz.

b. (Earth Station/Earth Station Coordination)

The coordination procedure specified in sub-paragraph 1b of this Section applies in the following frequency bands:

8025-8400 MHz, 19.3-19.7 GHz, 25.5-27 GHz, 40-40.5 GHz, 45.5-47 GHz, 66-71 GHz, 95-100 GHz, ~~134-142 GHz, 190191.8-200 GHz, 238-240 GHz, 252-265 GHz~~

3. Specific Provisions

a. International coordination relating to earth stations will be initiated by the SSS outlined in Section 3.3.2.

b. Applications for frequency assignments to earth stations shall indicate the status of coordination with affected agencies and countries. Final assignment action shall not be taken by the FAS until national coordination has been accomplished, and international coordination initiated where it has been determined to be necessary.

c. The provisions of this Section are equally applicable to any proposed change in the technical characteristics of a currently authorized frequency assignment, for transmission or reception by an earth station, if the change increases the probability of harmful interference being caused to or by a terrestrial station or earth station, as appropriate.

Clean Version

8.2.45 Frequency Assignments to Mobile Stations in Certain Frequency Bands Shared with Passive Sensors

Remote sensing operations conducted in the Earth Exploration-Satellite Service (passive) and the Space Research Service (passive) can be disrupted if interference power level arriving at the sensor approaches the level of natural radiation being measured by the sensor. Mobile systems have the potential for creating an interference environment which could make sharing with passive sensors difficult. Therefore, although US263 provisions apply, agencies requesting frequency assignments for mobile stations operating with transmitter powers in excess of 2 watts will consider other mobile bands to meet the required operation before assignments are requested in the following bands:

- 21.20-21.4 GHz
- 22.21-22.5 GHz
- 36.00-37.0 GHz
- 56.26-58.2 GHz

8.3.12 Coordination of Assignments for Transmissions by Terrestrial Stations Located Within the Coordination Area of a Receiving Earth Station

1. General Provisions

a. Before an assignment to a terrestrial station is brought into use within the coordination area of a receiving earth station of another country utilizing the same band above 1 GHz allocated internationally with equal rights to terrestrial and space radiocommunication services (space-to-Earth) and within the bands listed in 2 below, coordination must be effected with that country to ensure interference will not be caused to the receiving earth station. (See 9.18 of the RR).

b. Nationally, the ITU RR procedure for coordinating terrestrial stations also is followed to identify possible interference to receiving earth stations located within the United States and Possessions.

2. Frequency Bands

a. The coordination procedure specified in this Section applies in the following frequency bands:

1215-1260 MHz	4500-4635 MHz	15.43-15.63 GHz	134.0-142.0 GHz
1559-1610 MHz	4685-4800 MHz	25.50-27.00 GHz	158.5-164.0 GHz
1670-1710 MHz	5150-5216 MHz	37.00-38.00 GHz	191.8-200.0 GHz
2200-2300 MHz	7250-7750 MHz	71.00-74.00 GHz	232.0-235.0 GHz
3600-3650 MHz	8025-8500 MHz	102.0-105.0 GHz	

8.3.13 Coordination of Assignments for Transmission or Reception by Earth Stations

1. General Provisions

a. Before an assignment to an earth station, whether for transmitting or receiving, is brought into use in a particular band allocated with equal rights to space and terrestrial radiocommunication services in the spectrum above 1 GHz and in the bands listed in 2a below, coordination must be effected with any country whose territory lies within the coordination area of the earth station to ensure that interference will not be caused to or by terrestrial stations. (See 9.17 of the RR). The coordination area is determined in accordance with Appendices 5 and 7 of the RR.

b. Before an assignment to an earth station, whether for transmitting or receiving, is brought into use in a particular band allocated with equal rights to space radiocommunication services in both directions of transmission and in the bands listed in 2b below, coordination must be effected with any country whose territory lies within the coordination area of the earth station or the earth station is located within the coordination area of a coordinated earth station to ensure that interference will not be caused to or by earth stations operating in the opposite direction of transmission. (See No. 9.17A of the RR.) The coordination area is determined based on Recommendations ITU-R IS.847, IS.848, and IS.849.

c. Nationally, the ITU RR procedure for coordinating earth stations also is followed to identify possible interference between such earth stations and terrestrial stations located within the United States and Possessions.

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(1) The Spectrum Planning Subcommittee as part of the system review procedure outlined in Chapter 10, when submitting Notices of Frequency Assignment for earth stations for use in international coordination and registration activities.

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2. Frequency Bands

a. (Earth Station/Terrestrial Station Coordination)

The coordination procedure specified in sub-paragraph 1a of this section applies in the following frequency bands:

1215-1260 MHz	31.8-32.3 GHz	81-86 GHz
1559-1610 MHz	34.2-34.7 GHz	95-100 GHz
1610-1626.5 MHz	37.0-38.0 GHz	123-130 GHz
1675-1710 MHz	39.5-40.0 GHz	158.5-164 GHz
1761-1842 MHz	42.5-43.5 GHz	167-174.5 GHz
2025-2120 MHz	45.5-47 GHz	191.8-200 GHz
2200-2300 MHz	44.2-50.2 GHz	209-226 GHz
7125-7235 MHz	50.4-51.4 GHz	232-235 GHz
7250-7750 MHz*	66-71 GHz	238-240 GHz
7900-8500 MHz*	71-76 GHz	252-275 GHz

** Nationally, coordination contours are not required in the bands 7250-7300 MHz and 7900-8025 MHz.*

b. (Earth Station/Earth Station Coordination)

The coordination procedure specified in sub-paragraph 1b of this Section applies in the following frequency bands:

8025-8400 MHz	40.0-40.5 GHz	191.8-200 GHz
19.3-19.7 GHz	45.5-47.0 GHz	238-240 GHz
25.5-27.0 GHz	66.0-71.0 GHz	252-265 GHz

3. Specific Provisions

a. International coordination relating to earth stations will be initiated by the SSS outlined in Section 3.3.2.

b. Applications for frequency assignments to earth stations shall indicate the status of coordination with affected agencies and countries. Final assignment action shall not be taken by the FAS until national coordination has been accomplished, and international coordination initiated where it has been determined to be necessary.

c. The provisions of this Section are equally applicable to any proposed change in the technical characteristics of a currently authorized frequency assignment, for transmission or reception by an earth station, if the change increases the probability of harmful interference being caused to or by a terrestrial station or earth station, as appropriate.