

THE FREQUENCY ASSIGNMENT SUBCOMMITTEE

Tom Woods

Deputy, Spectrum Services Division

202-482-2802

twood@ntia.doc.gov

OVERVIEW

- FREQUENCY ASSIGNMENT SUBCOMMITTEE
- FREQUENCY ASSIGNMENT PROCESS
- FREQUENCY ASSIGNMENT REQUESTS

U.S. Spectrum Management Regulatory Agencies

COMMUNICATIONS ACT OF 1934

NTIA

(On behalf of the President)

- Defense
- Law Enforcement & Security
- Transportation
- Resource Management Control
- Emergencies
- Other Services

FCC

- Business
- State & Local
- Entertainment
- Commercial
- Private

Interdepartment Radio Advisory Committee (IRAC)

19 Federal Departments/Agencies as Members
NTIA Chairs IRAC & Subcommittees

Frequency Assignment Subcommittee

- **Function:** Those basic functions of the IRAC “related to the assignment and coordination of radio frequencies and the development and execution of procedures therefore”
- **COMPOSITION:** 20 Agency Representatives
- **SUBSTRUCTURE:** AAG & MAG

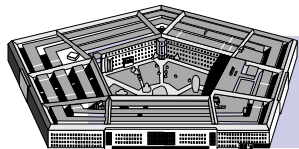
Membership

Chaired by NTIA

- Agriculture
- Air Force
- Army
- Broadcasting Board of Governors
- Coast Guard
- Commerce
- Energy
- Federal Aviation Administration
- Federal Communications Commission
- Transportation
- Homeland Security
- Interior
- Justice
- National Aeronautics and Space Administration
- National Science Foundation
- National Security Agency
- Navy
- Treasury
- U.S. Postal Service
- Veterans Affairs

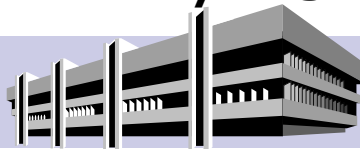
Frequency Application Process

Agency

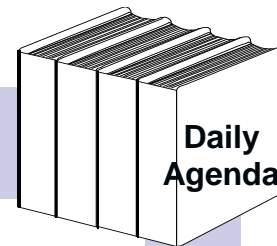


Agency prepares & sends application

NTIA/FAS



Daily: Receives, checks, & processes applications



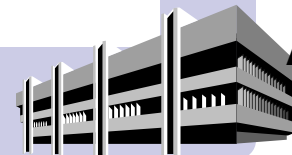
Daily
Agenda

NTIA/FAS



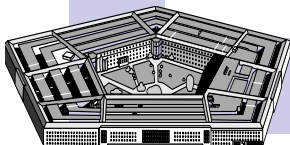
Daily: processes agenda votes, makes corrections to agenda, posts status

FAS Agencies

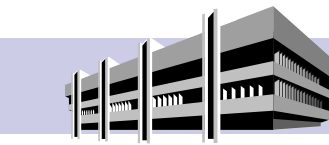


Reviews agendas, approves or tables

9 Working Days (minimum). Approved application sent & entered in GMF



Agency



Customer/Program
Office/Requestor

Frequency Assignment Authority

Frequency Application Process

Agencies

- Determine requirement
- Prepares applications
- Assesses compliance with rules and regulations
- Determines potential interference to & from other users
- Submits via Spectrum XXI, SIPRnet or DCFS
- Review & assess other agencies' frequency proposals

NTIA

- Processes applications vis FMRS (~720 checks and receives ~6K to 10K per month)
- Generates and distributes agendas
- Processes agency votes
- Maintains Government Master File

Agency Frequency Authorizations

➤ Justice	24,425	➤ TVA	1,449
➤ FAA	35,039	➤ Energy	7,346
➤ Army	31,869	➤ Commerce	6,503
➤ Air Force	32,045	➤ VA	2,310
➤ Navy	24,756	➤ Postal Service	3,127

Agency Frequency Authorizations

➤ Coast Guard	13,226	➤ NASA	2,328
➤ DHS	18,325	➤ Treasury	1,227
➤ Interior	14,815	➤ BBG	65
➤ Agriculture	14,570	➤ FCC	596
		➤ All Others	4,019

AERONAUTICAL ASSIGNMENT GROUP (AAG)

- ✦ Chaired by the FAA
- ✦ Responsible for engineering assignments and determining whether or not frequency proposals in the following bands should be approved by the NTIA:

AERONAUTICAL ASSIGNMENT GROUP

(continued)

190-285 kHz	123.5875-128.8125 MHz	1031-1087 MHz
285-435 kHz*	132.0125-137.0 MHz	1090 MHz
510-535 kHz*	328.6-335.4 MHz	1104-1146 MHz (inclusive)
74.8-75.2 MHz	978-1020 MHz (inclusive)	1157-1213 MHz (inclusive)
108-121.9375 MHz	1030 MHz	5000-5252 MHz

***Only for applications for stations in the Aeronautical Radionavigation Service**

MILITARY ASSIGNMENT GROUP (MAG)

- Chaired by the Department of the Air Force
- Responsible for determining whether or not frequency proposals in the following bands should be approved by the NTIA:

225.0-328.6 MHz

335.4-399.9 MHz

Frequency Allocation

- The process of dividing the total radio frequency spectrum into designated bands or blocks of frequencies for use by specified radio service(s)
- e.g., mobile, fixed, amateur, radionavigation, etc.

TABLE OF FREQUENCY ALLOCATIONS

International Table		
Region 1 Table	Region 2 Table	Region 3 Table
410-420 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-space) 5.268		
420-430 FIXED MOBILE except aeronautical mobile Radiolocation 5.269 5.270 5.271		
430-432 AMATEUR RADIOLOCATION 5.271 5.272 5.273 5.274 5.275 5.276 5.277	430-432 RADIOLOCATION Amateur 5.271 5.276 5.278 5.279	
432-438 AMATEUR RADIOLOCATION Earth exploration-satellite (active) 5.279A 5.138 5.271 5.272 5.276 5.277 5.280 5.281 5.282	432-438 RADIOLOCATION Amateur Earth exploration-satellite (active) 5.279A 5.271 5.276 5.277 5.279 5.281 5.282	

Table of Frequency Allocations (continued)

Table of Frequency Allocations 410-614 MHz (UHF)		
United States Table		FCC Rule Part(s) - Remarks
Federal Table	Non-Federal Table	
410-420 FIXED US13 MOBILE SPACE RESEARCH (space-to-space) 5.268 G5	410-420 US13	Private Land Mobile (90)
420-450 RADIOLOCATION US217 G2 G129 5.286 US7 US87 US230 US397 G8	420-450 Amateur US7 NG135 5282 5.286 US87 US217 US230 US397	Private Land Mobile (90) Amateur (97)
450-454 5.286 US87	450-454 LAND MOBILE 5.286 US87 NG112 NG124	Auxiliary Broadcasting (74) Private Land Mobile (90)
454-456	454-455 FIXED LAND MOBILE NG12 NG112 NG148	Public Mobile (22) Maritime (80)
	455-456 LAND MOBILE	Auxiliary Broadcasting (74)

Questions

