



# Frequency Assignment Subcommittee (FAS)



**USN/USMC  
Spectrum Management  
Conference  
March 01-05 2010**

**Distribution A: Approved for public release**

**Ms. Dru Pontius  
NMSC, FAS Representative  
Alexandria, VA**



| Report Documentation Page                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |                                     |                                                           | Form Approved<br>OMB No. 0704-0188                  |                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------|-----------------------------------------------------------|-----------------------------------------------------|---------------------------------|
| Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. |                                    |                                     |                                                           |                                                     |                                 |
| 1. REPORT DATE<br><b>MAR 2010</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    | 2. REPORT TYPE                      |                                                           | 3. DATES COVERED<br><b>00-00-2010 to 00-00-2010</b> |                                 |
| 4. TITLE AND SUBTITLE<br><b>Frequency Assignment Subcommittee (FAS)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                     |                                                           | 5a. CONTRACT NUMBER                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                     |                                                           | 5b. GRANT NUMBER                                    |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                     |                                                           | 5c. PROGRAM ELEMENT NUMBER                          |                                 |
| 6. AUTHOR(S)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                     |                                                           | 5d. PROJECT NUMBER                                  |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                     |                                                           | 5e. TASK NUMBER                                     |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                     |                                                           | 5f. WORK UNIT NUMBER                                |                                 |
| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)<br><b>Navy Cyber Forces,Navy and Marine Corps Spectrum Center,Norfolk,VA,23511</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |                                     |                                                           | 8. PERFORMING ORGANIZATION REPORT NUMBER            |                                 |
| 9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                     |                                                           | 10. SPONSOR/MONITOR'S ACRONYM(S)                    |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                     |                                                           | 11. SPONSOR/MONITOR'S REPORT NUMBER(S)              |                                 |
| 12. DISTRIBUTION/AVAILABILITY STATEMENT<br><b>Approved for public release; distribution unlimited</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |                                     |                                                           |                                                     |                                 |
| 13. SUPPLEMENTARY NOTES<br><b>31st Annual USN-USMC Spectrum Management Conference, 1-5 Mar 2010, San Diego, CA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |                                     |                                                           |                                                     |                                 |
| 14. ABSTRACT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                     |                                                           |                                                     |                                 |
| 15. SUBJECT TERMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                                     |                                                           |                                                     |                                 |
| 16. SECURITY CLASSIFICATION OF:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                     | 17. LIMITATION OF ABSTRACT<br><b>Same as Report (SAR)</b> | 18. NUMBER OF PAGES<br><b>15</b>                    | 19a. NAME OF RESPONSIBLE PERSON |
| a. REPORT<br><b>unclassified</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | b. ABSTRACT<br><b>unclassified</b> | c. THIS PAGE<br><b>unclassified</b> |                                                           |                                                     |                                 |



# Agenda



- **Frequency Application Process**
- **Frequency Application Issues**
- **Special Temporary Authorizations**
- **Five/Ten Year Frequency Assignment Reviews**
- **7.11 Experimental Stations Update**



# Frequency Application Process



- **Comply with Certification (NTIA manual 10.5.3)**
  - 1. The FAS shall not approve frequency assignments for systems that have not been certified.**
  - 2. Assignments shall conform to the system certification.**
  - 3. Frequency applications submitted to FAS prior to system review shall be tabled until system review procedure has been completed.**
  - 4. Additions/modifications to existing certifications must be submitted to SPS, assigned a SPS number and under preliminary review or approved by SPS prior to FAS processing frequency applications.**



# Frequency Application Process (cont)



- **Comply with Table of Frequency Allocation – NTIA Manual, chapter 4**
  - Care for emission and band edges
- **Comply with Channel Plans**
  - Supplement to NTIA Manual (August 2009)
    - 29.89 – 50 MHz
    - 162 – 174 MHz
    - 406.1 – 420 MHz
  - NTIA Manual, Chapter 4
    - 4 GHz
    - 14 – 15 GHz
    - 7/8 GHz when IRAC approved



# Frequency Application Process (cont)



## ➤ Comply with Channel Plans Cont

- Military Communications-Electronics Board (MCEB)  
Channel plans
  - 138 – 144 MHz & 148 – 150.1 MHz (01 January 2010)
  - 225 – 399.9 MHz
    - Must vacate HQ Navy (NMSC) channels
    - FAS approval required prior to sub-assignment from NMSC channels

**\*\* This includes all Spectrum XXI nominated frequencies**



# Frequency Application Issues



- **Simulators – Experimental STC only**
- **Can't have experimental STC & operational STC on same record**
- **XT/XD applications can be submitted for GMF temporary assignment**
- **Update GMF temp assignment with Renewal not a new proposal and submit at least 60 days prior to EXD**
  - **Change 141 date**
  - **Submit Renewals at least 60 days prior to expiration date**
- **Can't serial replace FRRS only record**
- **IRAC docs listed before SPS docs (501 line)**



# Frequency Application Issues (cont)



- **SCS classification outdated & declass as OADR**
    - Wrong classification
    - Program offices set declassification dates
  - **AFC/AFTRCC coordination must be obtained prior to submission to NMSC**
  - **Submit for discreet frequencies vice band assignment**
  - **Poor 520 comments – required to document purpose of assignment**
    - 511- 513 supporting
- Bad Example:**
511. OTHER OPERATIONS
512. EXERCISE
520. REQUEST THE BAND LISTED IN LINE 110
520. FOR TEST EXERCISE AT XXX TO SUPPORT



# Frequency Application Issues (cont)



- **Manufacturer code required when there is no nomenclature**
  - NTIA Manual, Annex G.5
  - Contact FAS when none assigned
- **Flight level**
  - AAG/MAG bands 118 – 136.475 MHz and 225 – 399.9 MHz document minimum and maximum altitude as:  
Ex: FLL=000,FLT=350 (503/\*AGN)
- **All other bands document maximum altitude as:**
  - Ex: M014,0500,AGL (50,000ft) (501/\*NTS)
  - Ex: M014,0500,MSL
- **Incomplete/Inaccurate Directives**



# Special Temporary Authorizations (STAs)



- **FAS currently reviewing draft change to STA policy (NTIA Manual, 8.3.31)**
  - **Change 180 days to 30 days or less**
  - **31 days or more to be submitted for NTIA agenda with 9 day vote**
    - **MC or N serial number (no "T")**
    - **144 = Y**
    - **Document SPS number**
  - **Applications can be moved up if backlog exists**
    - **NMSC is currently processing only STA requirements that do not exceed 30 days**



# Special Temporary Authorizations (STAs) (cont)

- **Base/Station FMOs/NMCSOs responsible for capturing requirements**
  - Ask questions until requirements are understood
  - Make 520 strong especially when high level requirement
  - Submit with adequate time for processing, at least 60 days prior to requirement start date
- **Must comply with certification**
  - Rejected applications mounting
  - Rejected applications should be corrected in Spectrum XXI not purged and re-imported



# Five/Ten Year Frequency Assignment Review



- **Work to complete assignment reviews on schedule per current CY.**
  - **Pull on revision date (RVD) of GMF assignment, (line 143)**
  
- **CY02 FAS agenda item 2151**
  - **Navy = 614**
  - **Marine Corps = 153**
  - **270 day extension expires 31March 2010. Assignments will be deleted by NTIA with a "cease and desist letter" to SECNAV**



# Five/Ten Year Frequency Assignment Review (cont)



- **CY03 FAS agenda item 2248**
  - **Navy = 950**
  - **Marine Corps = 18**
  - **Reviews to be completed by 30 December 2010**



## 7.11 Experimental Stations Update

- **Current authorized sites listed in NTIA Manual**
  - **One site, Poseidon Park, approved at IRAC but not signed by Chair – awaiting outcome of change to 7.11 paper submitted by FAS**
  - **Four additional, SESEF, sites are tabled at FAS**
    - **Calibrations don't meet 7.11 conditions – Navy to justify or withdraw submission or**
    - **Document remains Tabled until 7.11 paper/rules resolved at IRAC**
    - **Working with FCC to free up cease and desist on assignments at Fort Story (132)**
      - **Obtained FCC approval on (51)**
  - **Future submissions are held in abeyance until 7.11 issues are resolved**



# Quality Not Quantity



- **NMSC not responsible for correcting frequency applications**
  - Rejected applications mounting
  - Rejected applications should be corrected in Spectrum XXI not purged and re-imported
- **Work to produce high quality product**
  - Catch up with record reviews



# QUESTIONS ?

Ms. Dru Pontius  
FAS, NMSC  
(703) 325-2832  
DSN: 221-2832  
[dru.L.pontius@navy.mil](mailto:dru.L.pontius@navy.mil)

