

CECI-PID-IP

Regulation  
No. 25-1-111

14 May 2015

Information Management  
RADIO/SATELLITE TRANSMISSION SYSTEMS  
AND  
FREQUENCY MANAGEMENT POLICY

1. Purpose. This regulation establishes and implements policy and guidance for the governance of the U.S. Army Corps of Engineers (USACE) Transmission Systems (i.e. HF/VHF/UHF, microwave, satellite, etc.) and Frequency Management practices.
2. Applicability. This policy applies to all U.S. Army Corps of Engineers (United States and its Possessions (US&P)) elements. Sites minimally supported by ACE-IT are still required to abide by these policies since this regulation is based on DoD policies/ directives and Army regulations as defined. Systems and/or equipment requiring frequencies to operate must be coordinated with the Radio Systems Design Branch as described in section 6 (regardless of intended operations in federal or unlicensed frequency bands). Examples include: HF Single Sideband; VHF/UHF land mobile radios (LMR); maritime radio systems; Geostationary Operational Environmental Satellite (GOES) radios; wireless paging systems; frequency-dependent survey equipment; point-to-point microwave systems, Very Small Aperture Terminal (VSAT) satellite systems and services. All radio equipment operating primarily in federal bands requires adherence to federal rules and regulations for military, civil works, and emergency operations missions. Additionally, all long-haul satellite services (i.e. VSAT) are to be obtained from the Defense Information Systems Agency (DISA) via ACE-IT Radio Systems Design Branch.
3. Distribution Statement. This document is approved for public release. Distribution is unlimited.
4. References.
  - a. DoD Land Mobile Policy Memorandum. 3 Aug 01
  - b. JP 6-0, Joint Communications System, 10 June 2010. [http://www.dtic.mil/doctrine/new\\_pubs/jointpub\\_communications.htm](http://www.dtic.mil/doctrine/new_pubs/jointpub_communications.htm)
  - c. DoD Directive 4650.1, Policy and Procedures for Management and Use of the Electromagnetic Spectrum, 9 Jan 2009. <http://www.dtic.mil/whs/directives/corres/pdf/465001p.pdf>

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- d. DoD Directive 5100.35, Military Communications Electronics Board, 10 Mar 1998. <http://www.dtic.mil/whs/directives/corres/pdf/510035p.pdf> .
- e. AR 5-12, Army Use of the Electromagnetic Spectrum, 15 Feb 2013. [http://www.army.mil/usapa/epubs/pdf/r5\\_12.pdf](http://www.army.mil/usapa/epubs/pdf/r5_12.pdf).
- f. AR 25-13, Telecommunications and Unified Capabilities, 25 Mar 2013. [http://www.apd.army.mil/jw2/xmldemo/r25\\_13/main.asp](http://www.apd.army.mil/jw2/xmldemo/r25_13/main.asp).
- g. Manual of Regulations and Procedures for Federal Radio Frequency Management- (Redbook), May 2014 Revision of the May 2013 Edition. [www.ntia.doc.gov/osmhome/redbook/redbook.html](http://www.ntia.doc.gov/osmhome/redbook/redbook.html).
- h. Military Communications Electronics Board MCEB Pub 7, Standard Frequency Action Format (SFAF), 31 Dec 2003. <https://acc.dau.mil/adl/en-US/283278/file/43444/MCEB%20Pub%207.pdf> .
- i. Military Communications Electronics Board MCEB Pub 8, Standard Spectrum Resource Format (SSRF). <http://www.disa.mil/Services/Spectrum/Enterprise-Services/MCEB-Pub-8>.
- j. Military Communications Electronics Board Pub 1.
- k. USACE Campaign Plan FY13-18 (Goal 4: Prepare for Tomorrow).
- l. ER 1110-2-248 Engineering and Design Requirements for Water Data Transmission Using GOES/DCS, 13 Mar 1981. [http://www.publications.usace.army.mil/Portals/76/Publications/EngineerRegulations/ER\\_1110-2-248.pdf](http://www.publications.usace.army.mil/Portals/76/Publications/EngineerRegulations/ER_1110-2-248.pdf).
- m.. Asst. Sec. of Defense/NII DoD CIO Memorandum, Base and Long-Haul Telecommunications Equipment and Services, 10 May 07.

## 5. Introduction.

a. The ACE-IT Radio Systems Design Branch has the missions of coordinating, facilitating and processing of requisitions to obtain and maintain authorized radio frequency assignments through/from the appropriate authoritative federal agencies. Frequencies are approved and forwarded from the National Telecommunications and Information Administration (NTIA), part of the Department of Commerce, to the Army Spectrum Management Office (ASMO). Approved USACE frequency assignments are then managed by ACE-IT Radio Systems Design Branch and coordinated with the DoD's Joint Spectrum Center (JSC), the organization that has

oversight of Army frequency management activities. The JSC specifies the hardware/software and procedures for the transmittal, receipt and usage of radio frequency items. In addition, the Radio Systems Design Branch continuously collaborates with the ASMO and other federal, state and local agencies regarding frequency related matters.

b. All frequencies, radio/satellite equipment and associated service needs must be coordinated through the ACE-IT Radio Systems Design Branch. Members of this branch perform a wide range of wireless services with a single streamlined process. These services range from radio/satellite repair to major infrastructure improvement projects.

## 6. Policy.

a. This policy implements governance of IT systems discussed in Paragraph 2 above. It is effective immediately unless an exemption is obtained from the CIO's office.

b. All radio equipment will be P25 capable & JF12 compliant as mandated by the DoD Land Mobile Policy Memorandum, Dtd. 3 Aug 01 and AR 25-12, Army Use of the Electromagnetic Spectrum. The purpose for operation, whether military or civil, is irrelevant as the equipment will be operating primarily in federal bands and must adhere to the federal regulations. Since USACE is an Army Command, equipment purchased for the organization is part of the Army's inventory. Compliance is required regardless of the type of funds used to purchase the equipment. All Army-acquired equipment operating primarily in federal bands requires adherence to federal rules and regulations for military, civil works, and emergency operations missions.

c. Frequency authorizations are obtained through Army channels, not the Federal Communications Commission (FCC). Authorizations can only be given if the equipment is properly certified.

d. The P25-compliant radios ensure future compatibility with both digital and analog systems. There is a growing need to communicate with other agencies (i.e. local law enforcement, Homeland Security, FEMA, etc.). The P25 standard will support that compatibility requirement and also proactively align USACE for future NTIA digital compliance initiatives.

e. To allow for the appropriate engineering analysis/coordination and to obtain the necessary clearance for a new frequency assignment, frequency requests will be submitted to ACE-IT via an ACE-IT Enterprise Service Desk (ESD) ticket prior to the proposed operational date and prior to procurement of equipment. Based on AR 5-12, funds for the research, development, production, purchase, lease or use of frequency-dependent items will not be released by the obligating authority until supportability has been established. No frequency-dependent "off-the-shelf" or other non-developmental system shall be purchased or procured without this supportability determination. Supportability will be determined by ACE-IT Radio Systems Design Branch.

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f. In accordance with AR 25-13, Telecommunications and Unified Capabilities, all VSAT Services must be procured through DISA. Commercial wideband services are procured by DISA under a contract vehicle. All services and agencies are required to procure their long-haul communications services through DISA unless a waiver is granted by the Office of the Secretary of Defense (OSD). The only permitted method to obtain VSAT equipment and services is to open a ticket with the ACE-IT ESD. A Radio Systems Design Branch Subject Matter Expert (SME) will be assigned to coordinate the effort.

Other specialized radio systems are also required to adhere to these policies:

(1) Geostationary Operational Environmental Satellite (GOES): New requests for assignment of radio frequencies for operation of the GOES Data Collection Platforms (DCP) shall be submitted to ACE-IT Radio Systems Design Branch.

(2) Ship Radio Authorization (SRA) is a license authorizing vessels to use transmitting and receiving equipment aboard a ship for communications. This is required by international treaty. Maritime Mobile Service Identity (MMSI) is a series of 9 digits which are transmitted over the radio that uniquely identifies the ship's station. Requests and renewals of SRAs and MMSIs for Corps of Engineers vessels shall be submitted by the ACE-IT Radio Systems Design Branch. Upon deactivation or disposal of a land or vessel station, a request for cancellation of the SRA and MMSI must be submitted to ACE-IT Radio Systems Design Branch for upward processing.

g. No other IT solutions and/or services or changes to any part of its architecture will be authorized unless a waiver from the CIO's office has been granted.

h. Exemptions/waivers to portions of this policy can be granted by the office of the CIO. A complete business case is required to request an exemption. For frequency management and radio/satellite systems information please contact CEIT-EDT-R Chief, [gregory.s.formosa@usace.army.mil](mailto:gregory.s.formosa@usace.army.mil) (412) 395-7410. For policy guidance please, contact the CEIT-PMP, Project Manager, [janice.m.dewitt@usace.army.mil](mailto:janice.m.dewitt@usace.army.mil) (412) 395-7411.

FOR THE COMMANDER:



MICHAEL D. PELOQUIN  
COL, EN  
Chief of Staff

Appendix A - List of Acronyms

## APPENDIX A

### List of Acronyms

ACE-IT	Army Corps of Engineers Information Technology
AR	Army Regulation
ASMO	Army Spectrum Management Office
CIO	Chief Information Officer
DCP	Data Collection Platforms
DISA	Defense Information Systems Agency
DoD	Department of Defense
ER	Engineering Regulation
ESD	Enterprise Service Desk
FCC	Federal Communications Commission
FEMA	Federal Emergency Management Agency
GOES	Geostationary Operational Environmental Satellite
ITPM	Information Technology Project Manager
JSC	Joint Spectrum Center
LMR	Land Mobile Radio
MCEB	Military Communications-Electronics Board
MMSI	Maritime Mobile Service Identity
NTIA	National Telecommunications and Information Administration
OMB	Office of Management and Budget
OSD	Office of the Secretary of Defense
RF	Radio Systems and Frequency Management
SME	Subject Matter Expert
SRA	Ship Radio Authorization
VSA	Very Small Aperture Terminal
USACE	United States Army Corps of Engineers
US&P	United States and its Possessions

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