



AIR COMBAT COMMAND

PEOPLE FIRST - MISSION ALWAYS

ACC ELECTROMAGNETIC SPECTRUM OPERATIONS

Current as of February 07, 2023

MISSION

Enable dominant combat airpower by assuring spectrum access across all domains.

FEATURES

Supports/defends ACC's radio frequency requirements from 3 kHz to 300 GHz

BACKGROUND

ACC Electromagnetic Spectrum Operations are a joint effort of the A3 and A6 Directorate. All spectrum dependent equipment must have a valid certification prior to funding obligation and a valid frequency license prior to equipment operation. The branch will guide customers to ensure radio frequency spectrum guidelines are met. Spectrum Superiority must be factored into all operate, train, and equip (OT&E) efforts with adequate numbers of Electromagnetic Warfare (EW) operators and planners trained correctly and equipped to ensure the Air Force can meet the challenges of the future in a near-peer competition.

Spectrum Support is responsible for defending ACC spectrum requirements against legislative activities, is the ACC call-sign manager, assists ACC with resolving Air Force interference reports, and supports ACC's electronic attack and electronic warfare requirements. Additionally, manages and oversees the installation spectrum manager training program.

Spectrum Certifications ensures the electromagnetic compatibility of ACC's spectrum dependent systems (SDS) and advises procurement program offices on spectrum allocations and required technical characteristics to facilitate national-level system certification. SDS certification applications are coordinated across 19 federal agencies to ensure adherence to national standards while minimizing the likelihood of harmful interference. Also manages ACC's foreign disclosure and host country coordination requests supporting OCONUS spectrum requirements. Additionally, provides spectrum supportability guidance for all SDS AF 1067s and spectrum support for compartmental projects.

Spectrum Operations provides support for all ACC installations and tenant units, and manages more than 14,000 active frequency assignments in the United States & Possessions (US&P). Assignments are de-conflicted based on geographical area, time, and emission characteristics to ensure interference-free operations for ACC's spectrum-dependent systems. Additionally, ACC Spectrum is the lead-command for HFGSC spectrum requirements and lead command for validation of all satellite access requests for training, exercises, and RDT&E usage in the CONUS. Also, Spectrum Operations supports all spectrum requirements for ACC exercises and deployments.

Electromagnetic Warfare is responsible for organizing, training, and equipping ACC units for operations in a contested and congested EMS environment. The branch is overseeing the development of the newly-activated 350 Spectrum Warfare Wing from initial operational capability (IOC) to full operational capability (FOC) and is revising and reshaping how ACC trains and certifies EW operations. Additionally, the EW branch has oversight on ACC's inventory of tactical jamming pods used by various CAF fighters.

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