

TRADITIONAL GUARD OFFICER VACANCY ANNOUNCEMENT

New Commission/Commissioned

NEW YORK AIR NATIONAL GUARD

107 ATKW
222 CACS
525 Brooks Rd
Rome, NY 13441

UNIT: 222 Command and Control Squadron

POSITION TITLE: Space Operations

MAX AVAILABLE GRADE: **Major O-4**

ANNOUNCEMENT #: NF 19-05

DATE: 09 September 2019

CLOSING DATE: 09 October 2019

AFSC:13S

AREA OF CONSIDERATION: **NATIONWIDE**

All candidates may apply who meet the basic qualifications for this position and who are eligible for membership in the NYANG.

SPECIALTY SUMMARY

(As outlined in AFOCD Dated 30 April 2019); this list is not all inclusive

Operates and manages space operations systems. The systems include surveillance, space-lift, space warning, and satellite command and control (C2). Performs associated battle management, command, control, and communications activities to defend and support the United States and allied forces. Serves as space operations advisor.

SELECTION FACTORS

- Selection for this position will be made without regard to race, religion, color, creed, gender, or national origin.
- Applications are subject to review by the MPF and as mandatory requirements are met. Primary drilling location will be New York State but travel will be required. Applicant must be TS/SCI eligible
- The requirements and qualifications prescribed in this announcement are the minimum for this position. Appointment is not assured merely by meeting these requirements. Applicants considered must qualify with the requirements outlined in ANGI 36-2005 and AFI 36-2005

DUTIES AND RESPONSIBILITIES:

- Performs space combat operations. Serves as duty controller in space operations centers. Performs Orbital Warfare, Space Electronic Warfare, Space Battle Management, and Space Access and Sustainment activities to achieve and maintain US space superiority in support of national space policy.

- Coordinates space operations. Coordinates with national and international space agencies on space activities that support the major warfighting functions. These include but are not limited to satellite launch; space warning, tracking, control, and cataloging activities. Coordinates space systems network; launch and range control operations interfaces; and mathematical orbital analysis methodology activities with space system agencies. Correlates flow of information and interchange of techniques among sensors and C2 facilities. Advises commanders and staff on capability of offensive and defensive units to meet operational requirements, and on matters for operational effectiveness, combat readiness, organization, and training. Coordinates operations activities, plans, and programs to ensure adequate resources in preparing operations orders and to accomplish assigned mission.

- Formulates space operations policies that achieve and sustain US Space Superiority in support of national space policy. Develops policies and procedures for current and future space systems. Builds future plans, requirements, concepts, directives, and exercises for operational employment of systems and facilities. Establishes organizational structure, and determines personnel required to support mission areas. Establishes training requirements and performance standards for all systems. Recommends priorities for personnel allocation.
- Plans, organizes, and directs space operations programs. Directs unit space operations activities. Reviews command mission for priorities and specific objectives. Directs preparation and management of budget estimates and financial plans based on operational requirements and resources. Observes, conducts, and evaluates effectiveness of space systems training, standardization, and evaluation programs. Inspects space activities and units for compliance with directives and standardized procedures. Writes space annexes to operation plans. Provides guidance on proper use and care of sensitive/classified materials. Conducts space operations activities, including satellite health and status; launch, early orbit, and on-orbit testing; contingency operations; orbital analysis and surveillance; space warning; spacelift booster and payload processing; and dissemination of space situation data to all users.

KNOWLEDGE:

- 13S3A/B/D/E. The following common knowledge and competencies is mandatory for award of the qualified AFSC with an A, B, D or E suffix: Space Mastery (environmental considerations, national space policy, national space strategy, space law and international norms, US space forces, orbital mechanics, space system engineering, space surveillance, electromagnetic spectrum, civil and commercial space), Space Warfighting (space information services, launch and range operations, space system sustainment, intelligence, battle management, command and control, orbital movement and maneuver, counterspace fires, protect), Warfighting Leadership (continuous improvement, mission analysis, tactical problem solving, risk-informed decision making, adaptability, warrior ethos). Joint Planning and Operations and Combat Readiness will be further developed through professional military education after weapon system qualification.
- 13S3A. Orbital Warfare: Operates spacecraft and commands crews to accomplish combat, training and other missions. Maintains spacecraft health and safety during contested operations. Plans, executes and assesses the employment of on-board and off-board resiliency capabilities. Plans, builds, executes and assesses orbital engagement maneuvers. Defeats terrestrial-based and space-based attacks against spacecraft.
- 13S3B. Space Electronic Warfare: Operates electronic attack, electronic protection, electronic warfare support systems and payloads. Defeats threats to space effects by protecting critical electromagnetic spectrum (EMS) links. Negates (e.g. disrupt, deny, degrade, destroy and deceive) adversary access to space effects through the EMS. Integrates SEW into theater non-kinetic operations.
- 13S3D. Space Battle Management: Performs battle management for missile warning, missile defense and space protection missions. Operates surveillance and identification sensors to maintain threat custody. Employs sensors, data links and communications systems to prioritize tactical and operational tasks, information and communication flow for battle space situational awareness. Executes, supervises, coordinates or directs dynamic battle management of fires, force accountability, force package development and real-time targeting.
- 13S3E. Space Access and Sustainment: Leads, trains, and equips personnel supporting space system sustainment and operations. Manages maintenance and modification of space systems and associated systems. Manages system configuration, software updates, cyber surety and anomaly resolution for ground and space segments. Directs operations and maintenance of space access architecture (e.g. launch range, AFSCN, downlink sites). Directs acquisition and life-cycle logistics activities by managing systems, subsystems and equipment through their life-cycle, including integrated logistics support activities and modernization, obsolescence and disposal planning.

EDUCATION

- Entry education requirements see Appendix A, 13S CIP Education Matrix below.

TRAINING:

- The following training is mandatory for award of AFSC indicated: 13S3A/B/D/E. Completion of the prerequisite Officer Undergraduate Space Training (UST) prior to entry or in conjunction with a suffix specialized space operations Initial Qualification Training (IQT) / Mission Qualification Training (MQT) and Space Warfighting Follow-on (SWF) course is mandatory. 13S3A. Completion of an orbital warfare IQT/MQT/SWF course. 13S3B. Completion of a space electronic warfare IQT/MQT/SWF course. 13S3D. Completion of a space electronic warfare IQT/MQT/SWF course. 13S3E. Completion of a space access and sustainment IQT/MQT/SWF course. If an IQT/MQT course does not exist for a specific unit or weapon system, the HAF/CFM or MAJCOM/FM will determine the award of a 13S3A/B/D/E AFSC specialty shredout.

EXPERIENCE:

- The following experience is mandatory for award of AFSC indicated: 13S3A A minimum of 12 months of CMR experience in orbital warfare in a valid 13S billet. 13S3B. A minimum of 12 months of CMR experience in space electronic warfare in a valid 13S billet. 13S3D. A minimum of 12 months of CMR experience in space battle management in a valid 13S billet. 13S3E. A minimum of 12 months of CMR experience in space access and sustainment in a valid 13S billet.
- For entry into this specialty, member must participate in initial color vision testing with CCT. Scores less than 35 (severe color deficiency) may be considered for career field waiver.

APPLICATION PROCEDURES:

For New Commissioning Officers: Applicants will prepare and forward a Cover letter, Resume, an AF Form 24 APPLICATION OF APPOINTMENT AS RESERVE OF THE AIR FORCE OR USAF WITHOUT COMPONENT, AFOQT scores, Current Official College transcripts (forward directly from the college to the address below), DD Form 214 (if applicable), RECORD OF SEPARATION/DISCHARGE FROM US ARMED FORCES (if applicable), vMPF Record Review Rip (if applicable), current Physical Fitness Evaluation Report (if applicable)

Already Commissioned Officers Required Documentation: Applicants will prepare and forward a Cover letter, Resume, AF Form 24, VMPF Record Review Rip or equivalent, current Physical Fitness Evaluation Report, Oaths of Office. Without the required documentation your package will not qualify for pre-screen.

(**ELECTRONIC PACKAGES ONLY NO PAPER**)

Complete application package must be received no later than close of business on the closing date of the vacancy announcement, 09 October 2019. Incomplete packages will not be considered. For more information or questions contact MSgt Heather Miller at 716-236-3627 or by e-mail at heather.a.miller92.mil@mail.mil.

*E-MAIL APPLICATION TO: heather.a.miller92.mil@mail.mil

13S – Space Operations

Tier	Target Accession Rate	CIP	Education Program Description	Requ
1	>= 40%	14.02XX	Aerospace, Aeronautical and Astronautical Engineering	Mandatory
		14.10XX	Electrical, Electronics and Communications Engineering	
		14.27XX	Systems Engineering	
		27.XXXX	Mathematics and Statistics	
		29.0305	Space Systems Operations	
		40.02XX	Astronomy and Astrophysics	
2	>= 40%	11.01XX	Computer and Information Sciences	Desired
		11.02XX	Computer Programming	
		11.04XX	Information Sciences/Studies	
		11.05XX	Computer Systems Analysis	
		11.07XX	Computer Science	
		11.08XX	Computer Software and Media Applications	
		11.09XX	Computer Systems Networking and Telecommunications	
		11.10XX	Computer/Information Technology Administration and Management	
		14.0101	Engineering, General	
		14.04XX	Architectural Engineering	
		1406XX	Ceramic Sciences and Engineering	
		14.07XX	Chemical Engineering	
		14.08XX	Civil Engineering	
		14.09XX	Computer Engineering	
		14.11XX	Engineering Mechanics	
		14.12XX	Engineering Physics	
		14.13XX	Engineering Science	
		14.14XX	Health Engineering	
		14.15XX	Materials Engineering	
		2	>= 40%	
14.20XX	Metallurgical Engineering			
14.23XX	Nuclear Engineering			
14.32XX	Polymer/Plastics Engineering			
14.35XX	Industrial Engineering			
14.36XX	Manufacturing Engineering			
14.37XX	Operations Research			
14.38XX	Surveying Engineering			
14.39XX	Geological/Geophysical Engineering			
14.41XX	Electromechanical Engineering			
14.42XX	Mechatronics, Robotics, and Automation Engineering			
14.44XX	Engineering Chemistry			
29.0203	Signal/Geospatial Intelligence			
29.0204	Command & Control (C3, C4I) Systems and Operations			
29.0205	Information Operations/Joint Information Operations			
29.0207	Cyber/Electronic Operations and Warfare			
29.0301	Combat Systems Engineering			
29.0302	Directed Energy Systems			
29.0304	Low-Observables and Stealth Technology			
30.06XX	Systems Science and Theory			
30.08XX	Mathematics and Computer Science			
30.30XX	Computational Science			
40.08XX	Physics			
3	<= 20%	XX.YYYY	Any Bachelor or Master of Science Degree	Permitted

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