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| **109 AW Comm/Nav Vacancy Announcement**  **( DSG Enlisted )** | | |
| **NEW YORK AIR NATIONAL GUARD**  **109th AIR NATIONAL GUARD BASE**  109th Airlift Wing  Stratton Air National Guard Base  Scotia, NY 12302-9752 | **ANNOUNCEMENT NO:** | 23-109-Comm Nav |
| **DATE:** | 30 December 2022 |
| **CLOSING DATE:** | Until Filled |
| **UNIT:**  109th MXG  Stratton ANGB Scotia, NY 12302-9752 | **AFSC:** | 2A8X1 |
| **MAX AVAILABLE GRADE:** SSgt (E-5) | **AREA OF CONSIDERATION:** **NATIONWIDE**:  All Traditional Guardsman (includes technicians) who meet the basic qualifications for this position.  **Anyone Eligible To Join The New York Air National Guard** | |
| **POSITION TITLE:** Communication/Navigation Systems specialist |
| **SPECIALTY SUMMARY** *(As outlined in the current AFECD - 31OCT2022)*  Analyzes malfunctions, inspects, removes, maintains, and installs integrated communication/navigation/mission  systems. Performs and supervises avionics maintenance and general aircraft servicing and handling.  **DUTIES AND RESPOSIBILITIES** (*IAW the current AFECD – 31OCT2022)*  2.1. Operates and maintains communication/navigation/mission systems on C-5, C-12, C-17, C-20, C-21, C-26, C-32, C-37, C-40 C-  130 (except SOF/PR & EC-130), KC-10, KC-46 and KC-135 aircraft. Analyzes equipment operating characteristics to isolate  malfunctions in avionics systems, radar, integrated test systems built-in-test (BIT), multiplexed data bus systems, recording systems,  video display systems, flight instruments, mission computer systems, inertial navigation systems (INS), global positioning system,  traffic collision avoidance system, electronic warfare (EW) systems, sensors, communication, and navigation systems, transponders,  aircraft indicating systems, flight formation systems,  2.2. Removes, installs, checks, and repairs avionics systems and line replaceable units (LRU). Diagnoses malfunctions using technical  orders, schematics, wiring diagrams, integrated test systems and other test equipment. Removes, replaces, and repairs faulty system  wiring, electrical connectors, antennas, transmission lines, and multiconductor cables. Modifies avionics systems according to technical  publications. Updates operational logs, inspection records, aircraft forms, and automated maintenance systems. Performs and supervises  alignment, calibration, and boresight of avionics systems. Uploads ground maintenance and operational software. Performs offequipment  maintenance on selected avionics LRUs and maintains peculiar support equipment (SE).  2.3. Inspects and evaluates aircraft maintenance activities. Inspects and verifies operational status and configuration of avionics systems and  software. Records and ensures validity of entries into maintenance data collection and inspection systems. Resolves and assists units in  solving maintenance and supply problems. Interprets and recommends corrective action to inspection findings. Prepares aircraft for low  altitude profiles, precision air drop.  2.4. Plans, organizes, and directs aircraft maintenance activities. Establishes methods and performance standards. Analyzes reports and  maintenance plans. Directs operation and modification of standard operating procedures. Establishes priorities. Evaluates activities for  compliance with directives. Supervises and assists in aircraft ground servicing, and launch/recovery operations. Reviews maintenance  data collection summaries to determine trends and production effectiveness.  3.  **QUALIFICATIONS AND SELECTION FACTORS:**  3.1. Knowledge. Knowledge is mandatory of: cyber protection theory and hygiene, including weapon system attack surfaces and airgapped  system risks; interpreting and applying mechanical, wiring, and electronic circuit diagrams; electronic, micro-processor, data  bus, and mechanical principles theory and application; theory of flight; gyros, synchros, indicators, memory storage devices, antennas,  servomechanisms, electromechanical, and electro-optical devices; radar, radio frequency communication, surveillance radar systems,  pulse Doppler radar theory, dependent navigation aids, inertial and radar navigation, electronic countermeasure transmitters and  receivers; lasers, infrared/ultraviolet receivers; optics, instruments, multiplexing, video display, and digital computer systems working  principles; subsystem tie-in between integrated avionics systems; using and interpreting testing and measuring devices; mechanical and  electrical means; and concepts and application of maintenance directives.  3.2. Education. For entry into this specialty, completion of high school courses in physics, computers, and mathematics is desirable. | | |

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| **TO INQUIRY ABOUT THIS or ANY 109TH AIRLIFT WING POSITIONS:**  **Please Contact The 109th Recruiting Office @ 518-344-2456 or 109.AW.Recruiting@us.af.mil, with any Qualification/Eligibility or Vacancy Questions.** |