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| **109 AW Avionics Vacancy Announcement** **( DSG Enlisted )** |
| **NEW YORK AIR NATIONAL GUARD****109th AIR NATIONAL GUARD BASE**109th Airlift WingStratton Air National Guard BaseScotia, NY 12302-9752 | **ANNOUNCEMENT NO:**   | 23-109-Avionics |
| **DATE:**  | 28 February 2025 |
| **CLOSING DATE:**  | Until Filled |
| **UNIT:**  109th MXGStratton ANGB Scotia, NY 12302-9752 | **AFSC:** | 2A9X4 |
| **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:** Heavy Aircraft Integrated Avionics  |
| **SPECIALTY SUMMARY** *(As outlined in the current AFECD - 31OCT2024)*Analyzes malfunctions, inspects, removes, maintains, and installs integrated communication/navigation/mission systems, integrated instrument and flight control systems, radar surveillance and integrated avionics systems. Performs and supervises avionics maintenance and general aircraft servicing and handling. **DUTIES AND RESPOSIBILITIES** (*IAW the current AFECD – 31OCT2024)* 2.1. Operates and maintains communication/navigation/mission systems, instrument and flight control systems, electronic warfare, radar surveillance and computer systems on airlift, bomber, vertical lift, special mission, and tanker aircraft. Operates integrated avionics systems to determine operational condition. Interprets equipment operation to isolate malfunctions in systems such as attack control, instrument, flight control, communications, navigation, networking systems, active/passive electronic systems, intelligence, surveillance, and reconnaissance systems. Traces data flow and wiring diagrams. Inspects, troubleshoots, and maintains aircraft wiring systems. Uses built-in test functions, test equipment, support aerospace ground equipment (AGE), and hand tools. Monitors equipment performance and detects and analyzes malfunctions. 2.2. Removes, installs, aligns, modifies, and checks integrated avionics system components. Installs, modifies, and maintains software and firmware. Ensures cryptography components are controlled and maintained IAW National Security Agency publications and directives. Performs intermediate or organizational maintenance level modifications. 2.3. Inspects integrated avionics systems, determines operational status, posts entries, and maintains inspection and maintenance records. Interprets inspection findings and determines corrective action. Reviews maintenance management publications and procedures to obtain avionics systems information. Recommends methods to improve equipment performance and maintenance procedures. Inputs, validates, and analyzes data processed to automated systems. Uses maintenance information systems (MIS) to monitor maintenance trends, analyze equipment requirements, maintain equipment records, and document maintenance actions. Supervises and assists in aircraft ground servicing, and launch/recovery operations. **QUALIFICATIONS AND SELECTION FACTORS:**3.1. Knowledge. Knowledge is mandatory of: cyber protection theory and hygiene, including weapon system attack surfaces and air-gapped system risks; electronic, microelectronic, gyro, synchro, mechanical, and indicator principles, theory, and application; factors involved in transmitting and receiving within the radio frequency ranges; interpreting and applying mechanical, wiring, and electronic circuit diagrams; digital computer logic and computer systems; using and interpreting testing and measuring devices; using and inspecting common hand tools; principles of aerodynamics and motion and power transmission by mechanical, hydraulic and electronic means; Electromagnetic Spectrum Operations (EMSO) principles; concepts and application of maintenance and Air Force directives.  |

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| **TO INQUIRY ABOUT THIS or ANY 109TH AIRLIFT WING POSITIONS:****Please Contact The 109th Recruiting Office @ 518-344-2200 or 109.AW.Recruiting@us.af.mil, with any Qualification/Eligibility or Vacancy Questions.** |