

**Job Announcement Number**

NE-12704179-AF-25-031

## Overview

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<b>Job Title</b>	ELECTRONIC INTEGRATED SYSTEMS MECHANIC	<b>Department</b>	Department of the Air Force
<b>Agency</b>	Air National Guard Units	<b>Hiring Organization</b>	N/A
<b>Open &amp; Closing Dates</b>	02/28/2025 to 09/26/2025	<b>Application Count</b>	N/A
<b>Salary</b>	\$34.27 to \$41.90 Per Hour; Announcement is Open until Filled; First review will be 14 MAR 2025, with a review every 7 days thereafter if needed.	<b>Pay Scale &amp; Grade</b>	WG-12-13
<b>Locations</b>	Lincoln, Nebraska	<b>Remote Job</b>	No
<b>Telework Eligible</b>	Yes - as determined by the agency policy.	<b>Travel Required</b>	Occasional travel - You may be expected to travel for this position.
<b>Relocation Expenses Reimbursed</b>	No	<b>Appointment Type</b>	Permanent
<b>Work Schedule</b>	Full-time	<b>Service</b>	Excepted
<b>Promotion Potential</b>	13	<b>Job Family (Series)</b>	2610 - Electronic Integrated Systems Mechanic
<b>Supervisory Status</b>	No	<b>Security Clearance</b>	Secret
<b>Drug Test</b>	No	<b>Position Sensitivity And Risk</b>	Non-sensitive (NS)/Low Risk
<b>Trust Determination Process</b>	Suitability/Fitness	<b>Financial Disclosure</b>	No
<b>Bargaining Unit Status</b>	No		

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## Summary

**Summary**

This National Guard position is for a ELECTRONIC INTEGRATED SYSTEMS MECHANIC, Position Description Number D2325000/WG12; D2240P01/WG13and is part of 155 MXS/MXMVC, Nebraska Air National Guard.

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## Learn More About This Agency

**Marketing Message**

The National Guard is the oldest component of the Armed Forces of the United States. Since the earliest American colonial days, citizens have joined together for collective defense. We have a proud tradition of coming to the aid of our friends and neighbors in times of serious emergencies. Join our National Guard team and serve your nation, your states and your community!

**Marketing Link**

<http://ne.ng.mil/Pages/Home.aspx>

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## This Job Is Open To

**Hiring Paths**

Internal to an agency - appears on USAJOBS, National Guard & Reserves

**Hiring Paths Clarification Text**

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## Videos

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### Marketing Video Link 1

N/A

### Marketing Video Link 2

N/A

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## Duties

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### Duties

As a ELECTRONIC INTEGRATED SYSTEMS MECHANIC, WG-2610-12/13, duties include:

1. Performs scheduled and unscheduled maintenance on one or more multi-complex electronic integrated systems. Completes operational checks, inspections, tests, trouble shooting, removal and replacement of Line Replaceable Units (LRUs) which are linked with integrated systems and LRUs which are independent or associated with nonintegrated systems. Isolates unusual malfunctions using technical orders, schematics, wiring diagrams, tools, and test equipment including automatic test equipment and Flight Line Test Systems (FLTS). Solves complex problems by analyzing installation, circuitry, and operating characteristics of the systems. Adjusts and aligns system sensors, transmitters, amplifiers, power supplies, display devices, controls, transponders, actuators, servos, computers and other related components. Installs serviceable components into aircraft and performs total systems alignment and harmonization in accordance with existing technical orders and directives. Accomplishes technical order compliances, modification of components/systems and completes thorough system checks for proper operation. Maintains, modifies, calibrates and inspects a wide variety of user test, measurement, and diagnostic equipment (TMDE). Installs, modifies, overhauls, maintains, troubleshoots, repairs, rebuilds, aligns, and calibrates complete electronic avionics multi-systems control. Demonstrates a thorough working knowledge of complex aircraft avionics and or ECM systems such as the electronics package in a highly automated aircraft where the integrated flight and Integrated Countermeasures System, electronic multiplex communications bus, Inertial Navigation System, multi-function displays, head-up display, data transfer equipment, Global Positioning System, Situation Awareness Data-Link (SADL), Data Modem, Flight Control System, pitot-static system and related instrumentation, flight director instrumentation, Central Air Data Computer, engine, hydraulic and fuel quantity indicating systems, voice message warning, VHF, UHF, SATCOM Data, intercom, secure voice communications, Identification Friend or Foe (IFF), and Tactical Air Navigation System (TACAN). Evaluates operational characteristics of the integrated systems by observing and analyzing waveforms, voltage, current, power indications, computer registers and printouts. Analyzes the malfunctions encountered through fault codes, determines repair sequence process and performs the repairs.

2. Reviews and analyzes maintenance data; determines if criteria are sufficient to provide adequate test, troubleshooting and repair procedures; devises and recommends tests, procedural changes, or data corrections. Aligns, adjusts, and performs final calibrations on integrated systems to determine successful repairs. Analyzes equipment failure and malfunctions and suggests changes to improve operation. Monitors the operation of complex, interrelated systems, analyzes operating trends, proposes preventative maintenance down time to assure continued operating capability, and recommends components for overhaul or engineering evaluation for disposal. Applies technical data and equipment specifications to determine the impact that equipment modifications or substitutions will have upon integrated multi-system operations and various maintenance alignment procedures. Uses algebraic and trigonometric functions to adapt standard formulas to the specific requirements of the integrated system. Installs, operates, and repairs prototype or experimental electronic systems such as inertial navigation, automatic flight control as assigned. Advises Aerospace Engineering personnel on the operation and maintenance effects of proposed Time Compliance Technical Orders (TCTO) modifications on new or existing equipment. Interacts directly with aircrews for mission/sortie debrief and enhanced system troubleshooting.

3. Troubleshoots operational malfunctions and analyzes system performance utilizing aircrew debrief data, Technical Orders, schematic and wiring diagrams, engineering drawings, data analysis, common and system-specific test equipment and built in system tests. Performs on and off-equipment maintenance on systems such as automatic flight control, instruments, communication, navigation, and inertial navigation. Coordinates back shop bench check (if applicable, completes testing, repair, inspection, modification, programming, reprogramming, mating, adjusting, alignment, and analyzing of LRUs and shop replaceable units (SRUs). Uses a variety of test equipment such as automatic test equipment (ATE), oscilloscopes, frequency counters, phase-angle voltmeters, optical alignment equipment, digital pitot-static testers, programming units and special purpose test analyzers.

Performs other duties as assigned.

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## Requirements

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### Conditions Of Employment

Military membership in the Nebraska National Guard Membership is required.  
Males born after 31 December 1959 must be registered for Selective Service.  
Obtain/maintain the level of security clearance/background check required.  
May be required to successfully complete a probationary period.  
Direct Deposit is mandatory.  
Individuals with military incentive bonuses may be subject to recoupment.

### Qualifications

**NATIONAL GUARD MEMBERSHIP IS REQUIRED:** This is a Title 32 excepted service position that requires membership in a compatible military assignment in the National Guard. Selectee will be required to wear the military uniform. Acceptance of an excepted service position constitutes concurrence with these requirements as a condition of employment. Applicants who are not currently a member of the National Guard must be eligible for immediate membership and employment in the National Guard in the military grade listed in this announcement.

**FOR QUESTIONS REGARDING ELIGIBILITY TO JOIN THE NEBRASKA AIR NATIONAL GUARD PLEASE CONTACT THE LOCAL RECRUITING OFFICE**

**OPEN AREAS OF CONSIDERATION:** AREA 1, 2 and 3

**DEFINITION OF AREA(S) OF CONSIDERATION:**

AREA 1: Current permanent and indefinite technicians of the Nebraska Army or Air National Guard; and current Title 5 employees of the Nebraska Military Department who are military members of the Nebraska National Guard.

AREA 2: All Drill Status/M-Day members and temporary technicians of the Nebraska Air or Army National Guard.

AREA 3: Current military service members who are willing and eligible to become members of the Nebraska Air or Army National Guard.

AREA 4: All qualified candidates eligible and willing to become a member of the Nebraska National Air or Army National Guard prior to the effective date of hire.

**MILITARY REQUIREMENTS:**

**Compatible military grade and assignment required prior to the effective date of placement.** This is an excepted service position that requires membership in a compatible military assignment in the Nebraska Air National Guard. Applicants who are not currently a member of the National Guard must be eligible for immediate membership. If you are not sure you are eligible for military membership, please contact a National Guard recruiter prior to applying for this position.

**Military Grades: Maximum: E6; Minimum: E3;** Military Grade inversion within the full time work forces is not permitted. The military grade of the full time supervisor must equal or exceed the military grade of the personnel supervised.

**Compatibility will be followed in accordance with 32 USC 709(b) and 10 USC 10216**

Compatibility requirements must be met prior to appointment to the position. Selectee has 24 months to become qualified in a compatible military assignment.

**GENERAL EXPERIENCE:** Experience or training which demonstrates the applicant's knowledge to perform duties such as, install, modify, overhaul, maintain, troubleshoot, repair, align, calibrate, and rebuild multi-system avionics complexes. Ability to collect and analyze data effectively, efficiently, and accurately. Able to apply procedures and directives by reading and interpreting material. Ability to communicate clearly and effectively. Applicant must have a validated understanding of the basic principles and concepts of the occupational series and grad

**SPECIALIZED EXPERIENCE:**

**WG-12:** - Experience or training demonstrating the ability to repair, align, and adjust major integrated electronic systems such as inertial navigation system, automatic flight control, or fire control system. Extensive knowledge of electronic, pneumatic, hydraulic, and mechanical systems in order to understand and predict the progressive effects of malfunctions throughout the interrelated units, (e.g., trace an apparent operating error in the hydraulic controls of a gun mount back to the failure of a tactical computer to integrate yaw, pitch, azimuth, and velocity inputs) and to predict areas of technical difficulty in order to assist lower grade employees. Through knowledge of the application of electronic theories and practices to one or more complex integrated systems such as fire control, inertial navigation, or automatic landing control systems. Broad knowledge of such applications as radar, digital or analog computers, digital or cathode ray tube display devices, etc., and specific knowledge of the technology and practices which integrate these components into a total functional system. Knowledge of mathematics including algebra and basic trigonometric functions in order to adapt standard formulas to the specific requirements of the integrated system. Ability to follow drawings for integrated electronic systems such as radar navigation systems which integrate terrain information from the radar, pitch, roll, and turn rate, etc. from sensing devices and actuate control relays. Ability to trace the effect of a change in one subsystem to other integrated subsystems and determine which controls and devices must be changed or adjusted to compensate. Ability to diagnose and determine needed repairs for malfunctions in electronics systems such as weapons control where knowledge of the entire system is necessary to interpret error data and trace back through a number of units of the system to locate the deficiency

**WG-13:** Experience or training demonstrating the ability to repair, overhaul, rebuild, align, and adjust complete multi-systems such as the electronics package in a highly automated aircraft where target acquisition and tracking, weapons control, aircraft attitude control, navigation, and other complex functions are performed by numerous systems which are extensively interconnected with data feedback loops. Applies comprehensive knowledge of all major units of the complete multisystem, i.e., how they function independently, how they are interfaced in the integrated subsystems, and how the subsystems interact to achieve operating specifications. Able to determine proper sequence of operations and start point in sequential operations in order to pinpoint areas of malfunction. Extensive practical knowledge of the theories and practices of electromagnetic propagation, electronic circuits, computer theory, hydraulic or pneumatic control and power systems, and many other areas covering a wide range of system applications. Broad knowledge of the interactions among a number of closely integrated complex systems. Knowledge of mathematics, including trigonometry, to calculate power relationships, signal phasing, etc. Ability to interpret drawings for multisystem complexes such as the complete electronics package for an aircraft including numerous interconnections of signal paths both between and within individual subsystems of the multisystem complex. Ability to isolate malfunctions of complete multiple integrated systems consisting of closely interrelated fire control, bombing-navigation, flight control, countermeasures or similar systems and to determine the

methods of repair where extremely complex relationships exist among numerous interconnected units and control circuits not only within the individual control systems but between them as well, requiring complete knowledge of all electronic, mechanical, and or optical systems and units. Performs on-equipment or off-equipment maintenance on one or more complete electronic integrated systems associated with the assigned aircraft, and/or maintenance on automatic flight control systems, instrument systems, inertial and radar navigation systems

## Education

### Education:

**No Substitution of Education for this position.**

## Additional Information

If you are a male applicant who was born after 12/31/1959 and are required to register under the Military Selective Service Act, the Defense Authorization Act of 1986 requires that you be registered or you are not eligible for appointment in this agency (<https://www.sss.gov/RegVer/wfRegistration.aspx>).

### **CONDITIONS OF EMPLOYMENT & NOTES:**

1. Must be able to obtain and maintain the appropriate security clearance of the position.
2. This position is covered by the Domestic Violence Misdemeanor Amendment (30 Sep 96) of the Gun Control Act (Lautenberg Amendment) of 1968. An individual convicted of a qualifying crime of domestic violence may not perform the duties of this position.
3. Ability to establish effective professional working relationships with coworkers and customers, contributing to a cooperative working environment and successful accomplishment of the mission.
- \*4. Irregular and/or overtime (compensatory) hours may be required to support operational requirements or contingencies or may be required to work hours outside of the normal duty day.
5. The duties and responsibilities of your job may significantly impact the environment. You are responsible to maintain awareness of your environmental responsibilities as dictated by legal and regulatory requirements, your organization, and its changing mission.

## Benefits

N/A

## Benefits Link

<https://www.abc.army.mil/>

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# How You Will Be Evaluated

## How You Will Be Evaluated

Once the announcement has closed, your resume and supporting documentation will be used to determine if you meet the qualifications listed on this announcement. Your answers to the assessment questionnaire will be verified against information provided in your resume and other supporting documentation. Be sure that your resume clearly supports your responses to all the questions addressing experience and education relevant to this position.

In describing your experience, please be clear and specific, we will not make assumptions regarding your experience. If, after reviewing your resume and supporting documentation, a determination is made that you have inflated your qualifications or experiences, your rating will be adjusted or you may be excluded from consideration for this position.

Your qualifications will be evaluated against general and specialized experience under the "Qualifications" section and against the following competencies (knowledge, skills, abilities and other characteristics):

Ability To: Inspect, Knowledge of Equipment Assembly, Installation, Repair, etc., Theory of Electronics, and Trouble shooting (Electronic Equipment)

To preview the assessment questionnaire, please use the following link: <https://apply.usastaffing.gov/ViewQuestionnaire/12704179>

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# Required Documents

## Required Documents

To apply for this position, you must submit a complete Application Package which includes:

1. Your **resume** showing work schedule, hours worked per week, dates (format should include Month and Year) of employment and duties performed.  
Use this link for [Resume Tips](#).
2. **Other supporting documents (optional)**
  - Cover Letter
  - DD-214

- Other
- Other Veterans Document
- SF-50
- Transcript

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## How To Apply

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### How To Apply

To apply for this position, you must complete the online application and submit the documentation specified in the Required Documents section below.

A complete application package must be submitted by 11:59 PM (Eastern) on the closing date of the announcement to receive consideration.

To begin, click **Apply** to access the online application. You will need to be logged into your USAJOBS account to apply. If you do not have a USAJOBS account, you will need to create one before beginning the application.

Follow the prompts to **select your resume and/or other supporting documents** to be included with your application package. You will have the opportunity to upload additional documents to include in your application before it is submitted. Your uploaded documents may take several hours to clear the virus scan process.

After acknowledging you have reviewed your application package, complete the Include Personal Information section as you deem appropriate and **click to continue with the application process**.

You will be taken to the online application which you must complete in order to apply for the position. Complete the online application, verify the required documentation is included with your application package, and submit the application.

To verify the status of your application, log into your USAJOBS account (<https://my.usajobs.gov/Account/Login>), all of your applications will appear on the Welcome screen. The Application Status will appear along with the date your application was last updated. For information on what each Application Status means, visit: <https://www.usajobs.gov/Help/how-to/application/status/>.

### Agency Contact Information

#### Questions About This job

Jon Sronce  
Phone: 402-309-8173  
Email: [jon.c.sronce.civ@army.mil](mailto:jon.c.sronce.civ@army.mil)

#### Agency Information

NE 155 MXS  
2420 W Butler Ave  
Lincoln, NE 68524

### Next Steps

Once your online application is submitted you will receive a confirmation notification by email. Your application will be evaluated by the Human Resources Office to determine your eligibility for the position. After the evaluation is complete, you will receive another notification regarding the status of your application.

Qualified candidates will be referred to the selecting official in the following order:

1. Fully qualified Area 1 applicants
2. Fully qualified Area 2 applicants
3. Fully qualified Area 3 applicants
4. Trainees

**INDIVIDUAL SELECTED AS A WG-12 TRAINEE MAY BE PROMOTED TO WG-13 UPON COMPLETION OF THE FOLLOWING: (1) COMPLETION OF AN INDIVIDUAL DEVELOPMENT PLAN (IDP); AND (3) COMPLETION OF A CLASSIFICATION REVIEW. INDIVIDUAL MAY BE PROMOTED WITHOUT FURTHER COMPETITION WHEN QUALIFIED AND RECOMMENDED BY THE SELECTING OFFICIAL; HOWEVER PROMOTION IS NOT GUARANTEED. APPLICANTS MUST INDICATE ON THEIR APPLICATION THE LOWEST GRADE FOR WHICH THEY WISH TO BE CONSIDERED.**

**The initial cut-off date for first consideration is 11:59 pm, CST, 14 MAR 2025; applications received by this date will have the first opportunity for review. Applications received after this date will be given consideration only if there is a need for further review. If further reviews are required, they will occur weekly or until a certificate of eligibles is exhausted.**

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## Release URL

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### Release URL

<https://www.usajobs.gov/GetJob/ViewDetails/832881800>