

STATE OF HAWAII  
DEPARTMENT OF DEFENSE  
OFFICE OF THE ADJUTANT GENERAL  
3949 DIAMOND HEAD ROAD, HONOLULU, HAWAII 96816-4495

JOB VACANCY ANNOUNCEMENT FY17-023 AGR-AIR  
Dual announcement (Yes)

6 July 2017

POSITION: Low Observable Aircraft Structural Maintenance Craftsman  
(ILO Composite Fabricator Leader, WL-4352-10, \$32.53 to  
\$37.95 per hour), 2A775, FAC 23B100, 154<sup>th</sup> Maintenance  
Squadron (MXS), Hawaii Air National Guard, Hawaii (HIANG)  
(To establish a List of Eligible)

TYPE OF  
APPOINTMENT: Full-Time Military Duty (Title 32, USC 502(f)) – Three (3) year  
tour length/On-Board AGRS see Paragraph (**See NOTES TO  
APPLICANTS**)

LOCATION: Joint Base Pearl Harbor-Hickam, Hawaii

CLOSING DATE: 7 August 2017

RECRUITMENT AREA:

1<sup>st</sup> Area of Consideration: Present enlisted members SSgt (E-5) to MSgt (E-7) Hawaii Air  
National Guard. (**See NOTES TO APPLICANTS**)

2<sup>nd</sup> Area of Consideration: Present enlisted members SSgt (E-5) to MSgt (E-7) of the U.S.  
Armed Forces within the State of Hawaii. (**See NOTES TO  
APPLICANTS**)

SUMMARY OF DUTIES: Applies low observable materials and coatings to aircraft. Repairs low observable and metallic structural parts and components to meet requirements for preserving structural integrity. Assesses damage impacts to aircraft signatures. Advises on structural and low observable repair, modification, and corrosion protection treatment with respect to original strength, weight, and contour to maintain structural and low observable integrity. Assembles and repairs using special fasteners and adhesives. Inspects standard LO repairs to ensure compliance with technical data specifications. Manufactures layouts, jigs, fixtures, forms, and molds. Removes Radar Absorbent Material (RAM) by sanding, scraping or pulling using manual and powered methods. Fabricates repair parts from RAM, cutting tools and adheres them to aircraft surfaces and fasteners using vacuum bags, fixtures, and other pressure inducing processes. Applies scrim material to RAM and aircraft surfaces in preparation for RAM cover strip installation. Installs RAM cover strips to panel and skin gaps. Applies RAM pastes to aircraft surface gaps, voids, and gouges. Sands and skives RAM and RAM pastes to required contours. Repairs low observable treatments on polycarbonate transparencies using edge sealing compounds, adhesives, primers, and conductive films. Performs repair actions to ceramic RAM coatings associated with engine hot areas and adjacent fairings using grit blasters and approved high temperature curing equipment. Identifies, removes, and treats corrosion using mechanical and chemical

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procedures. Applies aircraft paint schemes and markings. Removes low observable finishes and treatments by sanding, scraping, cutting, gouging, and pulling, using manual and powered methods. Sands surface finishes to specified depths and widths to prepare them for proper reapplication of finishes using manual and powered methods. Determines extent of damage and/or scope of task and performs finish and treatment removal tasks accordingly. Removes panel, door, and skin fasteners to gain access to aircraft interior and replaces fasteners following maintenance. Cleans aircraft exterior surfaces and gaps to prepare them for filler treatments, fairing materials, and other follow-on maintenance. Mixes multi-part adhesives, sealants, fillers, fairing materials, and organic topcoats. Uses maintainer-fabricated enclosures with environmental control units, heaters, and climate control equipment to stabilize repair sites. Applies, sands, and skives fillers and fairing materials to Joint/Technical Order Data (TOD) specifications for waviness, step condition, and aerodynamic smoothness. Applies organic low observable topcoats and rain erosion materials using spray equipment, brushes and rollers. Uses ambient and accelerated cure processes to cure adhesives, sealants, fillers, fairing materials, and organic topcoats. Uses planform alignment procedures to determine proper repair angles and dimensions for low observable finishes and treatments. Uses metalworking equipment and tools to form, cut, bend, and fasten replacement or repair parts to damaged structures and components. Fabricates, repairs, and assembles tubing assemblies for aerospace weapon systems and AGE/SE. Maintains and inspects tools and equipment. Performs operator maintenance and service inspections on shop equipment and tools. Stores, handles, and disposes of hazardous waste and materials according to environmental standards and classifications. Inspects coatings, structures, and components to determine operational status. Interprets inspection findings, and determines corrective actions. Posts entries and maintains maintenance and inspection records. Recommends methods to improve equipment performance and maintenance procedures. Uses portable maintenance aids (PMA) and automated maintenance systems. Inputs, validates, and analyzes data processed to automated systems. Clears and closes out completed maintenance discrepancies in automated maintenance systems. Evaluates structural damage to aircraft structures or items and applies appropriate repair procedures to include application of adhesive films, prepregs, foam, and tape; and scarfing, layup, vacuum bagging, and accelerated curing techniques. Performs inspection and repair procedures for graphite Bismaleimide resin (BMI), graphite epoxy woven fabric, and uni-directional assemblies to include use of adhesive film, foam, tape, scarfing, lay-up and bagging techniques associated with hot bonders. Selects core materials to complete repairs, makes templates to use as patterns, and assures proper ply orientation and de-bulking. Selects bond form and prepares tools; lays-up; mixes and applies two part adhesives and sealants; installs temperature monitoring devices; cures adhesives; and otherwise completes repairs. Specifies curing process/specification to autoclave/curing oven operator for the part to be cured. Removes completed items from bond forms after the cure cycle. Inspects final assembly for visual damage or flaws.

Details of the above stated "SUMMARY OF DUTIES" are contained in the applicable description of duties and responsibilities in the Air Force Officer Classification Directory (AFECD) located at: <https://gum-crm.csd.disa.mil/app/answers/list/kw/afecd/>.

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This position is also being announced for fill in an Excepted Service (Enlisted) status. Applicants who wish to be considered under the Excepted Service program should submit the appropriate application forms. For details and application procedures, click on the website: <https://www.usajobs.gov/GetJob/ViewDetails/473868200>.

Per ANGI 36-101, paragraph 5.2. The intent of the AGR program is to assess AFSC qualified individuals. Individual must possess AFSC 2A775.

Must be able to meet and maintain Special Access eligibility requirements as outlined in JAFAN 6/4, Special Access Program Tier Review Process. Must maintain minimum SECRET Security clearance. Special Access Candidates are subject to Counterintelligence Polygraph.

This position serves as a working leader of three or more Composite Fabricator positions. Assigns work orders to specific team members and selects workers for various jobs on the basis of knowledge, skills, and abilities.

**TO APPLY FOR THIS VACANCY, SELECT THE LINK BELOW AND FOLLOW THE AGR APPLICATION PROCEDURES**

<http://dod.hawaii.gov/hro/agr-resources/>