



MISSOURI NATIONAL GUARD  
JOINT FORCE HEADQUARTERS  
IKE SKELTON TRAINING SITE  
2302 MILITIA DRIVE  
JEFFERSON CITY, MISSOURI 65101-1203

S: 22 Mar 24  
S: 21 Oct 24

NGMO-PER-AB (600-8-19D)

22 Feb 24

MEMORANDUM FOR DISTRIBUTION A & I

SUBJECT: Statewide Vacancy Announcement (**SWVA #24-0029**)

1. The current EPS list has been exhausted and the following position is open statewide for best select interviews:

- a. Unit Name / UIC: 365 FEST - M / WPSPAA
- b. MOS / Duty Title: 12Y50 / Senior Geospatial Engineer Operations Sergeant
- c. Position # / Grade: 00120721 / E8
- d. Location: Mexico, MO

2. Applicability:

- a. Current ARNG Soldiers in grades E6 through E8 in any MOS, and E8 Active Army and USAR Soldiers who currently hold the 12Y MOS.
- b. MOS specific duties and qualification requirements are listed in the enclosed. Reference DA PAM 611-21, chapter 10-12Y.

3. Instructions:

- a. Interested, qualified candidates are encouraged to apply by the first packet submittal suspense of **22 Mar 24** to be considered for the initial interview process, or until this announcement has been removed from its moguard.ngb.mil listing.
- b. Thereafter, if no selection is made, Commanders may conduct additional interviews at their discretion until **21 Oct 24**, or a selection is made.
- c. Soldiers will submit completed applications and all other required documentation to MSG Todd A. Stark at [todd.a.stark6.mil@army.mil](mailto:todd.a.stark6.mil@army.mil) or SSG Jordan N. Reyna at [jordan.n.reyna.mil@army.mil](mailto:jordan.n.reyna.mil@army.mil). Reference the SWVA number located in the above subject line on all documents.

4. Soldiers holding a Select Reserve Incentive Program bonus are recommended to consult with the Education & Incentives office to determine compatibility.

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5. All units will post this announcement on their unit bulletin board and in their monthly newsletter until this announcement is removed from its moguard.ngb.mil listing. For additional information, see the MOARNG FY23 EPS MOI, dated 1 July 2022.

FOR THE MILPO:

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ERIN K. SALLEE  
LTC, MP, MOARNG  
Chief, Military Personnel Services Division

## **10-12Y. MOS 12Y–Geospatial Engineer, CMF 12 (Effective 202210)**

a. *Major duties.* Geospatial engineers manage the enterprise geospatial database; compiled from all sources including National Geospatial Agency, Topographical Engineering Center and other services, coalition allies, as well as exploiting new collection and production from deployed Soldiers and sensors. Geospatial engineers manage the geospatial foundation of the Common Operating Picture (COP), synchronizing hard and soft copy products and are a necessary component of All Source Intelligence and Battle Command. Finish compilation of geospatial data into a printable map/product and prints (maps, overlays and special products) hardcopy geospatial information. Duties for MOS 12Y at each level of skill are:

(1) *MOSC 12Y10.* Extract geospatial data from remote sensed imagery, field reconnaissance, digital data, existing topographic products and other collateral data sources. Records analysis results addition to a military graphic data base. Draws, scribes, digitizes and scans cultural, topographic, hydrographic, and/or other features on overlay/scribing surfaces or in digital formats. Utilizes basic drafting techniques to tailor terrain products and revises planimetric and topographic maps. Perform digital manipulation of topographic information by querying, viewing, evaluating and downloading digital data. Finish compilation of geospatial data into printable map/products and prints hardcopy geospatial information.

(2) *MOSC 12Y20.* Performs duties in the preceding skill level, supervise lower grade Soldiers and provides technical guidance to the Soldiers in accomplishment of their duties. Analyze collected military geographic information to produce tactical decision aids. Predict terrain and weather effects as applied to command, control, communication, computer and intelligence systems. Perform data base management for the storage of aerial photographs, maps, digital data bases and collateral source materials. Perform quality assurance during all stages of topographic operations to include finish compilation of geospatial data into printable map/products and printing of hardcopy geospatial information.

(3) *MOSC 12Y30.* Performs duties of preceding skill level, supervises lower grade Soldiers and provides technical guidance to Soldiers in the accomplishment of their duties. Supervise topographic analysts at division, Corps and EAC topographic units to include maintenance of assigned equipment. Evaluate source materials for military geographic information analysis. Supervise quality assurance during all stages of topographic operations to include finish compilation of geospatial data into printable map/products and printing of hardcopy geospatial information. Ensures required administrative, intelligence, source data and reference files are maintained. Advise command and staff officers on all aspects of topographic operations and doctrine.

(4) *MOSC 12Y40.* Performs duties of preceding skill level, supervises lower grade Soldiers and provides technical guidance to Soldiers in the accomplishment of their duties. Supervise topographic analysis activities at all levels. Coordinates and validates collection requirements. Supervise quality assurance program for all topographic operations to include finish compilation of geospatial data into printable map/products and printing of hardcopy geospatial information. Plans and coordinates activities pertaining to the organization, training and the tactical and technical operation of the assigned unit. Direct preparation for movement and operation of mobile/transportable work sections. Advise command and staff officers on all aspects of topographic operations and doctrine. Coordinate the planning and production of military geographic information. Supervise preparation of transportable/mobile work sections. Advises command and staff officers on all aspects of topographic operations and doctrine. Coordinate the planning and production of military geographic information.

(5) *MOSC 12Y50.* Assist in geospatial planning and control activities. Assist in determining requirements and providing technical supervision of topographic mapping and other military geographic intelligence programs, to include geodetic and topographic surveying activities. Assist in command supervision and coordination of map reproduction and topographic map supply programs. Provides staff supervision and principal noncommissioned officer direction to units engaged in performing topographic engineering missions.

b. *Physical demands rating and qualifications for initial award of MOS.* The geospatial engineer must possess the following qualifications:

(1) Physical demands rating of moderate (Gold).

- (2) A physical profile of 211222.
  - (3) Normal color vision.
  - (4) A maximum of 175 seconds of arc visual stereoscopic acuity or a pass rating on a stereoscopic/depth perception exam.
  - (5) Qualifying scores.
    - (a) A minimum score of 100 in aptitude area ST in Armed Services Vocational Aptitude Battery (ASVAB) tests administered prior to 2 January 2002.
    - (b) A minimum score of 96 in aptitude area ST on ASVAB tests administered on and after 2 January 2002 and prior to 1 July 2004.
    - (c) A minimum score of 95 in aptitude area ST on ASVAB tests administered on and after 1 July 2004.
    - (d) Personnel reclassified into MOS 12Y/21Y from MOS 21L as part of the force structure MOS merger effective 30 September 2008 is granted a waiver of this requirement.
    - (e) A minimum score of 100 in aptitude areas ST and GT in Armed Services Vocational Aptitude Battery (ASVAB) tests administered on or after 1 May 2012.
    - (f) A minimum OPAT score of Standing Long Jump (LJ) – 120 cm, seated Power Throw (PT) – 0350 cm, Strength Deadlift (SD) – 0120 lbs. and Interval Aerobic Run (IR) – 0036 shuttles in Physical Demand Category “Moderate” (Gold).
  - (6) Successfully completed (and be able to show proof of credit by official copy of transcript) 1 year of high school algebra or geometry, or equivalent.
  - (7) Security Eligibility:
    - (a) A security eligibility of SECRET is required for the initial award and to maintain the MOS. Personnel reclassified into MOS 12Y/21Y from MOS 21L as part of the force structure MOS merger and who do not possess a security eligibility of SECRET or higher, must apply for a SECRET security eligibility no later than 180 days from the effective merger date of 30 Sep 2008. Failure to do so could result in mandatory re-classification for loss of MOS qualification or denial of reenlistment eligibility in MOS 12Y/21Y.
    - (b) Prior to October 2011, Soldier must meet SECRET security eligibility requirements to be awarded and maintain this MOS.
    - (c) Effective October 2011, the Soldier must meet TOP SECRET (TS) and Sensitive Compartmented Information (SCI) access eligibility requirements to be awarded and retain this MOS. For clearance requirements to attend training, refer to the Army Training Requirements and Resources System (ATRRS).
    - (d) Effective 1 March 2009 all new non-prior service accessions into MOS 12Y/21Y require a TS/SCI security eligibility. To begin training, interim TS with SCI access must be granted from the Central Clearance Facility (CCF). Soldiers in the Delayed Entry Program (DEP) on or before 1 March 2009 with contracts for entry on and after 1 March 2009 are excluded from this requirement and will be processed as in-service personnel per paragraph 7(e) below.
    - (e) Requirement for a TS/SCI security eligibility is effective 1 October 2011 for all Soldiers holding MOS 12Y/21Y who entered service prior to 1 March 2009 or were in the DEP per paragraph 7(d) above. Soldiers will submit SSBI packets requesting TS/SCI eligibility as soon as possible but no later than 1 October 2009 to meet the 1 October 2011 full implementation date for possessing a TS/SCI security eligibility.
    - (f) Effective 1 March 2009, in-service Soldiers recruited into MOS 12Y/21Y, while not currently required to possess more than a SECRET eligibility, will submit SSBI packets requesting TS/SCI eligibility determination during their reenlisting processing.
  - (8) Formal training (completion of MOS 12Y course conducted under the auspices of the U.S. Army Engineer School) is required. Personnel reclassified into MOS 12Y/21Y from MOS 21L as part of the force structure MOS merger effective 30 September 2008 who have not completed 12Y (AIT) 1 Oct 2014 will automatically be reclassified needs of the Army.
  - (9) A U.S. citizen.
- c. *Additional skill identifiers.* (Note: Refer to table 12-8 (Listing of universal ASIs associated with all enlisted MOS)).
- (1) B9--Bradley Fighting Vehicle (BFV) (personnel only).
  - (2) P6--Project Management (Skill level 2 thru 5 for personnel only).
  - (3) R7--Army Reconnaissance (Skill level 3 and above personnel only).

(4) Y2--Transition.

d. *Physical requirements and standards of grade.* Physical requirements and SG relating to each skill level are listed in the following tables:

(1) *Table 10-12Y-1.* Physical requirements.

(2) *Table 10-12Y-2.* Standards of grade TOE/MTOE.

(3) *Table 10-12Y-3.* Standards of grade TDA.