WORK ROLE: 29AD

WORKROLE TITLE: GEOINT Analyst (Geodetic Survey)

WORKROLE DESCRIPTION:
GEOINT Analysts (Geodetic Survey) collect geodetic and geophysical data and reduce them to precise positions and gravity measurements. They use and maintain a variety of survey equipment used in data collection. They compute, adjust, and evaluate data acquired by other organizations. They provide technical expertise on geodetic and geophysical issues to customers and represent NGA in external community forums that establish DoD and Intelligence Community doctrine and policy.

COMPETENCIES/KNOWLEDGES:

Skills

Adaptability	Advising/Consulting	Coordinate Systems Analysis
Courage	Creative Thinking	Customer Service
Data Analysis	Data Evaluation and Acquistion	Engaging and Collaborating
Equipment Maintenance	Ethics	Exploring Alternatives
Field Surveying	Geometric Analysis	Geophysical Analysis
Influencing	Initiative	Interpersonal Skills
Leadership	Learning	Multi-media Communication
Oral Communication	Organizational Representation	Process Analysis & Improvement
Quality Assurance	Research/Information Gathering	Resource Management
Situational Awareness	Statistical Analysis	Synthesis
Technical/Specialized Writing	Written Communication	

Knowledges

Convent surveying SW capab	Convent surveying eqmt techs	Customer requirements
Data collect & accuracy rqmts	Field surveying techniques	GIS concepts & operations
GPS data reduction techniques	GPS surveying equip techniques	Geodet survey plan/techniques
Gradiometry prncpls & analysis	Instrument shipping plcy&prcds	Mil installt protocol/sec prcd
NGA & State Dept intnl agrmts	NGA mission, vision, etc.	NGA organizational structure
NGA policies & procedures	Network adjustment SW capabili	Project management techniques
Release and disclosure policie	Security class and control	Survey data reduction prcds
Survey instrument testing		

EDUCATION/LICENSES/CERTIFICATIONS:
A. Education: Bachelor's degree in Geodesy, Mathematics, Physical Science, or a related discipline that includes at least 30 semester (45 quarter) hours of coursework in any combination of Astronomy, Cartography, Computer Science, Engineering Science, Geodesy, Geology, Geomatics, Geophysics, Geographic Information Systems, Mathematics, Meteorology, Orbital Mechanics, Photogrammetry, Physical Science, Physics, Remote Sensing, or Surveying. Coursework must include differential equations and integral calculus. -OR- B. Combination of Education and Experience: A minimum of 30 semester (45 quarter) hours of coursework in any area listed in option A plus experience that demonstrates the ability to successfully perform the duties associated with this work. As a rule, every 30 semester (45 quarter) hours of college work is equivalent to one year of experience. Candidates should show that their combination of education and experience totals 4 years. -OR- C. Experience: Six years of experience in conducting work related to Civil Engineering, Geodesy, Geophysics, Geotechnical analysis, Surveying, or related experience. Classification as a Professional Engineer or Land Surveyor is highly desirable.

ENVIRONMENTAL/PHYSICAL REQUIREMENTS:

Repetitive physical tasks	Distinguish principal colors and shades/hues of principal colors
Working around excessive noise, intermittent	Far visual acuity of 20/20 or better binocular with or without corrective
Working around machinery with moving parts	Near visual acuity of 20/40 or better with or without corrective lenses
Working around slippery or uneven walking surfac	
Working below ground	