WORK ROLE: 32AE

WORKROLE TITLE: GEOINT Analyst (Analytic Methodologist)

WORKROLE DESCRIPTION:
 GEOINT Analysts (Analytic Methodologist) are experts in the application of mathematical techniques for spatio-temporal
 analysis to solve complex military and intelligence problems in support of national security. They use analytic tools
 and techniques such as GIS, quantitative methods and data visualization, modeling, systems analysis, comparative
 analysis, and database development. They provide technical input into the development, evaluation, use, and deployment
 of solutions and improvements to optimize GEOINT analysis and production. They also educate management and analysts in
 quantitative methods as they apply to GEOINT analysis.

ODNI CORE COMPETENCIES FOR ALL EMPLOYEES OF THE INTELLIGENCE COMMUNITY:

Adaptability	Build Professional/Tech Netwks	Continual Learning
Creative Thinking	Enterprise Perspective	Exploring Alternatives
Influencing/Negotiating	Information Sharing	Interpersonal Skills
Multi-media Communication	Oral Communication	Policy & Directives
Resource Management	Situational Awareness	Synthesis
Written Communication		

WORKROLE FUNCTIONAL COMPETENCIES:

Skills

Advising/Consulting	Analytical Innovation	Customer Rqmts & Service
Data Analysis	Data Management	Data Preparation
Distance Analysis	Extraction & Attribution	Geometric Analysis
Information Dissemination	Information Gathering & Resch	Intel Conclusion Development
Map Algebra	Models & Simulations	Movement Analysis
Multi-Criterial Sptl Analysis	Network Analysis	Organizational Representation
Process Analysis & Improvement	Quality Assurance	Spatial Interpolation
Statistical Analysis	Tech Dev, Eval, & Exploitation	Temporal Analysis
Topographic Analysis	Workflow Dev & Mgmt	

Knowledges

Analytical Prcss & Tchnqs	Change Detection Techniques	Collection & Tasking Prncpls
Data Evaluation Principles	Data Mining Techniques	GEOINT Doctrine
GIS Principles	GIS Software	Geo-Location Techniques
Geog-cul/soc/eco/pol/phys/reg	Geospatial Intel Products	Geostatistical Methods
Grids, Proj, Datum, Coords	Heuristic Modeling	Image Interpretation Prncpls
Indicat & Warn Prncpls & Meth	Intel Coord Prcts & Prcds	Intelligence Issues
Mathematical Modeling	NGA Org, Mission, & Vision	NGA Products & Services
Network Types	Order of Battle	Phenomenology
Raster Analysis Techniques	Remote Sensing	Sampling Tchnqs & Meths
Sensor Modalities	Statistical Software	Structured Analytic Techniques
Technical/Military Terminology	Terrain Modeling Principles	Textual Data Sources
Trend Analysis Techniques	Vector Analysis Techniques	Visualization Tools
Weapons Systems Technology		

EDUCATION/LICENSES/CERTIFICATIONS:
 A. Education: Bachelor's degree in Applied Mathematics, Geographic Information Science, Geography, Physical Science,
 Operations Research, Statistics, or a related discipline. -OR- B. Combination of Education and Experience: A minimum of
 24 semester (36 quarter) hours of coursework in any area listed in option A and an additional 6 semester (9 quarter)
 hours of college level non-business mathematics or statistics (e.g. college algebra, trigonometry, calculus, inferential
 statistics) plus experience working as an Intelligence Analyst or in a closely-related field that demonstrates the
 ability to successfully perform the tasks 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.

ENVIRONMENTAL/PHYSICAL REQUIREMENTS: