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WORK ROLE: 29AL

WORKROLE TITLE: GEOINT Analyst (Geodetic Earth Sciences)

WORKROLE DESCRIPTION:

GEOINT Analyst (Geodetic Earth Sciences) analyze the Earth's gravity and magnetic fields, geophysical structure, material properties, and dynamics for geospatial intelligence and DoD applications. They define and maintain the World Geodetic System (WGS), perform datum transformations between WGS84 and local datums, and develop spatial and temporal models defining Earth systems. They provide in-depth technical expertise on Geodetic and geophysical issues to internal and external customers and represent NGA in external community forums establishing DoD and IC doctrine and policy.

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	Algorithm Development	Coordinate Systems Analysis
Customer Rqmts & Service	Data Management	Datum Transformation
Geometric Analysis	Geophysical Analysis	Geotechnical Modeling
Information Dissemination	Information Gathering & Resch	Magnetic Model Analysis
Quality Assurance	Statistical Analysis	

Knowledges

Analytical Prcss & Tchnqs	Calculus	Cartographic Principles
Collection & Tasking Prncpls	Data Evaluation Principles	Error Propagation Theory
GEOINT Doctrine	GIS Principles	GIS Software
Geod/Geophy Prod Sy (GGEPS)	Geometric Geodesy	Geophysical Field Theory
Gradiometry Prncpls & Analysis	Gravity Modeling Techniques	Gravity Product Gener Prcss
ISO Processes & Procedures	Imagery Types	Intelligence Issues
Linear Algebra	Mathematical Software	NGA Org, Mission, & Vision
Network Adjustment Software	Physical Geodesy	Quantitative Geology
Reference Frames	Software Programming Languages	World Geodetic System (WGS)

EDUCATION/LICENSES/CERTIFICATIONS:

ENVIRONMENTAL/PHYSICAL REQUIREMENTS: