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WORK ROLE: 16AE

WORKROLE TITLE: GEOINT Analyst (LIDAR Image Science)

WORKROLE DESCRIPTION:

GEOINT Analysts (LIDAR Image Science) analyze point cloud data to derive intelligence and geospatial information. They conduct feature extraction, characterize partially obscured objects, and perform change detection to support or extend analysis. They develop algorithms, evaluate tools, and create customized LIDAR methodologies to address a variety of geospatial intelligence problems.

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 Preparation	Imaging System Diagnostics
Information Dissemination	Information Gathering & Resch	Methodological Continuity
Organizational Representation	Prototyping	Quality Assurance
Scientific Exploit & Analysis	Scientific Image Manipulation	Technology Evaluation
Verification & Validation		

Knowledges

AGI Methods, Tools, & Tchnqs	Advanced Coll & Exploit Tchnqs	Analytical Prcss & Tchnqs
Atmospheric Physics	Collection & Tasking Prncpls	Data Evaluation Principles
GEOINT Doctrine	GIS Principles	Image Interpretation Prncpls
Imagery Access Sys & Libraries	Imagery Intelligence Products	Imagery Science Sys & Tools
Intelligence Issues	LIDAR Data	NGA Org, Mission, & Vision
NGA Products & Services	Nat Intel Prior Frame (NIPF)	Phenomenology
Quantitative Modeling Tchnqs	Sensor Design Technologies	Sensor Fusion
Sensor Processing Cap & App	Software Test Prncpls & Prcds	Stat & Mathematical Tchnqs

EDUCATION/LICENSES/CERTIFICATIONS:

ENVIRONMENTAL/PHYSICAL REQUIREMENTS: