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WORK ROLE: 23AQ

WORKROLE TITLE: Scientific and Technical Program Manager

WORKROLE DESCRIPTION:

Scientific and Technical Program Managers are responsible for planning and managing the resources and work associated with a series of projects linked by a common goal or problem resolution. They apply technical management expertise to develop program schedules, determine resource requirements, mitigate risk, provide technical guidance and oversight, and report results. They brief programs to senior managers and external oversight entities (e.g., community management, HPSCI) and defend resource allocations. They likely serve as COR.

COMPETENCIES/KNOWLEDGES:

Skills

Adaptability	Budget Management	Courage
Creative Thinking	Engaging and Collaborating	Ethics
Exploring Alternatives	Influencing	Initiative
Interpersonal Skills	Leadership	Learning
Mediation	Multi-media Communication	Negotiation
Oral Communication	Organizational Representation	Process Analysis & Improvement
Project Management	Resource Management	Situational Awareness
Strategic Planning	Synthesis	Technical Advising
Technical Requirements Develop	Technology Evaluation	Technology Insertion
Written Communication		

Knowledges

BES/IBES process	Budget principles & practices	Contracting regs, plcy & prclds
Cost-benefit analysis	DoD org structure, mission	Measrmt cncpt/prins (metrics)
NGA budget process	NGA customers	NGA developmental rqmts prcss
NGA financial policy & prclds	NGA mission, vision, etc.	NGA organizational structure
NGA policies & procedures	NSGI community	National security objectives
Security class and control	Technical development trends	

EDUCATION/LICENSES/CERTIFICATIONS:

A. Education: Bachelor's degree in Engineering, Engineering Mathematics, Management, Mathematics, Physical Science, or a related discipline that includes 24 semester (36 quarter) hours in Physical Science and/or a related Engineering Science. Such coursework includes, but is not limited to, Astronomy, Cartography, Chemistry, Computer Science, Dynamics, Electrical Engineering, Geodesy, Geology, Geophysics, Geospatial Information Systems, Mathematics, Orbital Mechanics, Photogrammetry, Physics, Remote Sensing, or Surveying. Although not mandatory, coursework in differential and integral calculus is preferred. -OR- B. Combination of Education and Experience: A minimum of 24 semester (36 quarter) hours of college education in any areas 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 to 4 years.

ENVIRONMENTAL/PHYSICAL REQUIREMENTS: