

POSITION DESCRIPTION (Please Read Instructions on the Back)

1. Agency Position No.
NL11674

2. Reason for Submission <input checked="" type="checkbox"/> Redescription <input type="checkbox"/> Reestablishment	3. Service <input type="checkbox"/> Hdqtrs. <input checked="" type="checkbox"/> Field	4. Employing Office Location Orlando, FL	5. Duty Station Orlando, FL	6. OPM Certification No.
<input type="checkbox"/> New <input type="checkbox"/> Other	7. Fair Labor Standards Act <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt	8. Financial Statements Required <input type="checkbox"/> Executive Personnel Financial Disclosure <input type="checkbox"/> Employment and Financial Interests		9. Subject to IA Action <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Explanation (Show any positions replaced)				
10. Position Status <input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Excepted (Specify in Remarks) SES (Gen.) <input type="checkbox"/> SES (CR)	11. Position is: <input type="checkbox"/> Supervisory <input type="checkbox"/> Managerial <input checked="" type="checkbox"/> Neither	12. Sensitivity <input type="checkbox"/> 1 - Non-Sensitive <input type="checkbox"/> 3 - Critical Sensitive <input checked="" type="checkbox"/> 2 - Noncritical Sensitive <input type="checkbox"/> 4 - Special Sensitive	13. Competitive Level Code 13DZ/ZD/EZ/ZE	
14. Agency Use				

15. Classified/Graded	Official Title of Position	Pay Plan	Occupational Code	Grade	Initials	Date
a. U.S. Office of Personnel Management						
b. Department, Agency or Establishment	Interdisciplinary Position:					
c. Second Level Review	Computer Engineer, Electronics Engineer,					
d. First Level Review	Operations Research Analyst, Computer Scientist	GS	0854/0855 1515/1550	13		
e. Recommended by Supervisor or Initiating Office						
16. Organizational Title of Position (if different from official title)		17. Name of Employee (if vacant, specify)				

18. Department, Agency, or Establishment Department of the Army (DA)	c. Third Subdivision Directorate for Research and Engineering Management (E)
a. First Subdivision U.S. Army Materiel Command (AMC)	d. Fourth Subdivision Advanced Simulation Concepts Division (ED)
b. Second Subdivision Simulation, Training & Instrumentation Command (STRICOM)	e. Fifth Subdivision
Signature of Employee (optional)	

19. Employee review - This is an accurate description of the major duties and responsibilities of my position.

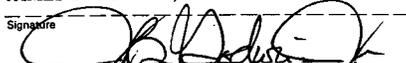
20. Supervisory Certification. I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.

a. Typed Name and Title of Immediate Supervisor Edwin A. Trier, Dir for Res and Engr Mgt Directorate	b. Typed Name and Title of Higher-Level Supervisor or Manager (optional)
Signature 	Signature
Date 2/28/00	Date

21. Classification/Job Grading Certification. I certify that this position has been classified/graded as required by Title 5, U.S. Code, in conformance with standards published by the U.S. Office of Personnel Management or, if no published standards apply directly, consistently with the most applicable published standards.

22. Position Classification Standards Used in Classifying/Grading Position
USOPM PCS GS-0854, Computer Engr, GS-0855, Electronics Engr, GS-1515 ORSA, GS-1550 Computer Scientist; GEG for Nonsupervisor Professional Engineers

Typed Name and Title of Official Taking Action
JAMES B. GODWIN, COL. CHIEF OF STAFF

Signature 	Date 3/8/00
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Information for Employees. The standards, and information on their application, are available in the personnel office. The classification of the position may be reviewed and corrected by the agency or the U.S. Office of Personnel Management. Information on classification/job grading appeals, and complaints on exemption from FLSA, is available from the personnel office or the U.S. Office of Personnel Management.

23. Position Review	Initials	Date								
a. Employee (optional)										
b. Supervisor										
c. Classifier										

24. Remarks
Position is at full performance.
BUS: 7777

Introduction:

Position is located in the Advanced Simulation Concepts (ASC) Division within the Directorate of Engineering of the Simulation, Training and Instrumentation Command (STRICOM), a major subordinate command of the U.S. Army Materiel Command (AMC). The mission of STRICOM is to provide centralized management and direction for all research, development, acquisition and fielding of Army training devices, simulations and simulators, instrumentation, targets and threat simulation and Distributed Interactive Simulation (DIS). The Commander centrally directs, coordinates and supports the materiel development, acquisition and sustainment activities through the matrix organization and four Project Managers. The ASC Division performs concept formulation, feasibility analysis and technical contract management of projects that span the complete spectrum of Simulation and Modeling for Acquisition, Requirements and Training (SMART) projects assigned to STRICOM. One particular focus of simulation project activity within this ASC Division requires technical knowledge of Command, Control, Communications, Computers and Intelligence (C4I) systems. The duties performed by the incumbent will include system engineering required to support the concept exploration, acquisition and life cycle management of STRICOM C4I simulation systems which involves the design, integration, test and management of complex systems composed of simulation hardware, software and respective weapon system interfaces.

Major Duties:

Provides technical evaluation of contractor's performance and is the technical lead for the Government's acquisition team, responsible for all technical progress/design reviews, acceptance testing and technical interchange meetings with contractors. Serves as the Contracting Officer's Representative (COR), provides technical guidance and clarification to contractor on Work Statement (WS), specification and Contract Data Requirements List (CDRL) and takes corrective action when required. Consults with Subject Matter Experts (SMEs) to obtain technical guidance relating to on going projects. Addresses contractor's needs, questions and change proposals regarding technical, cost and schedule risks. Ensures that projects are within established resource limits and remain on target with milestone schedules. Keeps engineering and project management, users and other team members informed of project status. Provides technical requirements continuity from concept through design, test and acceptance.

30%

As a member of a project team, prepares technical sections of acquisition packages (Request for Proposal - RFP) for assigned projects which includes technical performance and verification specifications, WS, CDRL, contract schedule and proposal evaluation plan. Supports the defense or justification of acquisition packages to the acquisition authority. Evaluates contractors' proposals for technical content, applicability to RFP, value and schedule impact. As a member of the evaluation team, prepares proposal evaluation reports; defends and justifies for acquisition authority. Clarifies and evaluates contractor final proposals and makes recommendation to acquisition authority for award of contract. Serves as the technical lead on concept formulation effort by performing or managing the required engineering functions to explore and formulate materiel concepts for STRICOM's systems in accordance with the using organization's operations requirements document. Reviews, analyzes, and clarifies requirements and documentation through formal and informal meetings and discussions with SMEs. Conducts market surveys, feasibility analysis and basis for make/buy decisions. Prepares trade-off determinations (TOD), trade-off analysis (TOA), best technical approach (BTA), coordinated tests plan (CTP), decision documents and associated resource and budget estimates. Coordinates through meetings and discussions with various user representatives the STRICOM position with rationale to attain a mutually agreeable best technical approach. Leads the technical analysis and implementation of proposed Engineering Change Proposals (ECPs).

45%

Serves as SME providing advice, consultation and technical documentation (synopses and point papers) to engineers, project directors and management on technical specialty areas focused on C4I requirements engineering, command and control tactics, distributed processing, and communications (analog, digital and networks). This SME role must also include collateral awareness of lasers, electro-optics, visual simulation (displays, data base modeling and image renderings), instrumentation, ranges and targets, computer systems and testing of components, subsystems and systems. Evaluates and executes Small Business Innovation Research (SBIR), Advanced Concepts and Technology Phase 2 (ACT II), and Broad Agency Announcements (BAA) proposals related to virtual, constructive and live simulation. Analyzes technical, cost and schedule risks. Supports the BAA, ACT II, SBIR development as the subject matter expert. Supports the development of the long-range technology program plan for STRICOM. Evaluates and executes technology base proposals related to virtual, constructive and live simulation/simulators. Analyzes technical, cost and schedule risks. Monitors resources and develops efforts of awarded proposals. Reviews industry's

Independent Research and Development (IR&D) and makes recommendations on applicability to the STRICOM mission.

25%

Performs other duties as assigned.

Factor 1. Knowledge Required by the Position

Knowledge of C4I simulation systems engineering, operations research analysis, computer software and hardware principles to support the acquisition and life cycle management of electronic, computer based military systems or simulation, simulators, training systems and instrumentation projects.

Knowledge of Department of Defense (DoD) materiel acquisition process, specifically the application of DoD 5000 series of regulations and AMC materiel acquisition practices including materiel release to support the acquisition of electronic, computer based military equipment or simulations, simulators, training systems and instrumentation projects.

Ability to analyze statistical and performance data to perform market surveys, risk analysis, trade-off studies, baseline cost estimates and reliability, availability, maintainability (RAM) analysis needed to support the materiel acquisition decision making process.

Knowledge of the application of current engineering technology, as identified for SMEs, to advise on the conceptual design of electronic computer based military equipment of simulation, simulators, training systems and instrumentation projects.

Factor 2, Supervisory Controls

Incumbent works under general supervision of assigned Division Chief who provides policy guidance and assignments in terms of broad, general objectives. Incumbent exercises responsibility for technical decisions, planning and administering assigned responsibilities and managing resources. Supervisor accepts authoritative determinations not in conflict with established policies and basic procedures. Work is reviewed in terms of overall effectiveness, adherence to policy, consistency with related programs and attainment of objectives.

Factor 3, Guidelines

Guidelines include DoD, Department of the Army (DA), AMC and local regulations and policies. Guidelines are frequently inadequate, inapplicable, and/or controversial; therefore, judgment, initiative, originality, and skill must be utilized by

the incumbent to apply changing and emerging technology and flexible acquisition procedures to various project assignments.

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Factor 4, Complexity

The projects assigned to the incumbent involve real time interactive simulation and simulator systems and must bring together a number of unrelated state-of-the-art technologies and systems into a cohesive, affordable and practical solution. Incumbent provides input to projects containing a variety of features being performed by engineers and scientists, logisticians, analysts, contract specialists, private industry, contractors and user representatives. Incumbent must develop new approaches to solve a variety of technical problems.

Factor 5, Scope and Effect

The purpose of the work is to develop an effective simulated environment for training, instrumentation and analysis of combat readiness and the effect of new combat weapon systems. The work affects DoD's ability to train, deploy and fully utilize military personnel during combat operations.

Factor 6, Contacts and Factor 7, Purpose of Contacts

Contacts are with high level management, private industry contractors and other professionals within and outside of the agency. Contacts also include representatives of domestic and foreign governments.

The purpose of the contacts is to coordinate work efforts; resolve questions and problems related to projects, to stay current on evolving technologies and to occasionally persuade others to adopt new technical approaches.

Factor 8, Physical Demands and Factor 9, Work Environment

The work is primarily sedentary. The work is normally performed in an office setting, which is adequately heated, lighted and ventilated.

Special Requirements:

Incumbent must be able to obtain and maintain a 'secret' security clearance.

There is a requirement for frequent travel (perhaps 50% of the time)

NON-CRITICAL ACQUISITION POSITION AMENDMENT TO PD# ML 1474091

"The employee must meet DoD 5000.52-M requirements applicable to the duties of the position."