

**POSITION DESCRIPTION** (Please Read Instructions on the Back)

2. Reason for Submission <input type="checkbox"/> Redescription <input type="checkbox"/> Reestablishment <input checked="" type="checkbox"/> New <input type="checkbox"/> Other		3. Service <input type="checkbox"/> Hdqtrs. <input checked="" type="checkbox"/> Field	4. Employing Office Location ORLANDO, FL	5. Duty Station ORLANDO, FL	1. Agency Position No. <b>NLI0863</b>
7. Fair Labor Standards Act <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt		8. Financial Statements Required Executive Personnel <input type="checkbox"/> Financial Disclosure <input type="checkbox"/> Employment and Financial Interests <input type="checkbox"/>		6. OPM Certification No.	
10. Position Status <input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Excepted (Specify in Remarks) <input type="checkbox"/> 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 1- Non-Sensitive <input type="checkbox"/> 2- Noncritical <input checked="" type="checkbox"/> 3- Critical <input type="checkbox"/> 4- Special <input type="checkbox"/>		9. Subject to IA Action <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
13. Competitive Level Code <b>1419</b>		14. Agency Use			

15. Classified/Graded by	Official Title of Position	Pay Plan	Occupational Code	Grade	Initials	Date
a. U.S. Office of Personnel Management						
b. Department, Agency or Establishment						
c. Second Level Review	<b>INTERDISCIPLINARY</b>					
d. First Level Review	<b>COMPUTER/ELECTRONICS ENGINEER</b>	<b>GS</b>	<b>854/855</b>	<b>14</b>	<b>Bp</b>	<b>18 Feb 98</b>
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 <b>DEPARTMENT OF THE ARMY (DA)</b>	c. Third Subdivision <b>DIR FOR RESEARCH &amp; ENGINEERING MGMT (E)</b>
a. First Subdivision <b>US ARMY MATERIEL COMMAND (AMC)</b>	d. Fourth Subdivision
b. Second Subdivision <b>SIMULATION, TRAINING &amp; INSTRUMENTATION COMMAND</b>	e. Fifth Subdivision

Employee Review — This is an accurate statement of the major duties and responsibilities of my position.

Signature of Employee (optional)

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 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 violation of such statutes or their implementing regulations.

a. Typed Name and Title of Immediate Supervisor <b>EDWIN A. TRIER, DIR FOR RES &amp; ENGR MGMT</b>	b. Typed Name and Title of Higher-Level Supervisor or Manager (optional)
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Signature 	Date <b>2/11/98</b>	Signature	Date
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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

**SERIES DEF: GENERAL ENGINEERING, GS-801; OPM PCS FOR COMPUTER ENGINEER SERIES, GS-854; OPM PCS FOR ELECTRONICS ENGINEER SERIES, GS-855; GEG FOR NONSUPV PROFESSIONAL ENGINEERING POSITIONS**

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										

Remarks

ARMY ACQUISITION EXECUTIVE (AAE) HAS IDENTIFIED THIS POSITION TO BE AN ARMY ACQUISITION CORPS (AAC) CRITICAL POSITION. ANY EMPLOYEE PLACED IN THIS POSITION MUST SIGN A MOBILITY AGREEMENT AND OTHERWISE BE ELIGIBLE FOR AAC MEMBERSHIP. POSITION IS AT THE FULL PERFORMANCE LEVEL.

**BUS: 7777**

25. Description of Major Duties and Responsibilities (See Attached)

## **INTRODUCTION**

This position is located in the Directorate for Research and Engineering management, within the Simulation, Training and Instrumentation Command (STRICOM), a major subordinate command of the U.S. Army Materiel Command (AMC), in Orlando, FL. The incumbent of the position described herein, reports directly to the Director, Research and Engineering Management and is responsible for performing systems engineering functions to ensure that modeling and simulations investments and technology development are consistent with Secretary of the Army, Department of Defense, and International plans and initiatives.

The mission of STRICOM is to provide centralized life cycle management and direction for research, development, production, fielding and sustainment of Army training devices, simulations, and simulators; major instrumentation targets and threats simulation; and Advanced Distributed Simulation (ADS) initiatives.

The incumbent serves as the senior technical advisor to the director and is responsible for planning, organizing, and directing the technical aspects of a broad range of research and development efforts related to Army, multi-service and international goals associated with Army modeling and simulation (M&S) and instrumentation initiatives.

This position is central to the technical soundness, integration and future direction of the Army simulation and instrumentation programs.

Condition of employment is Drug Free. All DoD employees may be subject to drug testing under certain circumstances such as reasonable suspicion.

## **MAJOR DUTIES**

1. Science and Technology Program Direction. (75%)
  - a. Promotes, plans, and provides technical direction for the commands Science and Technology (S&T) Programs. Monitors and assesses technology trends and develops and updates the long range technology program plan for modeling and simulation and instrumentation research and makes proposal and budget inputs into S&T program sponsors. Provides technical oversight of Army and DoD technology programs tasked by the Director to include but not limited to, Technology Base Program, Small Business Innovative Research, Independent Research and Development, Advanced Concepts and Technology II, Historically Black Colleges

and Universities, Cooperative Research and Development Agreements, Advanced Systems Concepts, and Joint Technical Coordination Group.

b. Maintains surveillance over program goals and objectives and continually appraises program progress and accomplishments.

c. Through Division Chiefs, directs the technical and programmatic efforts of military and civilian personnel assigned to the directorate. Evaluates the technical quality of accomplishments, applying scientific and/or engineering knowledge to analyze technical reports, test results and operational reports.

d. Coordinates technology initiatives with STRICOM Program Managers, (PMs), Army Research Laboratory (ARL), MSCs, ARPA, DMSO, and other services.

e. Supports TRADOC understanding of technology advances as potential solutions to battlefield deficiencies and in the preparation of requirements. Directs the preparation of information briefings on Science and Technology program and ensures dissemination of relevant information to higher headquarters.

f. Represents the command at senior technical reviews and meetings including but not limited to the Technology Base Executive Steering Committee Meetings, Army Science and Technology Working Group Meetings, Army Science and Technology Master Plan Meetings, and Defense Technology Area Planning Meetings.

g. Performs reviews of industry Independent Research and Development (IR&D) when requested. Identifies and coordinates opportunities for cooperative agreements with industry and other agencies in the area of M&S technology to compliment and support domestic Technology Transfer activities. Serves as primary point of contact with industry representatives for release of information and guidance on STRICOM's research programs, and guidance on industry participation in the programs sponsored by STRICOM.

h. Participates in appropriate activities of public and private sector that provide the opportunity to achieve technology leveraging and technology transfer objectives. e.g., local government, small business meetings and conferences, or Federal Laboratories Consortium meetings.

i. Interfaces with the Florida High Technology and Industry Council, federal, state, and local governments, the Institute for

Simulation and Training, and other industry and academic representatives to keep informed of their initiatives and to identify leveraging opportunities for STRICOM. Evaluates these opportunities and pursues those which offer pay back in terms of enhancing STRICOM's resources, research and engineering capability, status, and contribution to the public good. Determines and influences appropriate policy in the best interests of the Command.

2. Serves as commands International Point of Contact (IPOC) and technical manager for International Science and Technology (S&T) Programs. (25%)

a. Develops, promotes, and manages the commands International Science and Technology (S&T) programs. Maintains cognizance of foreign Modeling and Simulation capability and maturity via review and analysis of technical requirements and documentation obtained from multiple domestic and international sources and seeks to identify candidate partners and projects for cooperative research and development. Sources include: formal and informal meetings, technical publications, international symposia and conferences, and discussions, presentations and technical interchange meetings with Subject Matter Experts (SMEs) from Ministries of Defense, Research and Development Centers, academia and industry.

b. Establishes and executes International Agreements (IEAs) and Memorandums of Understanding (MOUs); participates in international forums such as North Atlantic Treaty Organization (NATO) and American, British, Canadian, Australia (ABCA) working groups, Scientist and Engineer Exchange Programs (SEEP) and foreign liaison officers coordination. Represents the Command on committees and working groups comprised of international government or industry representatives and on special task forces that address training and education.

c. Provides results of technical investigations in the form of reports and briefings which present findings and issues coupled with technical recommendations which may result in formalization of an international cooperative program dependent upon tasking and researching by the Director of Engineering, or other sources.

d. Develops strategy and plans for execution of international cooperative programs by identifying appropriate existing international agreements and when necessary drafts and coordinates staffing and approval of new agreements. Negotiates and establishes work plans and cost sharing with international partner or partners.

e. Chairs the Command's International Agreements Integrated Project Team (APED) and serves as STRICOM liaison to AMC International Cooperative Programs Activity Office for International Cooperative Programs.

f. Executes duties and responsibilities of Technical Project officer on existing Data Exchange Agreements (DEA) with France, Germany, Netherlands and the United Kingdom, and related NATO working groups.

g. Provides technical advice and direction to the commands, Foreign Disclosure Officer (FDO).

## **FACTORS**

### FACTOR 1 - KNOWLEDGE REQUIRED BY THE POSITION

1. Extensive and authoritative knowledge of Modeling and Simulation (M&S) and Science and Technology (S&T) research programs and processes; defense acquisition processes and international programs management including NATO structure, organization and simulation initiatives.

2. Demonstrated detailed technical knowledge of advanced distributed simulation technologies and architecture, their interrelationships and applications. Demonstrated ability to manage and influence ADS programs.

3. Comprehensive knowledge of STRICOM's products, research initiatives, organization and capability and other Army, DoD and international laboratories, their missions and capabilities.

4. Demonstrated ability to communicate both orally and in writing, and ability to interface effectively with individuals and groups of differing backgrounds at all technical and management levels. Tact and diplomacy to influence others in accepting ideas/proposals essential to the accomplishment of the STRICOM mission.

5. Must possess interpersonal skills in order to initiate and cultivate relationships with individuals internally in addition to representatives from industry, academia, and other Federal and foreign government agencies.

6. Skill, ability, and vision to evaluate research proposals for technical merit to determine whether they may be applied successfully to meet stated STRICOM objectives.

7. Ability to evaluate the suitability of a potential partner for cooperative research and development in terms of factors such

as the organization's ability to contribute resources to the joint endeavor resulting in a pay back to the United States government as a result of the partnership.

8. Knowledge of domestic and international policy, budget and research guidelines governing 6.2 funding and programs.

#### FACTOR 2 - SUPERVISORY CONTROLS

This position is under the general administrative supervision of the STRICOM Research and Engineering Management Directorate. The incumbent will independently execute the assigned tasks, selecting appropriate approaches and methods and has wide latitude for innovation. Incumbent exercises broad authority for technical decisions, planning and administering of assigned responsibilities and managing resources. Recommendations made by the incumbent are generally accepted as authoritative within the bounds of established programs and policy. Work is reviewed in terms of overall effectiveness, adherence to policy, consistency with related programs and attainment of objectives. The incumbent is expected to work with a high degree of independence and is responsible for the quality and accuracy of the work.

Priority of work is determined by the incumbent in the context of DoD policy, urgency, and potential pay back resulting from the work. Due to the knowledge and acumen of the incumbent, communications are commonly carried out without supervision or direction. The incumbent has full authority and responsibility to accomplish assigned projects and is held fully accountable for their success.

#### FACTOR 3 - GUIDELINES

The incumbent is guided by DoD, joint, and service policies, requirements and procedures. Incumbent uses experienced judgement to make decisions and take actions required within major policy guidelines. Problems addressed are highly complex and unique. Incumbent applies extensive extrapolation, individual judgement and innovation in establishing program initiatives, related goals and objectives and implementation procedures.

#### FACTOR 4 - COMPLEXITY

The duties require analyses, development of innovative policies, strategies, and approaches for International Cooperative Programs and successful Technology Transfer. Each task represents a unique opportunity, which typically will involve coordination with many representatives from several organizations and integration of complex simulation technologies. The incumbent

must use a combination of analytic, technical, management, and interpersonal skills to achieve the desired advocacy and support for the programs. The duties involve managing the work of individuals with varied backgrounds and supporting a number of objectives and sponsors.

#### FACTOR 5 - SCOPE AND EFFECT

The incumbent must provide a broad and deep technical ability in M&S Technologies in order to achieve the STRICOM goal as a world leader in M&S technologies and services. The incumbent must sustain a detailed knowledge of rapidly evolving technologies within the information technology and M&S domains and have the ability to identify emerging trends in the technologies which have a direct bearing on the successful execution of the STRICOM mission.

Successful performance by the incumbent will result in the development of new simulation standards, systems, and products, some of which will be commercialized, and used on both national and international applications. By leveraging technology development with other nations and through cooperative agreements with industry, valuable tax dollars will be conserved.

#### FACTOR 6 - PERSONAL CONTACTS

Contacts are with senior personnel within DoD, including the office of the Secretary of Defense, representatives from the other military services as well as the Army; senior representatives from industry and from academia; foreign government representatives and other Federal government representatives. The personal contacts will be in both unstructured (conferences and symposia) and structured (formal NATO meetings) settings.

#### FACTOR 7 - PURPOSE OF CONTACTS

Contacts are to explore, to negotiate, and to implement new projects in the area of Advanced Simulation and M&S Technology and to promote standards for interoperability of defense simulations. Contacts will define technical objectives, negotiate positions, support higher authority objectives, influence and persuade others regarding technical objectives and policies of the United States. The contacts will frequently take the form of meetings with peers for the purpose of judging the proper course of action in a complex technical area. Contacts are also to establish and maintain working relationships. Represents the Army at key meetings with industry, academia, state, local, and federal and foreign governments during which strategic policies (old and new) and opportunities are discussed, formulated, and implemented.

#### FACTOR 8 - PHYSICAL DEMANDS

The position is sedentary, with the work performed in a typical office environment. Frequent travel is expected to attend international meetings and to interface with representatives from industry, other governmental agencies and academia.

#### FACTOR 9 - WORK ENVIRONMENT

Work is performed in a standard office setting. Travel is required to various operational sites, other offices, laboratories, contractor sites, and conferences. The principal work area is expected to be adequately lighted, heated, and ventilated.

**CRITICAL ACQUISITION POSITION AMENDMENT TO PD#           2963**

"This is a Critical Acquisition Position. Unless specifically waived by the appropriate Army official, the following are statutory requirements (Reference: 10 U.S.C. 1733 - 1737):

- Selectee must be qualified for Acquisition Corps membership at the time of selection or possess a waiver.
  
- Selectee must execute, as a condition of appointment, a written agreement to remain in federal service in this position for at least 3 years. In signing such an agreement, the employee does not forfeit any employment rights, nor does such an agreement alter any other terms or conditions of employment."