



TELECOMMUNICATIONS SPECIALIST, GS-14

PURPOSE OF POSITION AND ORGANIZATIONAL LOCATION:

The primary purpose of this position is: To serve as a Senior Telecommunications Specialist working to define future Nuclear Command, Control, and Communications (NC3) systems and programs in support of DoD's NC3 Enterprise Lead. **The organizational location of this position is: NC3 Enterprise Center (NEC), NC3 Systems Engineering and Integration (SE&I) Division, Fort Meade, MD.**

ORGANIZATIONAL GOALS OR OBJECTIVES:

The organizational goals or objectives of this position are: to be the nucleus of next generation activity across the Nuclear Command, Control, and Communications (NC3) enterprise – driving and energizing a unified coalition of stakeholders from DoD, Industry, and Academia to deliver revolutionary NC3 capabilities that close performance gaps and outpace evolving threats in support of future Nuclear Command and Control and Strategic Deterrence.

DUTY 1: 40% Critical

Plans, develops, and assesses methods, procedures, policies, and techniques governing DoD-wide decisions on telecommunication systems. Provides expert-level technical expertise in assessing emerging technologies and capabilities for the Nuclear, Command, Control, and Communications (NC3) future enterprise DoD wide. Develops technical plans, designs, and specifications for a wide-array of telecommunications systems and capabilities. Responsible for telecommunication matters pertaining to planning, programming, developing/modifying, and complying with national-level telecommunications systems policies and procedures. Makes recommendations to resolve DoD-wide decisions involving difficult and controversial policy issues and unique telecommunication requirements, not covered by established criteria. Develops new and improved operational procedures and techniques for instantiation across the NC3 enterprise. Researches trends and patterns that deviate from traditional methods, and implements/recommends new and/or improved communication methods and procedures for implementation by the Services (Air Force, Navy, and Space Force), and Departmental agencies (e.g., DISA). Assesses innovative technologies being developed by Departmental laboratories (e.g., MIT/LL, SNL, AFRL, etc.) and industry for adoption into the next generation of the NC3 enterprise. Synchronizes technical assessments and future capabilities with the White House Communications Agency (WHCA) and other national-level organizations. Provides technical recommendations to the NC3 Enterprise Center (NEC) Director and the dual-hatted NC3 Enterprise Lead/CDRUSSTRATCOM to drive implementation across the Department of Defense (DoD). Defines next generation vision and incremental architecture approaches that sets conditions for DoD-wide requirements for the Services to deliver warfighting capabilities. Determines whether the Services' investments are delivering/meeting future NC3 requirements and next gen NC3 vision. When required, re-directs investments to



move in another direction based on assessments. Informs and/or recommends changes to senior level leadership across the DoD to change policies to achieve the effect called out for in the National Defense Strategy, and Nuclear Posture Review. Requests Services conduct demonstrations and experimentation to inform future capabilities and/or modify capabilities they're delivering now/or in the pipeline to mitigate emerging threats from our adversaries.

DUTY 2: 25% Critical

Implements telecommunication programs and special projects. Serves as a senior project officer responsible for the successful implementation of various telecommunications programs/projects without technical assistance. Provides guidance to the NEC Director on capabilities, limitations, and peculiarities of the solutions under consideration and makes recommendations on future NC3 capabilities with impact across the DoD. Serves on Senior-level committees and/or planning groups to influence the direction of future systems, requirements, and/or specifications underpinning future NC3 capabilities. Coordinates with OSD, Joint Staff, CCMDs, Services, Agencies, Industry and Academia to ensure synchronization of NC3 telecommunications capabilities and special projects.

DUTY 3: 15% Critical

Prepares budget, technical reports, staff studies, and briefings. Prepares budgetary data (i.e., Rough Order of Magnitude) and justification in support of programs/projects. Develops reports on the contractor's technical quality performance. Prepares correspondence and project status reports for submission to the NEC Director. Investigates and analyzes a variety of unusual telecommunications problems, questions, or conditions associated with formulating studies to improve or alter major telecommunication systems. Prepares studies on improving existing telecommunication systems. Prepares and presents briefings at forums across the DoD. Represents the organization at cross-departmental meetings.

DUTY 4: 10% Critical

Coordinates the preparation of and reviews telecommunications statements of work (SOW). Provides criteria and standards for specialized, difficult, or unusual requirements. Reviews plans, specifications, maintenance requirements, and cost estimates of contracting firms to ensure modernization of communications and computer requirements comply with program goals and objectives. Serves on source selection boards and acts as the technical representative to the contracting officer in negotiation and administration of design contracts. Acts as a technical expert for the contracting officer on dispute claims resolution for contract work. Determines the best approach in terms of cost, system capability, customer requirements, and available technology for projects.

DUTY 5: 10% Critical

Participates in discussions, meetings, committees or special projects and presents briefings and prepares recommendations and reports. Presents clear, concise and well-structured oral presentations that address the designated issues. Identifies problems and attempts to resolve conflicts in a timely manner through persuasive discussions with responsible members in a meeting or working group. Coordinates with working groups, manufacturers, vendors, customers, and engineering/installation personnel. Provides reports and recommendations so that problems and solutions for major segments of a system are resolved without jeopardizing the mission. Prepares reports with recommendations to accept/reject over the counter telecommunications software.



KNOWLEDGES, SKILLS, AND ABILITIES (KSA):

1. Knowledge of a wide range of telecommunications theories, concepts, principles, and practices, procedures, policies, standards, operational requirements; and of operational and performance characteristics of telecommunications to develop procedures/policies/practices.
 2. Knowledge of performance characteristic telecommunications equipment, systems, services, and transmission media to evaluate new devices, proposals, and approaches.
 3. Knowledge of associated methods and techniques such as contracting procedures/legal requirements, cost analyses, and budgets.
 4. Ability to communicate effectively both orally and in writing to identify, direct, or coordinate actions required in providing needed service.
 5. Ability to analyze/apply specialized communication methods and analytical techniques involving telecommunication systems (e.g., systems compatibility, circuits, switches, distribution, satellite linkages, and networking).
 6. Ability to research patterns to develop new methods, criteria, or proposed new telecommunications policies and procedures.
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