

~~TOP SECRET~~

Code 1600

21 Oct 1968

Code 5014

## Position Priority List

Ref: (a) Memorandum 5000-540000, 15 Oct 1968

1. In response to reference (a), following is a list of positions, in order of priority, which has been determined to be necessary for the continued survival and existence of this program.

(A) Technician, Instrumentation, GS-7: Duties for this position include the instrumentation and assembly of receiving and data collection complexes for deployment overseas. The type of equipment in these systems consists of HF receivers, VHF receivers, precision frequency and time standards, servo controls, instrumentation encoders, and display equipment. The technician will work under the supervision of an electronic engineer, and his duties will be assigned by an electronic engineer. Enclosure (1) is a position description for the technician needed. The urgency of the need to fill this position as soon as possible is critical for the program to meet schedule commitments of the next few months cannot be over emphasized.

(B) Engineer, Electronic, GS-7: Duties for this position include the design and development of solid state components in the VHF and Microwave RF regions. Components designed and developed include receivers, transmitters, amplifiers and oscillators. The engineer will work under the supervision of a unit head.

(C) Technician, Electronic, GS-5: Duties for this position include the manufacturing, layout, packaging and testing of electronic circuitry and components designed and developed by an engineer. The circuitry and components include solid state receivers, transmitters, oscillators, and amplifiers in the VHF and Microwave RF regions. The technician will work under the supervision of an electronic engineer and his duties will be assigned by an electronic engineer.

(D) Technician, Logistics, GS-6: Duties for this technician will include the purchasing, receiving, shipping and inventory control of all equipment and equipment requests from the operational field sites. He will be supervised by an electronic engineer and his duties will be assigned by an electronic engineer.

(E) Engineer, Electronic Systems, GS-7: Duties for this position will include the analysis of receiving and data collection systems. He will carry out theoretical analysis on system performance and check results with hardware tests. This analysis will include noise figure analysis, gain-band width analysis of receiving systems, and pulse techniques analysis as they apply to receiver and A to D conversion systems. He will be supervised by an electronic engineer unit head. Requirements for the position are a strong mathematical capability including statistical analysis and computer programming.

~~TOP SECRET~~

~~TOP SECRET~~

#4 (F) Technician, Electronic, Systems, GS-5: Duties for this position include the assembling, testing and measuring of the performance of electronic systems in the development and analysis of data receiving and processing systems. He will also perform calculations and arithmetic analysis of data recorded in the testing of systems. He will be under the supervision of a systems electronic engineer and his duties will be assigned by the engineer. Requirements for the position include some experience with laboratory measuring instruments and a good knowledge of algebra.

#3 (G) Engineer, Electronic, Systems, GS-12: Duties for this position include the design and development of crystal-video receiving systems in the VHF, UHF, and Microwave RF spectrum. The total design and development of the system from the antenna to the video output, and the coordination of any of these systems into a workable package utilizing state-of-the-art components and techniques is the major task of the position. The incumbent will also be supervisor over an other electronic engineer and technicians. He will be supervised by a unit head. Requirements for the position are a minimum of 3 years of crystal-video system design with experience in solid state components including tunnel diode amplifiers. P-22

#3 (H) Engineer, Electronic, Systems, GS-7: Duties for this position include the design and development of crystal video systems utilizing state-of-the-art techniques and components in the VHF, UHF, and Microwave RF spectrum. The incumbent will work in conjunction with his supervisor in the design and development of the total system from antenna to video output. His supervisor will be an electronic engineer who will assign his duties and review his work. P-22

#2 (I) Technician, Electronic, Systems, GS-5: Duties for this position include the assembling, testing, and analysis of tests of crystal video receiving systems in the VHF, UHF, and Microwave RF spectrum. He will utilize the most advanced measurement instruments in these tests. Testing includes measuring the performance of electronic components over temperature and voltage variations. His supervisor will be an electronic engineer and will assign his duties and review his work.

#5 (J) Mathematician, GS-11: Duties of the position include analysis of data utilizing numerical method techniques suitable for digital computer programming. Work will include the solution of non linear simultaneous differential equations using iterative techniques. Also, statistical analysis of data and solutions of equations will be performed. The incumbent will be supervised by a unit head, and his duties will be assigned by him. Requirements for the position are a minimum of 2 years in the area of mathematics described.

#5 (K) Mathematician, GS-7: Duties of the position include analysis of data utilizing numerical methods suitable for digital computer programming. Work will include the solution of non-linear simultaneous differential equations using iterative techniques. Also, statistical analysis of data and solutions of equations will be performed. The position will be supervised by a mathematician and his duties will be assigned by him. Requirements for this position are a 36 in mathematics with a knowledge of computer programming.

~~TOP SECRET~~

~~TOP SECRET~~

#5 (L) Computer Programmer, GS-7: Duties of this position include the developing of software to solve equations developed by mathematicians and electronic engineers. Also, the incumbent will develop software to manipulate large quantities of data. He will be supervised by an electronic engineer or mathematician who will assign his duties. Requirements for the position are a BS in Computer Science or a BS in Mathematics or engineering with a knowledge of FORTRAN and Assembly Language Programming.

#5 (M) Technician, Electronics, GS-7: Duties for the position include the maintenance of a data processing system. This system includes a digital computer and associated peripheral equipment. The incumbent will maintain the digital system in an operational condition by performing both periodic maintenance and trouble shooting procedures when necessary. Requirements for the position include a knowledge of digital logic, and a minimum of one year experience with digital computer hardware.

*being advertised*

*Approved for Release: 2024/06/10 C05027189*

~~TOP SECRET~~

[ ] and 9)

- (2) ENGINEER, ELECTRONIC/ [ ] RF Component Design and Development with emphasis on Superhet and Crystal Video techniques in the frequency range from 70 MHz to 18,000 MHz. Develop Design criteria for Space Application of these systems optimizing long lifetime and minimum power consumption.

~~TOP SECRET~~

1. HANDLE VIA  
SECURITY  
CONTROL SYSTEM ONLY