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Electronics Technician 10

GS-0856-10

NOTE: THE SENTENCE IN PART I DESCRIBING THE PURPOSE OF THE POSITION AND PARTS II AND III IN THEIR ENTIRETY ARE PERMANENT PARTS OF THE LIBRARY AND MAY NOT BE CHANGED OR EDITED IN ANY WAY.

I. INTRODUCTION

Provides highly specialized technical electronics support for scientific or engineering applications.

II. MAJOR DUTIES AND RESPONSIBILITIES

Alters and uses complex technical equipment or software, modifies and conducts complex tests on various types of equipment, and records results. Carries out all phases of maintenance, troubleshooting, installation, operation and testing of a full range of electronic systems up to and including those of considerable complexity. May perform the following: participate in planning laboratory and field tests of equipment; calibrate equipment; redesign new units and devices; instruct others in proper testing techniques. May be involved in the design of equipment and in such capacity obtain data on unusual design characteristics, analyze data for applicability, and/or advise engineers on adaptability of current equipment or the practicability of designing new equipment.

III. FACTOR LEVELS

Factor 1 - Knowledge Required by the Position FL 1-6, 950 pts

Knowledge of the technical methods and specific practices of a narrow aspect of electronics engineering as they apply to assigned specialized areas and applications. Knowledge of the capabilities, limitations, operations and design characteristics of a wide variety of electronic equipment in order to determine the appropriate use and needs for adaptation or alterations as they apply to specific individual circumstances associated with various complex tests. Skill in modifying and adapting equipment sufficient to complete and execute operational testing and analyze results.

Factor 2 - Supervisory Controls FL 2-4, 450 pts

The supervisor, or senior personnel, assigns complete projects or tasks. Joint consultation results in the identification of the impact and scope of the assignment, unusual considerations, priorities and deadlines. Where applications of new/complex criteria and techniques occur, more specific guidance may be provided. Work is reviewed for general adequacy, conformity with project requirements and sound technical judgment.

Factor 3 - Guidelines FL 3-3 275, pts

Guidelines such as operational regulations and procedures, manufacturer and vendor guidance, engineering literature, handbooks, etc., are available but are not completely applicable or there are large gaps in specificity. Incumbent must properly interpret, adapt and apply the guides in making technical decisions.

Factor 4 - Complexity FL 4-4, 225 pts

Performs highly technical duties involving a range of specialized equipment which varies widely in both function and design. Judgment is required to select approaches, methods and techniques used to analyze systems and subsystems, and to identify and integrate components and instruments for their adaptation, maintenance or repair.

Factor 5 - Scope and Effect FL 5-3, 150 pts

The work involves the application of standardized technical solutions to a wide array of conventional situations in conformance with established criteria. The work supports senior technical and professional personnel and impacts on the testing, design, operations and adequacy of entire systems or complete processes.

Factor 6 - Personal Contacts FL 6-2, 25 pts

Contacts are with engineers, scientists, other technicians and support personnel within the organization or in other parts of the agency who work on the same or similar projects. Some contacts occur outside of the agency.

Factor 7 - Purpose of Contacts FL 7-2, 50 pts

The purpose of the contacts is to interpret data and to explain its purpose and significance, to discuss technical requirements of equipment, and to resolve operating and support problems and concerns relative to the unique characteristics of the equipment.

Factor 8 - Physical Demands FL 8-2, 20 pts

The work requires some physical exertion, such as long periods of standing, recurring bending, crouching, stooping or the lifting of moderately heavy objects.

Factor 9 - Work Environment FL 9-2, 20 pts

Work involves regular and recurring moderate risks that may require the use of special safety precautions or devices. The incumbent works around machines, moving parts and other potentially hazardous items.

Total Points = 2165

This position is non-exempt from coverage under the Fair Labor Standards Act.

IV. UNIQUE POSITION REQUIREMENTS

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