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Electronics Technician 11

GS-0856-11

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 support for scientific or engineering operations or research, serving as a specialist in a narrow aspect of electronic engineering.

II. MAJOR DUTIES AND RESPONSIBILITIES

Develops and devises improvements and alterations to complex technical equipment, instruments or software, and/or modifies and conducts complex tests, and/or analyzes results. May perform development work and conduct research by application of established experimental and empirical methods and techniques, interpret results and select or recommend approaches to design problem solutions. May plan, organize and execute a limited project which require the solution of both design and operational problems.

III. FACTOR LEVELS

Factor 1 - Knowledge Required by the Position FL 1-7, 1250 pts

Knowledge of the theories, practices, principles, and concepts of electronics engineering gained through intensive practical applications and experience, and of the capabilities, limitations, operations, design characteristics and functional use of a full range of types and models of electronic equipment and systems. Such knowledge is used to complete and execute testing programs, develop innovative approaches and techniques for specialized applications, modify, adapt and design equipment, systems and instruments and analyze the results of tests.

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 adaption, 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 6-3, 60 pts

Contacts are primarily 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. Contacts also occur with parties outside of the agency such as vendors, contractors and technical representatives.

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 = 2500

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

IV. UNIQUE POSITION REQUIREMENTS

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