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Electronics Engineer 05

GS-0855-05

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

Serves as an electronics engineer providing engineering support to senior technical staff and receiving projects of limited scope and difficulty designed to develop technical engineering competencies.

II. MAJOR DUTIES AND RESPONSIBILITIES

The engineer assists higher graded systems specialists and/or accomplishes limited phases of larger electronics projects assigned to higher graded engineers. Work is designed to provide experience and training in the application of basic engineering and scientific knowledge that characterizes electronics engineering and to relieve higher graded engineers or scientists of routine work. Receives formal and on-the-job training and instruction designed to familiarize the incumbent with technical programs, work techniques and operating procedures of the organization, and to provide experience in the practical application of basic electronics engineering principles, techniques and concepts. Duties typically involve: performing systems maintenance, reviewing technical orders, blueprints and commercial catalogues to obtain information, setting up and conducting tests, taking measurements and preparing or altering drawings and performing engineering calculations.

III. FACTOR LEVELS

Factor 1- Knowledge Required by the Position FL 1-5, 750 pts

Professional knowledge of basic principles and concepts of electronics engineering as would be typically acquired through the completion of curriculum leading to a bachelor's degree and which would enable the engineer to perform trainee-level duties. Knowledge of the function and operation of the unit to which the engineer is assigned. Ability to work with minute tolerances.

Factor 2- Supervisory Controls FL 2- 1, 25 pts

Supervisor assigns work with specific instructions as to what is required and guidance as to reports to be used and probable results. Work is carried out under the close supervision of a higher graded engineer. The supervisor is frequently consulted on matters not specifically covered in the original instruction or guidelines as well as on problems encountered. Work is reviewed in progress and upon completion for technical accuracy and conformance with instructions.

Factor 3- Guidelines FL 3-1, 25 pts

Guidelines include plans and specifications, standard operational procedures and precedents, tables, handbooks, technical bulletins, reports and standard operating criteria. Guidelines are detailed and directly applicable to the assigned work. The incumbent works in strict adherence to guidelines, consulting the supervisor or higher graded engineer for authorization for any deviations.

Factor 4- Complexity FL 4-2, 75 pts

Assignments consist of specific tasks designed to aid the trainee in applying basic principles of electronics engineering. Assignments involve solving simple engineering problems regarding electronic units and are usually the routine and detailed work involved in the projects being conducted by higher graded engineering staff.

Factor 5- Scope and Effect FL 5-1, 25 pts

The purpose of the work is to orient the engineer in the application of the theoretical knowledge gained through education and training. The effect of the work is to assist higher graded engineers in the immediate organization by relieving them of engineering details.

Factor 6- Personal Contacts FL 6-1, 10 pts

Personal contacts are with higher graded engineers and engineering technicians within the immediate organization.

Factor 7- Purpose of Contacts FL 7-1, 20 pts

Contacts are chiefly to gain advice or assistance, to report on the status or results of work and to get information on the condition of existing systems.

Factor 8- Physical Demands FL 8-1, 5 pts

Work is normally sedentary, although bending, climbing, and crawling are necessary on some assignments.

Factor 9- Work Environment FL 9-1, 5 pts

Work is usually performed in an office or laboratory setting.

TOTAL POINTS- 940

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

IV. UNIQUE CHARACTERISTICS

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