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## Mathematical Statistician 12

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### GS-1529-12

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

This position is located in

This full-performance level position applies mathematical methods and techniques to statistical processes, programs or studies.

#### II. MAJOR DUTIES AND RESPONSIBILITIES

Performs a wide range of assignments of considerable difficulty and complexity in field. May perform one or more of the following:

Researches, plans, and implements assigned projects requiring the application of mathematical statistical theory.

Plans and conducts project-related studies, which includes preparing specifications and developing new or modifying existing procedures.

Analyzes and evaluates the accuracy and validity of data. Develops and applies measures/models to resolve problems. Documents results. Makes recommendations.

Ability to develop innovative approaches and techniques for specialized applications sufficient to conduct a variety of mathematical statistical projects and services.

#### III. FACTOR LEVELS

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

Professional knowledge of mathematical statistical theories and methodology to execute and control major statistical projects.

Knowledge of organizational programs, terminology, procedures, and standards to exercise technical authority in significant programs.

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

The supervisor provides general direction. The supervisor and incumbent, in consultation, determine the projects, deadlines, and work to be done. The incumbent keeps the supervisor informed of progress, potentially controversial matters, and matters with far-reaching implications. Completed work is reviewed for technical soundness, adherence to requirements, achievement of expected results, and feasibility of recommendations.

Factor 3 - Guidelines FL 3-4, 450 pts.

Guidelines and precedents that are very general such as agency policy statements and objectives are available; however, they are not applicable to specific assignments without considerable interpretation or adaptation. The

incumbent uses judgment, initiative, and resourcefulness in deviating from traditional methods, using judgment in applying, adapting, and/or developing the methods and policies needed to address unique issues or problems.

Factor 4 - Complexity FL 4-5, 325 pts.

The work consists of duties of marked complexity where precedents are inadequate. Assignments typically involve several phases/aspects concurrently or sequentially. The issues and factors are largely undefined, requiring extensive probing and analysis to determine the exact nature and scope of problems. The employee develops mathematical statistical relationships that are new or significant departures from the previous. The work also may require continuing efforts to originate techniques, concepts, or theories.

Factor 5 - Scope and Effect FL 5-4, 225 pts.

The purpose of the work is to formulate, define, and interpret data. Findings and results may have an important impact on planning efforts, as well as provide a basis for introducing improvements to project-related activities.

Factor 6 - Personal Contacts FL 6-3, 60 pts.

Contacts are with employees throughout the organization who perform work for the assigned programs/projects. Contacts may include employees of other Federal agencies or the general public in a moderately unstructured setting.

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

The purpose of contacts is to plan and implement project assignments, exchange technical information, and resolve problems by motivating individuals or groups working toward mutual goals.

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

Work is primarily sedentary, requiring no special physical demands.

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

The work is performed in a typical office setting.

TOTAL = 2820 pts.

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

#### **IV. UNIQUE POSITION REQUIREMENTS**

(Last Updated: June 12, 2006)

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