

Effective Date: December 8, 1996

STATE OF WISCONSIN
CLASSIFICATION SPECIFICATION

FREQUENCY SPECIALIST

I. INTRODUCTION

A. Purpose of This Classification Specification

This classification specification is the basic authority [under Wis. Admin. Code ER 2.04] for making classification decisions relative to the present and future Frequency Specialist positions found in the Department of Transportation (DOT), Division of State Patrol. This position is devoted to the coordination of frequencies in the Public Safety Radio Service (PSRS) for the State of Wisconsin. Positions allocated to this classification are currently assigned to the Professional Engineering Bargaining Unit per s. 111.825(1)(f)(8), Wis. Stats., as determined by the Wisconsin Employment Relations Commission.

B. Exclusions

Excluded from this classification are the following types of positions:

1. Positions that require a Bachelor of Science degree in engineering or equivalent and require a professional engineer responsibility.
2. Positions which for a majority of the time perform technical program support more appropriately identified by other classification series such as Communication Technician, Electronic Technician, etc., and which involve complex and specialized electronic, electrical, mechanical, or communication functions involving the installation, maintenance, repair, construction or operation of equipment, machines, control systems, instruments or other comparable devices.
3. All other positions which are more appropriately identified by other classification series.

II. DEFINITION

The Frequency Specialist reports to the Deputy Director of the Bureau of Communications in the Division of State Patrol and works under general direction. This position is the expert for statewide safety frequency coordination and is responsible for coordinating frequency license applications in the PSRS for all state and local government agencies. This position selects and assigns suitable frequencies based on engineering studies, negotiates and resolves frequency interference problems for PSRS user agencies, conducts independent inter- and intra-state engineering studies and performs engineering calculations such as height above average terrain, safe harbor table requirements, and effective radiated power, and represents the State of Wisconsin as the expert in matters of frequency selection and resolution of interference problems. This position provides research and interpretation of FCC and FAA rules and regulations. In addition, this position works directly with various agency personnel and management staff statewide, multiple public sector agencies, public safety radio frequency users, public safety communication equipment manufacturers, Wisconsin Interagency Committee on Radio Tower Sites (WICORTS), and professional organizations.

III. QUALIFICATIONS

Specific qualifications for this position will be determined at the time of recruitment. Education required may include a related associate degree or the completion of a related apprenticeship. Training requirements may include work experience with the frequency spectrum. Licensure by the FCC may be required. Knowledge of reading and interpreting frequency license applications engineering studies may be required. Skill in researching and interpreting federal rules and regulations may be required. The amount of knowledge, education, work experience or specific licensure requirements will be based on an analysis of the goals and worker activities of each position.

IV. ADMINISTRATIVE INFORMATION

This classification was created effective December 8, 1996 and announced in CC/SC Bulletin 61 as a result of a requirement for a position to maintain control of frequencies for state emergency use.

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