General Statement of Duties

Performs professional level work monitoring and analyzing aircraft noise and collecting data using various monitoring systems and responses and offers solutions to noise complaints/comments.

Distinguishing Characteristics

This class performs professional level work monitoring and analyzing aircraft noise and collecting data using various monitoring systems and responses and offers solutions to noise complaints/comments. This class is distinguished from the Aviation Noise Abatement Supervisor that performs supervisory and professional level work over noise abatement staff members, provides direction and long range and short term planning, directs policy and procedure development, and acts as a subject matter expert on airport noise mitigation issues and compliance.

Guidelines, Difficulty and Decision-Making Level

Guidelines are generally but not always clearly applicable requiring the employee to exercise judgment in selecting the most pertinent guideline, interpret precedents, adapt standard practices to differing situations, and recommend alternative actions in situations without precedent.

Duties assigned are generally complex and may be of substantial intricacy. Work assignment is performed within an established framework under general instructions but requires simultaneous coordination of assigned functions or projects in various stages of completion.

Employee is responsible for determining time, place, and sequence of actions to be taken. Unusual problems or proposed deviations from guidelines, practices, or precedents may be discussed with the supervisor before being initiated.

Level of Supervision Received & Quality Review

Under general supervision, the employee receives assignments and is expected to carry them through to completion with substantial independence. Work is reviewed for adherence to instructions, accuracy, completeness, and conformance to standard practice or precedent. Recurring work clearly covered by guidelines may or may not be reviewed.

Interpersonal Communication & Purpose

Contacts with the public or employees where explanatory or interpretive information is exchanged, defended, and gathered and discretion and judgment are required within the parameters of the job function.

Level of Supervision Exercised

None

Essential Duties

Operates, monitors and maintains the Noise and Operations Monitoring System (NOMS) which is designed to monitor aircraft noise in the vicinity of the airport and calculate noise exposure performance standards.

Collects data daily from permanent and portable remote noise monitoring terminals and analyzes noise events using various noise metrics, aircraft radar flight tracks, and noise abatement corridors.
Monitors and maps flight tracks in order to analyze trends and impacts of noise mitigation in accordance with the local and national standards and agreements.

Researches and analyzes noise data, prepares technical reports that document the airport’s noise environment and issues related to the city’s intergovernmental agreement. Disseminates the reports to city/department staff, local, state, and federal officials, and other stakeholders.

Responds and provides solutions/information to citizen comments and complaints regarding airport noise programs. Issues and coordinates efforts with other metropolitan area airports on noise compliance issues regarding complaints and noise abatement corridors.

Monitors and maintains a variety of noise model programs, database backups, logs, and relational databases to optimize performance, resource use, data security, and data quality and integrity.

Assists the airport planning office by analyzing airport noise and land use issues, Conducts field monitoring surveys and creates maps for future development and land use for city/department staff, developers, and local, state, and federal governmental agencies.

Provides technical assistance, education and training to staff on NOMS and GIS application issues.

Locates, repairs and calibrates remote noise monitoring terminals. Performs installation and testing of new hardware and software.

Prepares a variety of visual materials including graphics, maps, and charts to synthesize and communicate technical information to a variety of internal and external entities.

Utilizes the Integrated Noise Model (INM) noise modeling software to evaluate aircraft noise impacts by assessing changes in noise impact resulting from new or extended runways or runway configurations, new traffic demand, and fleet mix. Evaluates other operational procedures.

Performs other duties as assigned or requested.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

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<th>Competencies</th>
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<td>Oral Communication – Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to nonverbal cues and responds appropriately.</td>
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<td>Problem-Solving – Identifies problems; determines accuracy and relevance of information; uses sound judgment to generate and evaluate alternatives, and to make recommendations.</td>
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<td>Reasoning - Identifies rules, principles, or relationships that explain facts, data, or other information; analyzes information and makes correct inferences or draws accurate conclusions.</td>
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<td>Teaching Others - Helps others learn through formal or informal methods; identifies training needs; provides constructive feedback; coaches others on how to perform tasks; acts as a mentor.</td>
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Technical Competence - Uses knowledge that is acquired through formal training or extensive on-the-job experience to perform one's job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

Written Communication – Composes, reviews, edits, and issues written materials for diverse audiences and communicates purpose in a succinct and organized manner that is appropriate for context, time, and place.

**Knowledge & Skills**

Knowledge of GIS and NOMS systems, database administration and management methods, including quality control

Knowledge of hardware and software installation, testing and operations for GIS and NOMS applications, remote monitoring stations and long-range passive secondary surveillance radar equipment

Knowledge of federal, state and local laws, regulations, standards and current programs governing airport noise mitigation including National Environmental Policy Act (NEPA) and Federal Aviation Regulation (FAR) parts 36, 91,150 and 161.

**Education Requirement**

Bachelor's Degree in Aeronautics, Aviation Management, or a related field.

**Experience Requirement**

One (1) year of aviation experience in noise mitigation.

**Education & Experience Equivalency**

One (1) year of the appropriate type and level of experience may be substituted for each required year of post-high school education.

Additional appropriate education may be substituted for the minimum experience requirements.

**Licensure & Certification**

By position, requires a valid Driver's License at the time of application.

Licenses and certifications must be kept current as a condition of employment.

**Working Environment**

Subject to varying and unpredictable situations.
Subject to many interruptions.
Pressure due to multiple calls and inquiries.

**Level of Physical Demand**

2-Light (10-20 lbs.)

**Physical Demands**

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Sitting: remaining in the normal seated position.
Reaching: extending the hand(s) and arm(s) in any direction.
Handling: seizing, holding, grasping or otherwise working with hand(s)
Fingering: picking, pinching, or otherwise working with fingers.
Talking: expressing or exchanging ideas by means of spoken words.
Hearing: perceiving the nature of sounds by the ear.
Repetitive motions: making frequent movements with a part of the body.
Far Acuity: ability to see clearly at 20 feet or more.
Near Acuity: ability to see clearly at 20 inches or less.
Accommodation: ability to adjust vision to bring objects into focus.
Color Vision: ability to distinguish and identify different colors.
Lifting: raising or lowering objects weighing no more than 20 pounds, from one level to another.

### Background Check Requirement

- Criminal Check
- Employment Verification
- Education Check
- By position, Motor Vehicle Record

### Assessment Requirement

None

### Probation Period

Six (6) months.

### Class Detail

- Pay Grade: E-812
- FLSA Code: Y
- Management Level: 10
- Established Date: 9/21/2018
- Established By: Lori Schumann
- Revised Date:
- Revised By:
- Class History: