

## Operations & Performance Engineer

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Company: National Airlines

Location: Orlando

Category: other-general

National Airlines, based in Orlando, FL, operates passenger charter service as well as customized military and commercial air cargo carriages worldwide. National Airlines specializes in over-sized, time sensitive, and special handling requirements, utilizing 757-200, 747-400 and A-330 aircraft to accomplish its missions.

**Job Title:** Operations & Performance Engineer

**Location:** Orlando, FL

**Department:** Flight Operations

**Reports To:** VP of Flight Operations

**FLSA Status:** Exempt

**Summary:** The Operations & Performance Engineer develops and administers various engineering tasks for the Flight Operations Department. The Operations & Performance Engineer oversees the Weight and Balance, Fuel Bias, and other company required engineering processes as well as supports the Maintenance and Quality Control Departments in various engineering tasks. This position reports to the Vice President of Flight Operations.

**Essential Functions:**

Manages engineering and development of all Company aircraft Weight and Balance Systems. Weight and Balance Program development may be delegated to other qualified personnel, but the Operations Engineer retains the responsibility and authority for the oversight and accuracy of the programs.

Manages engineering of and/or interface with Airport Analysis Vendors regarding the

regulatory compliance and accuracy of the airport analysis system and data for all Company aircraft. Production of Airport Analysis Data may be delegated to a qualified vendor, but the Operations Engineer retains the responsibility and authority for the oversight and accuracy of the vendor's calculation methodology and data.

Fuel Bias Program development and tracking for accuracy, including tracking of degradation in, and revisions to the Specific Range in the Flight Planning System and aircraft FMS databases to reflect accurate values for each aircraft tail.

Curtailed Envelope development and calculations

Engineering of and interfacing with Flight Planning System vendors regarding the regulatory compliance and accuracy of the flight planning data (takeoff, enroute and airport performance) used by the Company.

Develops Fuel Conservation Guidelines, procedures, and processes, ensuring each is included in appropriate training programs.

Optimizes payloads and continually analyzes opportunities to increase payloads while maintaining appropriate safety margins.

Participates in industry events related to Aircraft Performance (certification and operations), aircraft Weight and Balance issues, and Technical Flight Symposiums

Monitors original equipment manufacturer (OEM) and Vendor Notices and Data Releases. This shall include, but is not limited to Airworthiness Directives, AFM, MEL, Weight, and Balance Manual revisions.

Coordinates both required internal Company manual revisions, and external system revisions related to the above documents, with the responsible individual/entity.

Responsible to report facts and findings to the Vice President of Flight Operations

Coordinates with the Maintenance department and or the CP to ensure the most accurate, efficient, and reliable operating procedures are implemented and utilized.

Assists with day-to-day operational technical problem solving.

Helps to support the Maintenance and Quality Control Departments in various

engineering tasks as directed by the Vice President of Flight Operations.

**Supervisory Responsibility:** No

**Qualifications & Experience:**

Bachelor's degree in an aeronautical science or engineering discipline required.

Master's degree in engineering preferred.

Preferred 2 years of experience in Flight Operations engineering.

Willing to attend industry events for Aircraft performance, Weight, and Balance, Technical Flight Symposiums.

Ability to monitor Original Equipment Manufacturer (OEM) as well as Vendor Data Releases

Proven experience with manual revisions and related documents.

Preferred experience with Weight and Balance Systems and managing control calculations.

Preferred prior experience with Fuel Bias tracking in the Flight planning process.

**Competencies:**

Excellent written and verbal communication skills

Ability to work with all levels of the organization and maintain a working relationship with other departments in various engineering tasks.

Great problem-solving skills.

Time management and organizational skills.

Ability to create and facilitate training programs.

**Travel Requirements:**

0-15% travel is required.

The duties listed above are intended only as illustrations of various types of work that may be performed. The omission of specific statements of duties does not exclude them from the

position if the work is similar, related, or a logical assignment to the position. The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

**National Air Cargo is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, disability, Protected Veteran status, genetic information, pregnancy, or any other legally protected status. We prohibit discrimination in all aspects of employment, including recruitment, hiring, compensation, benefits, training, termination, promotions or other conditions of employment or career development. We take affirmative steps to hire and advance females, racial minorities, Protected Veterans, and Individuals with Disabilities. We offer Reasonable Accommodations where necessary to candidates for employment and to our qualified employees with disabilities.**

*National Airlines also expects all our employees to support and promote our Safety Management System (SMS) Safety Policy and Safety Objectives. Employees at all levels of the organization are encouraged to report safety concerns or hazards without fear of reprisal.*

***National Airlines requires all team members to complete a record in National's Vaccination Tracking Tool. Team Members may opt to provide records documenting their fully vaccinated status or agree to comply with weekly COVID-19 testing and reporting. Requests for medical and religious exemptions for those who cannot be vaccinated will be considered with substantiating documentation.***

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