

# JTA: Working for the Future of Aviation

**JTA provides a full range of technical support for aviation systems planning and design, engineering, and business management to governments, air traffic control providers, and airlines worldwide.**

JTA was founded in 1984 by Gerald L. (Jerry) Thompson, a recognized leader in Aviation. Since that time, JTA has earned the reputation for innovative and quality aviation systems, products, and services that fill the needs of government and industry around the world. Our company has the unique ability to assess requirements effectively and bring to bear comprehensive experience to fulfill the needs of our customers. This ability has resulted in recurring successes with U.S. Federal, State and Local government organizations, foreign departments and agencies, and commercial organizations.

The JTA staff boasts former FAA and US military personnel as well as experienced employees from international aviation authorities, industrial firms, and business and financial organizations. Our aviation-specific expertise includes air traffic controllers and airways facilities specialists, along with systems engineers, computer scientists, systems analysts and graphics specialists. This integrated staff of aviation professionals enables JTA to ably accomplish the most difficult aviation systems planning, design, or engineering projects.

## **Outstanding Management Team**

The JTA management team is led by Kathleen Thompson, President of the corporation and Chairman of the Board of Directors. Mrs. Thompson oversees the day-to-day operations of the organization and leads the business operations group.

Vern Reynolds, Chief Executive Officer, provides the overall technical direction of the organization and as such is involved with every JTA project to assure quality control. Mr. Reynolds is an aviation industry leader with thorough

*JTA is committed to providing outstanding services at exceptional value. Our ability to succeed is dependent upon doing every job well.*

knowledge of U.S. Federal Aviation Administration (FAA) programs, projects, personnel and resources, as

well as international aviation operations.

David Frame, Chief Systems Engineer, leads the Systems Engineering group which concentrates on technical and operational issues. He has a long history of working at a very detailed functional level with most of the FAA major programs. He is well known for his expertise on management, air traffic control, traffic management and system design.

## **ASET® Enhances Staff Capabilities**

To support our worldwide aviation systems planning, design and engineering efforts, JTA has created the ASET Aviation Systems Engineering Toolset. This suite of state-of-the-art system engineering and program management processes, procedures, tools, and laboratories are a unique part of JTA's system engineering methodology. Using ASET, JTA delivers real-world solutions for the complex challenges facing aviation.

## **Excellence through Innovation and Hard Work**

**Jerry Thompson & Associates, Inc.**

**AIRPORT and AVIATION SYSTEMS Planners, Designers, Engineers**



# Aviation Skilled Professionals

**JTA is comprised of personnel with a diverse breadth of education, skills, training, and experience. Our staff are experts in technical and operational fields within the aviation profession. We are able to create multi-disciplinary teams that can solve any ATC related problem.**

JTA has extensive expertise in aeronautical communications, navigation, and surveillance systems, both for the US and internationally. Our staff is comprised primarily of domain-skilled aviation professionals including air traffic controllers, airways facilities engineers, and aviation system engineers. Here is a representative sample of the descriptions of some of JTA staff capabilities.

## **System Engineer**

Our System Engineers have a solid foundation in the education, practices, processes and principles that comprise the engineering and science disciplines. JTA System Engineers are experts in the planning, development, transition and implementation of new systems and technologies. Moreover, JTA System Engineers have specific, direct experience in the design and development of complex airspace systems, such as the US National Airspace System. Our System Engineers have unrivaled experience in the operations and maintenance requirements of airways facilities.

## **Computer Software Engineer**

The JTA Computer Software Engineers have extensive knowledge of software design and development. Our Computer Software Engineers are qualified to provide

state-of-the-art, real-time automation software design and development and are also qualified to perform verification and validation of developer software designs. JTA Computer Software Engineers are experienced in working with airspace systems, designs, and tools.

## **Air Traffic Control Specialist**

JTA features an extensive cadre of Air Traffic Control Specialists with real-world ATC experience, including both civilian and military. Our Air Traffic Control Specialists are all full performance level (FPL) rated in Terminal or En Route air traffic control.

## **Graphics Specialist**

To support the technical production requirements, the JTA Graphics Specialists are fluent in numerous technical drawing and graphics software packages such as AutoCAD, ArcView, and Corel Draw. The JTA Graphics Specialists are able to produce highly accurate and detailed engineering drawings, airspace maps, technical illustrations, and similar drafting products. In addition, our Graphics Specialists are able to produce drawings, maps, and charts for use on the Internet as well as office software such as Microsoft PowerPoint and Adobe Acrobat.

## **System Analyst**

JTA System Analysts perform such tasks as trade-off analysis, alternatives evaluation, and risk assessment. Our System Analysts provide comprehensive requirements definition, from mission needs to system performance. JTA System Analysts deftly perform complex, sophisticated mathematical computational analysis, such as calculating wind-adjusted great circle flight paths and the airspace entry and exit points for the entire flight. Our System Analysts specialize in sophisticated airspace systems, including the US National Airspace System.

## **Aviation Economist**

Our Aviation Economists have specific experience in the overall financial assessment of the impact of implementing airspace systems and technologies. Such assessments include cost/benefit analysis, financial planning for capital improvements, airspace business management, and traffic forecasting.

## **Program Manager**

JTA Program Managers employ sound program management principles including strict cost accounting, project tracking and performance monitoring, schedule controls, status reporting, contract administration, and risk management.

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