



## The Washington Consulting Group, Inc.

### Aviation Group Capabilities Statement – February 2017

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The Washington Consulting Group, Inc. (WCG) is a professional services firm offering providing a wide variety of technical consulting services to public and private sector clients. Our core business is air traffic system management and air traffic controller training which we offer to Air Navigation Services Providers (ANSP) and Civil Aviation Authorities (CAA) around the world; and others as well.

Aviation powers the world economy contributing \$2.7 Trillion to the world Gross Domestic Product (GDP), according to latest statistics for 2014. In the U.S., the civil aviation industry supports 11.8 million jobs, and accounts for \$1.5 trillion in total economic activity, contributing 5.4 percent to U.S. GDP. Air traffic in the U.S. is predicted to grow 2.1% annually for the next 20 years, while global air traffic is predicted to grow 4.5% annually for the same period. Improving and modernizing air traffic system performance is critical to meet operational challenges and insure public safety in the air and on the ground.

WCG has established a solid record of providing innovative, cost-effective solutions within stringent time and budget constraints. Since its inception, the company has enjoyed success and rapid growth by continually pursuing three primary goals:

- To provide high-quality products and services;
- To employ high-quality professionals; and
- To develop long-term, successful client relationships.

All ANSPs require effective strategy and flawless implementation. WCG understands our clients' needs. Our trusted advisor team members address complex issues and adapt strategies to produce creative and innovative solutions.

The professional staff at WCG spans a broad range of career experience from Federal sector senior executives, to private business sector high achievers, to military tacticians and strategists. Each WCG professional possess keen insights into Global Air Traffic Management (GATM) policy, planning, and day-to-day operations. The International Civil Aviation Organization's (ICAO) *Global Air Traffic Management Operational Concept* and the International Air Transport Association's (IATA) *ATM Implementation Roadmap* are principal tools for us in providing solutions and consultations. We are committed to our clients' long-term success and self-sufficiency. They hire us because we are the very best in the business.

WCG Professionals:

- Identify and leverage tools needed to insure safe and efficient flight
- Possess character and reputation for excellence that builds trust
- Have experience at the highest levels of air traffic management that covers the multiple points of decision-making
- Produce real outcomes
- Bring **integrity** to the process

Our team has the expertise to effectively address any management, operational or technical contract requirement in either domestic or foreign settings. As prime contractor, we have experience managing subcontractors. Building alliances within the Team is very important and we always hold Team members accountable for compliance with contract provisions. Our knowledgeable and professional program staff provides oversight in service delivery, ensuring that technical responsibilities are always met and business practices equate to positive results. We have established a solid track record of successful performance in a wide range of efforts, and demonstrated that we have the technical personnel and skilled management staff to effectively manage important client projects.

WCG Demonstrated Performance Areas listed in Table 1 continues to grow as we expand into emerging aviation sector markets. Specific examples and performance details, can be provided upon request. WCG professionals are the very best choice to quickly produce and execute the cost-effective solution our customers demand.

Armando C. Chapelli, Jr.  
President/Chief Executive Officer  
The Washington Consulting Group, Inc.

**Table 1 – WCG Demonstrated Performance Areas**

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| <ul style="list-style-type: none"> <li>• Air traffic control training worldwide - En Route, Terminal, Tower, Ab Initio</li> <li>• Staffing and operating air traffic control facilities</li> <li>• Aviation English language training</li> <li>• Airspace organization and management</li> <li>• Airspace optimization and procedural development and training – RVSM, RNP/RNAV, etc.</li> <li>• Airspace and airport requirement designs that recognize customer and user community aviation system needs through Collaborative Decision Making (CDM)</li> <li>• Airspace &amp; Procedures modeling and development. Sector Design Analysis Tool (SDAT)— Workstation software for ARTCC/TRACON sector design, analysis and analysis</li> <li>• Procedural applications that optimize current equipment while allowing for transition to state-of-the-art technologies</li> <li>• Air traffic control operations, procedures, and systems that will satisfy current and long term growth</li> <li>• Airport approach and departure obstacle clearance analysis</li> <li>• Air traffic control systems engineering, integration, and implementation</li> <li>• Air Traffic Management— requirements definition of operational components including personnel, procedures, equipment, and training</li> <li>• Conduct large scale ATM administrative/operational assessments and audits</li> </ul> | <ul style="list-style-type: none"> <li>• ATC System Effectiveness Analysis</li> <li>• Automated Flight Service Station Operation and Support</li> <li>• Noise Mitigation Strategies Collision risk assessments</li> <li>• Manpower analyses that ensure staffing and training programs are designed to meet operational requirements</li> <li>• ATC operational engineering evaluations</li> <li>• Environmental Analysis</li> <li>• Safety Management System, Quality Assurance and Accident/Incident Investigation</li> <li>• 5-10-20 Year Plans</li> <li>• Infrastructure Assessment</li> <li>• Air Traffic Forecasting</li> <li>• Air Traffic Flow Management - to include demand and capacity balancing, traffic synchronization and conflict management</li> <li>• Aerodrome Operations</li> <li>• Airspace User Operations</li> <li>• Service Delivery Management</li> <li>• Meteorological Information Service</li> <li>• Air Traffic Management Security; ICAO Doc 9985, Air Traffic Security Manual</li> <li>• Civil/Military Coordination and Cooperation - ICAO Circular 330 AN/189 Civil/Military Cooperation in Air Traffic Management</li> <li>• Remote Pilot Operator (RPO/pseudo-pilots) operations, simulation, procedure developme</li> </ul> |
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