



The Washington Consulting Group, Inc.
Aviation Group Capabilities Statement – Aug 2021

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The Washington Consulting Group, Inc. (WCG), founded in 1979 by Armando Chapelli, is a professional Air Traffic Management (ATM) and Aerospace consulting firm, offering a wide variety of technical consulting services to both public and private sector clients. Our core business is air traffic management services, to include any and all aspects of ATM which we offer to Air Navigation Services Providers (ANSP), Civil Aviation Authorities (CAA), military and other aviation authorities as well as airfield operations and maintenance and Spaceport operation, and licensing and certification.

The future of aviation is rapidly changing, with the integration of unmanned aircraft into controlled airspace, commercial space operations, cybersecurity, Artificial Intelligence, use of data, and much more. 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.

WCG consists of a team of aviation professionals with unique substantive expertise in the air traffic management realm and we are poised to support our clients in meeting this ever-changing environment by providing an effective strategy and flawless implementation. WCG understands our clients’ needs and our skilled team of trusted advisors addresses complex issues and adapts strategies to produce creative, innovative solutions.

The professional staff at WCG spans the broad range of career experience. From senior executives in the Federal sector, to private sector high achievers in business, to military tacticians and strategists. The WCG team provides clients with a wealth of experience, personal perspective and positive attitude when providing solutions and consultation for our clients. We are committed to our clients’ long-term success and self-sufficiency.

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. As prime contractor, we have experience managing subcontractors. Building alliances within the Team is very important and we always hold Team members

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accountable for compliance with contract provisions. Our program staff consists of knowledgeable professionals who provide oversight in delivery of services to the client, ensuring that technical responsibilities are always met, and business practices equate to positive results.

Our team can address virtually any management, operational or technical air traffic management requirement in either domestic or foreign settings. Our highly qualified, professional staff has distinguished itself for its knowledge of, and sensitivity to, technical problems and its ability to create practical solutions.

Listed below are some of the areas where WCG can bring value to our customers:

Air Traffic Control Training: PBN, En Route, Terminal, Tower, Ab Initio & English Language	Airspace Organization, Optimization and Procedural Development and training – RVSM, RNP/RNAV, obstacle clearance analysis, collision risk assessments, etc.	Airspace & Procedures Modeling and Analysis. Sector Design Analysis Tool (SDAT)—Workstation software for ARTCC/TRACON sector design, analysis and analysis
Air Traffic Control Staffing and Operation of ATC facilities	Collaborative Decision Making (CDM) <ul style="list-style-type: none"> ○ Airport ○ Airspace 	Safety Management System, Quality Assurance and Accident/Incident Investigation
Airport Operations Support Services, including refueling services, marshalling, etc.	Automated Flight Service Station Operation and Support	Environmental Analysis including noise mitigation strategies
Airport Maintenance Support Services	Air Traffic Control Systems Engineering, Integration, and Implementation	Strategic Planning, e.g., 5-10-20 Year Plans
Space Launch and Test Airspace Access	Meteorological Information Service	Air Traffic Forecasting
Spaceport Launch Operators License - Part 450 Spaceports - Part 420 Launch Site and Part 433 Reentry Site	Air Traffic Management— requirements definition of operational components including personnel, procedures, equipment, and training	Air Traffic Control and Infrastructure Assessments to include ATC System Effectiveness, Staffing Analysis, Operational Engineering Evaluations
Air Traffic Flow Management - to include demand and capacity balancing, traffic synchronization and conflict management	Air Traffic Management Security; ICAO Doc 9985, Air Traffic Security Manual	Civil/Military Coordination and Cooperation - ICAO Circular 330 AN/189 Civil/Military Cooperation in Air Traffic Management
Meteorological Information Service	Service Delivery Management	

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WCG Past Experiences:

Provision of Air Traffic Control Services:

Location	Date	Client
Clinton-Sherman Tower, Oklahoma	1990-1995	State of OK
Kingston ACC and APP	2003-2004	Jamaica CAA
Camp Grayling Tower, Michigan	2007-2011	State of MI
Taji Air Base Tower, Iraq	2010-2011	U.S. Air Force
Ali Air Base Tower, Iraq	2010-2011	U.S. Air Force
Kirkuk Air Base, Iraq	2010-2011	U.S. Air Force
Basra Tower, Iraq	2007-2012	U.S. Air Force
Baghdad Area Control Center, Iraq	2007-2012	U.S. Air Force
Baghdad Tower, Iraq	2007-2012	U.S. Air Force
Djibouti Tower, Djibouti	2012-2013	U.S. Navy
U.S. Embassy Tower, Iraq	2007-2018	U.S. State Dept
Al Asad TRACAB, Iraq	2019-2021	U.S. Air Force
Space Florida Launch and Landing Facility	2015-present	Space Florida

Airfield Operations

Location	Date	Client
Space Florida Launch and Landing Facility	2015-present	Space Florida

Airfield Maintenance

Location	Date	Client
Kirkuk Air Base, Iraq	2010-2011	U.S. Air Force
Space Florida Launch and Landing Facility	2021-present	Space Florida

Air Traffic Control Training and other training

Contract/Location	Date	Client
China ATC Services Contract Supporting Civil Aviation Administration of China (CAAC) Air Traffic Management Bureau (ATMB)	1994-2003	Boeing
Kingston ACC and APP (ATC Training)	2003-2004	Jamaica CAA
Kirkuk AB, Iraq (Maintenance Training)	2010-2011	USAF Security Assistance Training Squadron (AFSAT)
Baghdad ACC (ATC Training)	2007-2012	U.S. Air Force
Training Support for FAA's Automated Flight Service Station A76	2005-2014	Lockheed Martin
ATC Training at multiple FAA Facilities	1986-2008 2015-present	Federal Aviation Administration

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ATM System Requirements, Design, Evaluation, Analysis and Technical Assistance

Contract	Client
Air Services Structural Oversupply Study	Export-Import Bank of the United States of America
Data Communications (Data Comm) Integrated Services (DCIS) Contract	Federal Aviation Administration
Subject Matter Expertise (SME) Support for FAA System Wide Information Management System (SWIM)	Topia Ventures, LLC/FAA
SE2020	Federal Aviation Administration
Concept of Operations (CONOPS) for the Management of Space Vehicle Operations (SVOs)	Federal Aviation Administration
Concept of Operations (CONOPS) for NextGen Trajectory Negotiations (NTN)	Federal Aviation Administration
Air Traffic Consulting Services	MITRE Corp.
Noise study for the Beijing International Capital Airport (BICA) Expansion Project	Beijing International Capital Airport Group (BCIA),
Aeronautica Civil Air Navigation Plan	Republica De Colombia
National Airspace System Implementation Group	Australian Government
Houston Jetport West Airport Planning	HWR Holdings, LLC
Spectrum Audit	Federal Aviation Administration
Air Traffic Management (ATM) Strategic Planning	Federal Aviation Administration
European Air Traffic Control Study	European Airlines Association
USTDA Indonesia Eastern Airspace Aviation Safety Technical Assistance	Boeing/Govt. of Indonesia
Indonesian Aviation Development Plan	Parsons/Govt of Indonesia
ATC and airport analyses of the Hong Kong TMA, Kai Tak Airport and the new Chek Lap Kok Airport	Parsons
Chek Lap Kok Airspace Design	Govt of Hong Kong
Sector Design Analysis Tool (SDAT)	Federal Aviation Administration
ATC Facility Consolidation Costs and Benefits Analysis	Federal Aviation Administration
Air Traffic Restructure Evaluation	Federal Aviation Administration
NAS Implementation Support Contract (NISC)	Federal Aviation Administration
En Route Centers Automation Requirements Services (ECARS)	Federal Aviation Administration
Airport Authority of India Air Traffic Control Officer Manpower Assessment, and Communication, Navigation and Surveillance Manpower Assessment.	Airports Authority of India Aviation Cooperation Program