The NEW

ARINCDirect™ RVSM height monitoring flights

Since 1982, we’ve monitored over 5,000 aircraft in support of RVSM implementation around the globe. RVSM airspace in North America, Europe and other regions around the world helps save fuel and reduce flight-level congestion by providing six additional flight levels between 29,000 and 41,000 feet.

Rockwell Collins’ ARINCDirect™ continues to provide RVSM monitoring services to an increasing number of business aviation operators, to satisfy the requirements for RVSM approval. Flight departments can rely on our trusted service to provide you with monitoring results in as little as 14 days, saving time and money. With this prompt service you can avoid waiting for the FAA to post monthly results calculated from an AGHME flyover. Following your monitoring flight you will also receive a confirmation letter verifying its completion.

RVSM height monitoring process

To verify that altitude-keeping systems are compliant with RVSM requirements, Rockwell Collins uses a portable Global Positioning System (GPS)-based monitoring system (GMU) that we developed for the FAA specifically for RVSM monitoring.

North, Central and South America

An ARINCDirect RVSM staff specialist will bring the portable GMU, which is about the size of a briefcase, on board the aircraft prior to the flight. Dual GPS antennas are installed with suction cups on cabin or cockpit windows to acquire GPS satellite telemetry.

The monitoring flight requires approximately 30 minutes of straight and level flight between FL290 and FL410. Our staff specialists then process the collected data by applying differential corrections to the raw GMU GPS flight data and then submit it to the FAA Technical Center for review. The FAA Technical Center computes the Altimetry System Error (ASE) Rating which is then used to determine RVSM airspace certification. Rockwell Collins also works closely with the Caribbean and South American Monitoring Agency (CARSAMA) and forwards GMU altimetry data for processing.

Rockwell Collins offers height monitoring services worldwide with staff based in five North American locations:

- Annapolis, Maryland
- Miami, Florida
- Oklahoma City, Oklahoma
- San Diego, California
- Toluca, Mexico
Europe

In Europe, Rockwell Collins works closely with EUROCONTROL to offer height monitoring services. Through a license agreement, we use the EUROCONTROL GMU. The unit weighs about 5.4 kilograms and uses an internal 14.4 V battery.

The monitoring flight requires 30 minutes of straight and level flight between FL290 and FL410. Data collected by the EUROCONTROL GMU is then processed in the United Kingdom, where the ASE is calculated and the results are returned to EUROCONTROL.

Our expertise and proximity to operators allow us to be available on short notice, minimizing the time and expense involved in complying with RVSM requirements. With technicians in so many locations, we can serve your aircraft no matter where you are. If you can’t make it to a service center, let us come to you.

Contact us for more information or to schedule a height monitoring flight in North America, South America or Europe.

Rockwell Collins’ ARINCDirect trusted and superior quality service is backed by our worldwide 24×7 technical support field staff. We provide our customers with upgrade consultation, on-site diagnostics and configuration, network engineering, and ongoing aircraft support to keep you connected.

To learn more log onto rockwellcollins.com/arincdirect

About Rockwell Collins

Rockwell Collins is a pioneer in the development and deployment of innovative communication and aviation electronic solutions for commercial and government applications. Our new ARINCDirect suite of flight support services brings together the Rockwell Collins’ Ascend flight information solutions and ARINC Direct flight services into a single-source solution for best-in-class flight planning, international trip support, cabin connectivity and flight operations management. Rockwell Collins acquired ARINC Incorporated in 2013.

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