



Media Release

Date: December 14, 2005
Subject: Kitchener Aero Special Missions Expertise Delivered to China!

For Immediate Publication

Kitchener, Ontario, CANADA – Now in business over 27 years, Kitchener Aero (KAAV) has gained an enviable reputation for excellence in avionics sales, repair, and support along with design creativity that works “outside the box”. Their *Special Missions* modification experience covers such areas as Aerial Law Enforcement, MedEvac and Air Ambulance, Traffic Patrol, Forestry, Electronic News Gathering (ENG) and Geophysical Survey applications.

In the early spring, KAAV took delivery of two factory new Citation XLS corporate aircraft for special missions mods. These aircraft will serve a dual role for their new owners – one as official government transportation and the second as Advanced Automatic Flight Inspection aircraft.

Background . . .

The aircraft are owned by the Civil Aviation Authority of China (CAAC) and came to KAAV for installation of Flight Inspection Systems (FIS), manufactured by RVA Aerospace of Orangeville, Ontario. As of the end of September the first aircraft completed its extensive flight testing programme and was handed back to Cessna for delivery to its owners. The second aircraft was also subject to the very involved flight testing programme, and was delivered back to Cessna in early November. Due to the rapidly expanding nature of the aviation market in China, all participants expect additional projects to follow this.

Technical Data of Project . . .

The hardware used for the Advanced Automatic Flight Inspection Services (AAFIS) is manufactured by RVA Aerospace of Orangeville, Ontario. Both aircraft were fitted out with identical systems for this role.

The RVA AAFIS System includes a suite of advanced navigation sensors from Honeywell, Rockwell/Collins, and Ashtec, including differential GPS. The AAFIS System is also integrated into a variety of existing sensor platforms on the aircraft, and has its own dedicated set of antenna systems. Rounding out the AAFIS package is a state-of-the-art Chelton System 7 Direction Finding (DF) System that is used in the analysis and locating of interfering signals.

In speaking about this latest project, Barry Aylward, President of KAAV stated: “It was a privilege for us to once again have the opportunity to work with Roy Vousden and RVA. For both our firms it was gratifying to see that Canadian FIS technology and engineering capabilities are recognized in the global market place, and that we can effectively compete and secure business as a team of companies.

The last time we worked as joint forces was on a system for a similar application for the Chilean Aviation Authority. That project was centered around an earlier model Citation. In both projects I have found that the synergies between RVA and Kitchener Aero are tremendous. We fully compliment each other's respective strengths. Add to that the solid and dependable FIS flight platform that Cessna's 560 Series provides, and we have all the right elements for an outstanding end product on this very important FIS program for the Government of China."

RVA is a Flight Inspection manufacturer with nearly 20 years of experience designing automatic and semi-automatic Flight Inspection Systems. The firm boasts an international client base, including customers from Brazil, Oman, Italy, Chile and now China. Although considered to be a small company, RVA are known for their ability to adapt and integrate new technologies quickly and offer absolutely "State-Of-The-Art", but solid, reliable and competitive FIS Systems.

KAHV has a solid track record for developing and bringing to maturity STCs that focus on unique and challenging Special Missions avionics projects. They have been responsible for many industry *firsts* and are the proud recipient of numerous awards by both the industry and their peers. KAAV provides avionics sales, service, installation and integration for general aviation, small corporate and commuter type commercial aircraft. Located at Region of Waterloo International Airport - CYKF – the firm has enjoyed continued growth and success since its inception and is consistently ranked among the top dealers in North America by leading avionics equipment manufacturers.

For additional information call Barry Aylward at Kitchener Aero or contact him by email at: barry@kitcheneraero.com

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For more detailed or alternative photos, please contact Robert Seaman at (416) 806-2966.



Barry Aylward – President of KAAV with Liu Kun, Vice Director of the Flight Inspection Group from the Civil Aviation Authority of China (CAAC) and Roy Vousden – President of RVA Aerospace Systems during the final flight testing and hand-off of the first of two Citation Excel XLS aircraft. Both Citations have been special mission modified by KAAV with RVA's AAFIS System (flight inspection technology).

The two factory new Citation XLS corporate aircraft for special missions mods on the ramp at KAAV. These aircraft will serve a dual role for their new owners - the Civil Aviation Authority of China (CAAC) – one as official government transportation and the second as Advanced Automatic Flight Inspection aircraft.





The inside story of the RVA AAFIS (Advanced Automatic Flight Inspection) System as installed by KAAV. The AAFIS incorporates a suite of advanced navigation sensors from Honeywell, Rockwell/Collins, and Ashtec, including differential GPS. It is also integrated into a variety of existing sensor platforms on the aircraft, and has its own dedicated set of antenna systems plus a Chelton System 7 Direction Finding (DF) System - used in the analysis and locating of interfering signals.

The operator station on one of two recently completed Special Missions modified Citation Excel XLS – showing the RVA AAFIS. KAAV performed the modification work required to take these aircraft from corporate transportation to their new dual role configuration.

