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## News Release

### **Cessna Citation Sovereign Completes High Speed Testing with Elliptical Winglets**

**Wichita, KS (October 17, 2014)** — Wichita, Kansas-based Winglet Technology announced today that it has completed high speed performance testing of the Cessna Citation Sovereign business jet equipped with its patented Elliptical Winglets in August. Flight testing was conducted from Wichita Mid-Continent Airport with support from Aero TEC and the Wichita Cessna Citation Service Center. Winglet Technology flew over 50 hours of back-to-back winglet-on and winglet-off high speed cruise performance flight testing to establish the performance increment provided by the Elliptical Winglets for the Sovereign.

Flight testing has confirmed a 12-14 KTAS speed increase at FL450, direct climb to FL450 at the higher take-off weight in under 26 minutes, and a 205 NM range increase for payloads under 1,200 lbs and a 265 NM increase for payloads over 1,450 lbs. “Extensive back-to-back flight testing has validated our pre-test predictions,” said Bob Kiser, President and Managing Member of Winglet Technology, LLC. “The Elliptical Winglets are a great high altitude compliment to the Sovereign’s outstanding short field performance that provides operators with even greater operational flexibility.”

The Sovereign upgrade will provide higher maximum cruise speeds at high altitudes, greater range for a given payload throughout the operating envelope, and higher weight / altitude / temperature (WAT) limits allowing more flexibility when operating from high / hot airports, improved climb performance that allows higher initial cruise altitudes. Winglet Technology and the Cessna Service Center network are collaborating on the project which includes a 1% gross weight increase. The Elliptical Winglets will increase the Sovereign’s wingspan from 63 feet 4 inches to 69 feet 4 inches.

Winglet Technology submitted an application and certification plan for the FAA Supplemental Type Certificate (STC) project to the FAA and has received go-ahead for the STC project from the Wichita FAA Aircraft Certification Office (ACO). Winglet Technology is targeting entry into service during the last quarter of 2015.

Winglet Technology was granted an FAA Supplemental Type Certificate (STC) to install their patented Elliptical Winglets on Cessna's Citation X, the world's fastest business jet, in July of 2009. Cessna Aircraft Company has made the Elliptical Winglet design standard for its larger, faster upgraded version of the Citation X beginning with delivery of aircraft S/N 501.

Winglet Technology's Elliptical Winglet design provides superior aerodynamic performance across a broad range of Mach number and operating conditions. The elliptical design ensures the lift distribution of the wing closely matches optimum lift distribution along the span of the wing, which minimizes the induced drag of the aircraft. The resulting induced drag reduction enhances the overall operational performance and translates into a range of performance improvements for the both the Cessna Citation X and Sovereign aircraft.

Founded in 2001, Winglet Technology, LLC and has received U.S., European, and Canadian approval for its unique Elliptical Winglet design. The firm is located at 8200 East 34<sup>th</sup> Street North, Suite 1410 in Wichita, Kansas, 67226. For more information, please visit the company's website at [www.winglet-technology.com](http://www.winglet-technology.com), or call +1 316 524 9300 or visit Booth 4359 at the 2014 National Business Aviation Association Annual Meeting & Convention in Orlando, FL October 21-23.

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