
News Release

Winglet Technology to Expand Transitional Winglet STC to Include the Citation Sovereign+ and Latitude

Wichita, KS (October 19, 2022) — Winglet Technology, LLC has announced plans to amend its current Citation Sovereign Transitional winglet Supplemental Type Certificate (STC) to include the Sovereign+ and Latitude models. The original Transitional winglet STC was issued by the FAA in June of 2017, followed by EASA in April of 2020.

“Our Transitional winglet kit for the legacy Sovereign is a nice upgrade for both the Sovereign+ and the Latitude. We have seen interest in our winglets from owners of each product line, and it is a natural follow-on for Winglet Technology to amend our STC to include the derivative models,” said Bob Kiser, President of Winglet Technology. Certification of the Sovereign+ and Latitude would take the available fleet size to over 700 airplanes that are candidates for the Transitional winglet kit installation.

The Citation Sovereign Transitional winglet STC allows the modified aircraft to climb direct to FL450 at a higher maximum take-off weight of 30,775 lbs, increases the speed of the aircraft by up to 35 KTAS at top of climb, and allows a step climb from FL450 to FL470 at a weight 3,000 lbs heavier than the “non-wingleted” Sovereign. The enhanced performance of a wingleted Sovereign also includes a range improvement of up to 340 nautical miles when payload limited. Weight, altitude, and temperature (WAT) limit improvement provided by the Transitional winglet consists of an 8° C or 2,000 lb improvement at departure elevations of 5,000 ft or higher. The Sovereign second segment climb gradients are improved by .5 % - .7 % at the higher MTOW.

The legacy Sovereign certification includes approval of the Citation Sovereign EPIC Flight Management System (FMS) Take-Off and Landing Database (TOLD) and Flight Planning database (ACDB) update incorporating improved second segment climb, en-route climb, and cruise performance provided by the Transitional winglet STC. Cesnav CPCalc and EOM fully incorporate these performance benefits as well.

Winglet Technology has delivered more than 35 Transitional winglet STC kits to Citation Sovereign customers, including several international deliveries. “The Transitional winglet

upgrade provides Sovereign owners and operators with even greater operational flexibility. The Transitional winglets are a great high-altitude complement to the Sovereign's outstanding short field performance," said Kiser. "We expect a slight increase in maximum range and the same maximum speed improvement for the Sovereign+ that we currently see for the legacy Sovereign."

Winglet Technology will be exhibiting at NBAA-BACE at Booth #1828 in the Orange County Convention Center. The company is looking for a launch customer for each model.

ABOUT WINGLET TECHNOLOGY

Winglet Technology holds a Supplemental Type Certificate (STC) to install its Elliptical winglet design on Cessna's Citation X granted by the FAA in 2009 in addition to the Citation Sovereign granted in 2017. Cessna Aircraft Company made Winglet Technology's Elliptical winglet design standard equipment for its upgraded Citation X+.

The company is located at 8200 East 34th Street North, Suite 1410 in Wichita, Kansas. For inquiries, contact Winglet Technology at +1.316.524.9300 or by e-mail at sales@winglet-technology.com.