

PRESS RELEASE

ILS OFFSET Training System Certified for Textron Citation 560XL using Blue Avionics BA-540 AAU.

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EXTON, PA – The Blue Avionics BA-540 Adaptable Avionics Unit (AAU) is FAA certified to provide ILS Offset Training in a Textron Aviation Citation 560XL. The BA-540 AAU is configured to allow an instructor to induce one dot of deviation in either Localizer or Glide Slope from the current ILS output for approach training. The Instructor uses a UP, DN, RT, LT momentary annunciation switch to select the offset. Subsequently the BA-540 AAU confirms the selection by illuminating the selected switch and induces the one dot of deviation from the current ILS input to the BA-540 AAU. The system reverts to normal ILS mode if GO Around or another selection is made.

The BA-540 AAU also provides Checklist enable output, which is decoded from the digital display system bus to help integrate the system with the display system.

A secondary BA-540 AAU is configured to interface the GLU-920 Multi-Mode Receiver (MMR) to the L3 EHSI-4000.

“The adaptable BA-540 AAU is configurable to perform hundreds of functions on aircraft. On the Citation 560XLs, the BA-540 AAU is handling 85 functions and logic equations in the ILS offset system and 33 different functions and logic equations in the MMR to EHSI interface. All of these functions are configured and stored in the B540-0FF5 and B540-F15A configurations that are unique to this installation,” says Ross Cairns, Blue Avionics Founder and VP of Engineering.

The B540-0FF5 ILS Offset Training system configuration functions range from detection of momentary push button switch and debounce, latching the mode until another mode or GO Around is selected, to adding +/- Dot of deviation into the ILS output to the displays without loss of data.

The B540-F15A configuration functions range from changing labels from the input to another set of labels output at a different rate, health monitoring and SDI and SSM Management, to specific label filtering and correcting bit differences in digital data interpretation between the two systems including setting frequencies for ILS and DME.

The system integration and certification was performed by Duncan Aviation's headquarters in Lincoln, Nebraska, and the aircraft is delivered to an overseas customer.

“This is just a small sample of functional capabilities of the BA-540 AAU. Give us your worst. Let us see if we can perform the functions you need with just configurations using the BA-440 Router/Filter, BA-540 AAU, and BA-110 ACU Systems,” says Cairns.

The Blue Avionics BA-440 Router/Filter, BA-540 AAU, and BA-110 ACU are all highly configurable adaptable avionics systems that are certified for performing a number of functions on various aircraft from a Piaggio 180 to a Boeing 747SP.

About Blue Avionics

Blue Avionics designs, builds, and manufactures certified highly configurable Adaptable Avionics equipment to perform specialized and customized requirements. The company also provides Aircraft upgrade Harnesses and mechanical mounting parts. The company has FAA certified production centers located in Pennsylvania. Blue Avionics is one of the first Avionics companies to certify a highly configurable Multipurpose Adaptable Avionics System to perform different functions in aircraft with DO-178B / DO-178C / DO-254 DAL B integrity and safety. For more information contact Blue Avionics at: Blue Avionics 212 Welsh Pool Road Exton, PA 19341 Phone +1.610.458.3763 Blue.Sales@BlueAvionics.com www.BlueAvionics.com

About Duncan Aviation

Duncan Aviation is an aircraft service provider supporting the aviation needs of government and business operators and other service providers. Services include major and minor airframe inspections, engine maintenance, major retrofits for cabin and cockpit systems, full paint and interior services, and preowned aircraft sales and acquisitions. Duncan Aviation also has international aircraft components solutions experts available 24/7/365 at +1 402.475.4125 who can handle any aircraft system problem with immediate exchanges, rotables, loaners or avionics/instrument/accessory repairs and overhauls. Complete service facilities are located in Battle

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Creek, Michigan; Lincoln, Nebraska; and Provo, Utah. We also have dozens of other facilities strategically located throughout the United States to provide customers with regional support and the quickest response possible to avionics, engine and airframe Aircraft On Ground (AOG) situations.

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