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Astronics AeroSat Receives China IFC Certification

FliteStream® SATCOM connectivity and AeroShield™ radome solutions certified on Boeing B737NG aircraft in China

EAST AURORA, N.Y.--(BUSINESS WIRE)-- [Astronics Corporation](http://www.astronicscorp.com) (NASDAQ:ATRO), a leading provider of advanced technologies for the global aerospace, defense and semiconductor industries, announced that its wholly owned subsidiary, Astronics AeroSat, recently received the Civil Aviation Administration of China (CAAC) Validation of Supplemental Type Certification (VSTC) of its satellite communications (SATCOM) connectivity system. Specifically, the VSTC validates Astronics AeroSat's [FliteStream® F-310 connectivity](#) system and its new ARINC 791-style [AeroShield™ radome and adapter plate](#) system. Complete data for this inflight entertainment and connectivity (IFE&C) solution is available in CAAC VSTC0870.

This press release features multimedia. View the full release here:
<https://www.businesswire.com/news/home/20180919005097/en/>

Astronics AeroSat FliteStream SATCOM connectivity & AeroShield radome systems are now certified for Boeing B737NG in China. (Photo: Business Wire)

According to Matthew Harrah, President of Astronics AeroSat, "We are excited to

announce the completion of our CAAC VSTC covering our inflight internet connectivity systems on Boeing 737-800/900/900ER aircraft for China installations. This enables Astronics to offer our Chinese customer base a proven & reliable IFE&C solution for next-gen Ku-Band high-throughput satellite (HTS) networks, which includes installation and all structural, antenna, and radome system components. The customer can pair the FliteStream IFC with either the Astronics CSC's Summit™ line of in-cabin IFE equipment for an integrated, scalable, high-performance solution or with their own IFE equipment supplier of choice."

With industry-leading technical performance, Astronics AeroSat's FliteStream fuselage-mounted antenna systems are ready to improve the Chinese airline passenger connectivity experience.

"This CAAC VSTC, along with the in-process European EASA STC, and the near term A320-family STC, will provide global opportunities for airline operators and passengers to experience the benefits of our FliteStream & AeroShield connectivity solutions," Harrah continued.

About the FliteStream F-310 Satellite Connectivity System

Astronics AeroSat's FliteStream solutions are the only products available with patented lens-

horn technology, which creates the most efficient, reliable and highest-performing SATCOM antenna system available. The FliteStream F-310 integrates next-generation satellite modem technology and is the only system in production today that is compatible with next generation Ku-band high throughput satellites and iDirect Velocity networks, which provides maximum internet and data speeds in a single antenna.

Key features include:

- Seamless connectivity for passengers to browse the internet, send and receive emails, make calls using Voice-Over-IP (VoIP), access virtual private network (VPN) services, conduct video conferences, and enjoy favorite work or entertainment applications
- Most efficient Ku-band SATCOM antenna system, critical for maintaining low angle satellite coverage while flying at higher latitudes, where most flights occur
- A three-piece LRU system: antenna, antenna controller & modem, and high power transceiver
- Compliance with RTCA DO-160 and RTCA DO-178

About the AeroShield ARINC 791-Style Radome & Adapter Plate System

Astronics AeroSat's AeroShield radome and adapter plate solution is the only next-generation ARINC 791-style solution that provides optimal Ku-band performance combined with the lowest drag design, while meeting all FAA & EASA bird strike safety requirements.

Key features include:

- Aerodynamic shape to reduce drag and increase fuel savings
- FAA & EASA bird strike compliance for large radome installations, to reduce certification time and cost
- Sealing robustness against fluid intrusion from water, ice, deicing fluids and other environmental conditions
- Advanced aluminum adapter plate design to minimize total IFC system weight
- Connectivity systems commonality & interchangeability across entire fleets

Astronics AeroSat keeps people connected no matter where they fly. For over a decade, Astronics AeroSat has provided fuselage- and tail-mounted SATCOM solutions for general aviation, business aviation, commercial transport, VVIP, and military aircraft around the world. Learn more at Astronics.com.

ABOUT ASTRONICS CORPORATION

Astronics Corporation (NASDAQ:ATRO) serves the world's aerospace, defense and semiconductor industries with proven, innovative technology solutions. Astronics works side-by-side with customers, integrating its array of power, connectivity, lighting, structures, interiors, and test technologies to solve complex challenges. For 50 years, Astronics has delivered creative, customer-focused solutions with exceptional responsiveness. Today, global airframe manufacturers, airlines, military branches, completion centers and Fortune 500 manufacturing organizations rely on the collaborative spirit and innovation of Astronics.

For more information on Astronics and its solutions, visit Astronics.com.

Note to editors: The Astronics FliteStream F-Series antenna and radome system will be on display at APEX, in Boston, September 24-27, in the Astronics booth, #343. Please contact press@astronics.com to set up a media briefing.

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