



PRESS RELEASE

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FOR RELEASE: Wednesday, March 20, 2013

AMERICAN AIRLINES SELECTS AIRBUS' RUNWAY OVERRUN PREVENTION SYSTEM FOR ITS A320 FAMILY FLEET

ROPS to Also Become Available to Other Manufacturers' Aircraft

FORT WORTH, Texas – American Airlines has decided to equip all of its A320 Family fleet with Airbus' innovative Runway Overrun Prevention System (ROPS) technology. This onboard cockpit technology, which Airbus has pioneered independently over several years, increases pilots' situational awareness during landing, reduces exposure to runway excursion risk, and if necessary, provides active protection.

ROPS was first approved by the European Aviation Safety Agency (EASA) on the A380 in October 2009 and to date is currently in service or ordered on around 70 percent of the A380 fleet. ROPS is part of the A350 XWB's basic configuration and is also being applied on the other Airbus types being produced today, starting with the A320 Family, with certification on this type expected later this year.

"We are proud to be the first airline to equip our entire A320 family aircraft with this state-of-the-art technology," said Capt. John Hale, Vice President – Flight for American Airlines. "Our pilots appreciate the operational benefits that this industry-approved cockpit technology will bring to their daily work."

"ROPS is the result of years of continuing research by Airbus," said Yannick Malinge, Airbus' Senior Vice President and Chief Product Safety Officer. "Its selection by American Airlines for its A320 Family fleet underscores the value and significant contribution that ROPS brings to aviation safety. Airbus is proud to be on the leading edge of this technology for our industry – where safety is the universal priority."

Runway excursion – meaning either an aircraft veering off the side of the runway, or overrunning at the very end – has become the primary cause of civil airliner hull losses in recent years, particularly as other formerly prevalent categories of aircraft accidents have now largely been eliminated. Furthermore, various industry bodies including the EASA, NTSB, Eurocontrol and FAA recognize this and are fully behind the introduction of effective measures by commercial aviation stakeholders to not only mitigate, but eliminate the risk of runway excursions.



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In line with this, Airbus is working to make ROPS commercially available to other aircraft manufacturers' aircraft. The system could be coupled with the mandatory Terrain Avoidance Warning System already fitted on Airbus aircraft and will utilize an enhanced and specifically developed version of its worldwide runway database.

The Airbus-patented ROPS computes minimum realistic inflight landing and ground stopping distances while comparing them to available landing distances in real time. The analyses take into account factors such as runway topography, runway condition, aircraft weight and configuration, wind, and temperature. The resulting outcome produces audio callouts and alerts for pilots, making ROPS an awareness tool to assist the crew in the go-around decision making process and the timely application of ground stopping means.

To regularly enhance the A320 Family's capabilities and performance, Airbus invests approximately 300 million euros annually in keeping the aircraft highly competitive and efficient. More than 9,400 A320 Family aircraft have been ordered and around 5,400 delivered to more than 380 customers and operators worldwide – reaffirming its position as the world's best-selling single-aisle aircraft Family.

About American Airlines

American Airlines focuses on providing an exceptional travel experience across the globe, serving more than 260 airports in more than 50 countries and territories. American's fleet of nearly 900 aircraft fly more than 3,500 daily flights worldwide from hubs in Chicago, Dallas/Fort Worth, Los Angeles, Miami and New York. American flies to nearly 100 international locations including important markets such as London, Madrid, Sao Paulo and Tokyo. With more than 500 new planes scheduled to join the fleet, including continued deliveries of the Boeing 737 family of aircraft and new additions such as the Boeing 777-300ER and the Airbus A320 family of aircraft, American is building toward the youngest and most modern fleet among major U.S. carriers. American's website, AA.com[®], provides customers with easy access to check and book fares, and personalized news, information and travel offers. American's AAdvantage[®] program, one of the most popular frequent flyer programs in the world, lets members redeem miles for flights to almost 950 destinations worldwide, as well as flight upgrades, vacation packages, car rentals, hotel stays and other retail products. The airline also offers nearly 40 [Admirals Club](#)[®] locations worldwide providing comfort, convenience, and an environment with a full range of services making it easy for customers to stay productive without interruption. American is a founding member of the **oneworld**[®] alliance, which brings together some of the best and biggest airlines in the world, including global brands like British Airways, Cathay Pacific, Iberia Airlines, Japan Airlines, LAN and Qantas. Together, its members serve more than 840 destinations with some 9,000 daily flights to nearly 160 countries and territories. Connect with American on Twitter [@AmericanAir](#) or [Facebook.com/AmericanAirlines](https://www.facebook.com/AmericanAirlines). American Airlines, Inc. and American Eagle Airlines, Inc. are subsidiaries of AMR Corporation. AMR Corporation common stock trades under the symbol "AAMRQ" on the OTCQB marketplace, operated by OTC Markets Group.

About Airbus

Airbus is the world's leading aircraft manufacturer of passenger airliners, ranging in capacity from 100 to more than 500 seats. Airbus has design and manufacturing facilities in France,



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Germany, the UK, and Spain, and subsidiaries in the US, China, Japan, India and in the Middle East. In addition, it provides an international network of customer support and training centres. Airbus is an EADS company.

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