



## EMBRAER LINEAGE 1000 JET RECEIVES FAA CERTIFICATION

*Supplemental Type Certificate was also granted for the interior of the ultra-large jet*



**New Delhi, January 9, 2009** – Embraer has received the Type Certificate (TC) and the Supplemental Type Certificate (STC) from the U.S. Federal Aviation Administration (FAA) for its ultra-large Lineage 1000 executive jet. The aircraft was also awarded type certification by Brazil's National Civil Aviation Agency (Agência Nacional de Aviação Civil – ANAC) and the European Aviation Safety Agency (EASA) in December 2008. To date, over 20 Lineage 1000 jets have been sold worldwide.

The STC is for the jet's interior, which was designed, manufactured and installed by PATS Aircraft Completions, a subsidiary of DeCrane Aerospace, located in the United States.

*“We are pleased to announce the certification of the Lineage 1000 by the FAA, confirming all the exceptional characteristics previously approved by ANAC and EASA,”* said Luís Carlos Affonso, Embraer Executive Vice President, Executive Jets. *“One of the great achievements of this project regards to the maximum range of the aircraft, which was extended to 4,500 nautical miles, giving operators new possibilities for routes and destinations.”*

The maximum range of the Lineage 1000, originally projected to be 4,200 nautical miles (7,778 km or 4,833 miles) with eight passengers, or 4,350 nautical miles (8,056 km or 5,005 miles) with four passengers, has been extended to 4,400 nautical miles (8,149 km or 5,063 miles) with eight passengers, or 4,500 nautical miles (8,344 km or 5,179 miles) with four passengers, both with NBAA IFR reserves.

The cabin styling was developed in a partnership between Embraer and the UK-based design office Priestman Goode, of London. Besides elegant and relaxing ambiences, the Lineage 1000 offers a broad range of interior layouts for five different cabin zones, where passengers may enjoy privacy for meetings, resting, and meals. There is also a private suite with a shower. The finely appointed cabin has three distinct temperature zones and a maximum altitude rating of 7,000 feet (2,134 meters), providing passengers with premium comfort.

Launched in May 2006, the Lineage 1000 is the largest and most refined executive jet in Embraer's portfolio. The aircraft is based on the EMBRAER 190 commercial jet, which was

### PRESS OFFICES

#### Headquarters (Brazil)

**Rosana Dias**  
[rosana.dias@embraer.com.br](mailto:rosana.dias@embraer.com.br)  
 Cell: +55 12 9724 4929  
 Tel.: +55 12 3927 1311  
 Fax: +55 12 3927 2411

#### North America

**Christine Manna**  
[cmanna@embraer.com](mailto:cmanna@embraer.com)  
 Cell: +1 954 383 9950  
 Tel.: +1 954 359 3879  
 Fax: +1 954 359 4755

#### Europe, Middle East and Africa

**Stéphane Guilbaud**  
[sguilbaud@embraer.fr](mailto:sguilbaud@embraer.fr)  
 Cell: +33 6 7522 8519  
 Tel.: +33 1 4938 4455  
 Fax: +33 1 4938 4456

#### China

**Tracy Chen**  
[tracy.chen@bjs.embraer.com](mailto:tracy.chen@bjs.embraer.com)  
 Cell: +86 139 1018 2281  
 Tel.: +86 10 6598 9988  
 Fax: +86 10 6598 9986



certified in August 2005. It is one of four members of the E-Jets family, which now operates in 35 countries and has flown more than 2.2 million hours.

The certification confirms the Lineage 1000's maximum takeoff weight (MTOW) of 120,150 pounds (54,500 kg), and authorizes the jet to operate under Extended Operations rules (ETOPS 120). This clearance demonstrates the aircraft's capability of flying routes that have a diversion airport up to 120 minutes from the flight path. Therefore, the Lineage 1000 can fly long distances over oceans, deserts and other inhospitable areas, thus increasing its operational range, anywhere in the world.

Approval has also been granted for the newly designed auxiliary fuel system, which is compliant with the latest SFAR 88 safety requirements and is seamlessly integrated with the state-of-the-art Honeywell Primus Epic® avionics suite, where automation reduces pilot workload.

The STC validates the modifications in the fully customizable executive jet interior, the inflight accessible cargo compartment, and the oxygen system.

### **About the Lineage 1000 jet**

The Lineage 1000 jet was primarily designed for comfort and luxury. The aircraft can be configured to accommodate up to 19 passengers in a total cabin volume of 4,085 cubic feet (115.7 cubic meters). The interior, designed in a partnership with London-based Priestman Goode, offers five distinct privacy zones and two lavatories. A third lavatory and a stand-up shower unit are optional.

The aircraft's cabin is outfitted by PATS Aircraft Completions, a division of DeCrane Aerospace, located in the United States, featuring the most refined materials in its category. A wide variety of cabin configurations fits all traveler needs with plenty of room for work, rest and meetings. Besides the optional Electronic Flight Bag (EFB), there are such optional amenities as Wi-Fi technology and Internet access, plus other features.

The total baggage capacity is 443 cubic feet (12.54 cubic meters). A large, pressurized aft baggage area, which is conveniently accessible during flight, is more than twice the size of baggage compartments on competitive jets. The integrated Honeywell Primus Epic® avionics suite comes with five Liquid Crystal Display (LCD) multifunction control screens, Cursor Control Device (CCD), auto throttle, weather radar with turbulence detection, fly-by-wire, and other cutting-edge technologies.

#### PRESS OFFICES

##### **Headquarters (Brazil)**

**Rosana Dias**  
[rosana.dias@embraer.com.br](mailto:rosana.dias@embraer.com.br)  
 Cell: +55 12 9724 4929  
 Tel.: +55 12 3927 1311  
 Fax: +55 12 3927 2411

##### **North America**

**Christine Manna**  
[cmanna@embraer.com](mailto:cmanna@embraer.com)  
 Cell: +1 954 383 9950  
 Tel.: +1 954 359 3879  
 Fax: +1 954 359 4755

##### **Europe, Middle East and Africa**

**Stéphane Guilbaud**  
[sguilbaud@embraer.fr](mailto:sguilbaud@embraer.fr)  
 Cell: +33 6 7522 8519  
 Tel.: +33 1 4938 4455  
 Fax: +33 1 4938 4456

##### **China**

**Tracy Chen**  
[tracy.chen@bjs.embraer.com](mailto:tracy.chen@bjs.embraer.com)  
 Cell: +86 139 1018 2281  
 Tel.: +86 10 6598 9988  
 Fax: +86 10 6598 9986



The Lineage 1000 is powered by two efficient, reliable and easy-to-maintain General Electric CF34-10E7-B engines, delivering 18,500 pounds of thrust each. The aircraft's maximum range, originally projected to be 4,200 nautical miles (7,778 km, or 4,833 miles) with eight passengers, and 4,350 nautical miles (8,056 km, or 5,005 miles) with four passengers, has been extended to 4,400 nautical miles (8,149 km, or 5,063 miles) with eight passengers, or 4,500 nautical miles (8,344 km, or 5,179 miles) with four passengers, both with NBAA IFR reserves and 200 nm alternate. The aircraft offers great airport performance and a maximum operating speed of Mach 0.82, and is capable of flying at an altitude of 41,000 feet (12,497 meters). These characteristics will allow customers to fly nonstop from London (UK) to New York (USA), or anywhere in Europe and the Middle East; from Moscow (Russia) to Tokyo (Japan), Quebec (Canada), or anywhere in the Middle East; from New York to Paris (France), Brasília (Brazil), or anywhere in North America; from Jeddah (Saudi Arabia) to Beijing (China), Bangkok (Thailand), or anywhere in Europe, Africa or the Middle East; from Dubai (United Arab Emirates) to Tokyo, Johannesburg (South Africa), Rabat (Morocco), or anywhere in Europe and the Middle East at a lower operating cost and in ultimate comfort.

Born for the demands of commercial aviation, the Lineage 1000 platform is based on the EMBRAER 190 and is designed for quick turnaround, top performance, high use, and low maintenance. The aircraft's reliability is proven by more than 2.2 million flight hours, and refined by the latest engineering.

The Lineage 1000 executive jet recently won the IDEA/Brasil design award, which is the Brazilian version of the IDEA/USA Awards – one of the most prestigious design prizes in the world.

Priced at US\$ 42.95 million, based on January 2006 economic conditions, in its baseline configuration for FAA certification, the Lineage 1000 jet is expected to enter service in the first semester of 2009.

### **Embraer Image Gallery**

Visit the Embraer Image Gallery at [www.embraer.com](http://www.embraer.com).



#### PRESS OFFICES

##### **Headquarters (Brazil)**

**Rosana Dias**  
[rosana.dias@embraer.com.br](mailto:rosana.dias@embraer.com.br)  
 Cell: +55 12 9724 4929  
 Tel.: +55 12 3927 1311  
 Fax: +55 12 3927 2411

##### **North America**

**Christine Manna**  
[cmanna@embraer.com](mailto:cmanna@embraer.com)  
 Cell: +1 954 383 9950  
 Tel.: +1 954 359 3879  
 Fax: +1 954 359 4755

##### **Europe, Middle East and Africa**

**Stéphane Guilbaud**  
[sqilbaud@embraer.fr](mailto:squilbaud@embraer.fr)  
 Cell: +33 6 7522 8519  
 Tel.: +33 1 4938 4455  
 Fax: +33 1 4938 4456

##### **China**

**Tracy Chen**  
[tracy.chen@bjs.embraer.com](mailto:tracy.chen@bjs.embraer.com)  
 Cell: +86 139 1018 2281  
 Tel.: +86 10 6598 9988  
 Fax: +86 10 6598 9986



### Note to Editors

Embraer (Empresa Brasileira de Aeronáutica S.A. - NYSE: ERJ; Bovespa: EMBR3) is the world's largest manufacturer of commercial jets up to 120 seats, and one of Brazil's leading exporters. Embraer's headquarters are located in São José dos Campos, São Paulo, and it has offices, industrial operations and customer service facilities in Brazil, the United States, France, Portugal, China and Singapore. Founded in 1969, the Company designs, develops, manufactures and sells aircraft for the Commercial Aviation, Executive Aviation, and Defense and Government segments. The Company also provides after sales support and services to customers worldwide. On September 30, 2008, Embraer had a workforce of 23,745 employees and a firm order backlog of US\$ 21.6 billion.

This document may contain projections, statements and estimates regarding circumstances or events yet to take place. Those projections and estimates are based largely on current expectations, forecasts on future events and financial tendencies that affect Embraer's businesses. Those estimates are subject to risks, uncertainties and suppositions that include, among others: general economic, political and trade conditions in Brazil and in those markets where Embraer does business; expectations on industry trends; the Company's investment plans; its capacity to develop and deliver products on the dates previously agreed upon, and existing and future governmental regulations. The words "believe", "may", "is able", "will be able", "intend", "continue", "anticipate", "expect" and other similar terms are supposed to identify potentialities. Embraer does not feel compelled to publish updates nor to revise any estimates due to new information, future events or any other facts. In view of the inherent risks and uncertainties, such estimates, events and circumstances may not take place. The actual results can therefore differ substantially from those previously published as Embraer expectations.

Praveen Rikhy □  
 MelCole Public Relations □  
 24, Feroze Gandhi Road, Lajpat Nagar III, □  
 New Delhi - 110024 INDIA □  
 Tel.: +91-11-29834428, 29833118 □  
 Fax: +91-11-29831976 □  
 Email: delhi@melcole.com

#### PRESS OFFICES

##### Headquarters (Brazil)

**Rosana Dias**  
[rosana.dias@embraer.com.br](mailto:rosana.dias@embraer.com.br)  
 Cell: +55 12 9724 4929  
 Tel.: +55 12 3927 1311  
 Fax: +55 12 3927 2411

##### North America

**Christine Manna**  
[cmanna@embraer.com](mailto:cmanna@embraer.com)  
 Cell: +1 954 383 9950  
 Tel.: +1 954 359 3879  
 Fax: +1 954 359 4755

##### Europe, Middle East and Africa

**Stéphane Guilbaud**  
[sguilbaud@embraer.fr](mailto:sguilbaud@embraer.fr)  
 Cell: +33 6 7522 8519  
 Tel.: +33 1 4938 4455  
 Fax: +33 1 4938 4456

##### China

**Tracy Chen**  
[tracy.chen@bjs.embraer.com](mailto:tracy.chen@bjs.embraer.com)  
 Cell: +86 139 1018 2281  
 Tel.: +86 10 6598 9988  
 Fax: +86 10 6598 9986